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@rushstack/eslint-patch

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Some files from the tests folder are from joyent/node and mscedex/io.js, a fork
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- tests/iojs/test-http-parser-durability.js

This file is from https://github.com/mscdex/io.js/blob/js-http-parser/test/pummel/test-http-parser-durability.js
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"""

- tests/fixtures/*
tests/parallel/*
tests/testpy/*
tests/common.js
tests/test.py
tests/utils.py

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1.6490 babel-jest/node_modules/color-name 1.1.4

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1.6491 jest-snapshot/node_modules/has-flag 4.0.0

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1.6492 fork-ts-checker-webpack-plugin/node_modules/fs-extra 9.1.0

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1.6493 @jest/console/node_modules/chalk 4.1.2

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TypeBox: JSON Schema Type Builder with Static Type Resolution for TypeScript

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// Modifications by Joshua Bell inexorabletash@gmail.com
// https://github.com/inexorabletash/polyfill

// ES3/ES5 implementation of the Krhonos Typed Array Specification
// Ref: http://www.khronos.org/registry/typedarray/specs/latest/
// Date: 2011-02-01
//
// Variations:
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wcwidth.js: JavaScript Portng of Markus Kuhn's wcwidth() Implementation
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spdx-license-ids

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Installation

[Download JSON directly](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/index.json), or [use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/about-npm/):

```
npm install spdx-license-ids
```

[Node.js](https://nodejs.org/) API

require('spdx-license-ids')

Type: `string[]`

All license IDs except for the currently deprecated ones.

```javascript
const ids = require('spdx-license-ids');
//=> ['0BSD', 'AAL', 'ADSL', 'AFL-1.1', 'AFL-1.2', 'AFL-2.0', 'AFL-2.1', 'AFL-3.0', 'AGPL-1.0-only', ...]

ids.includes('BSD-3-Clause'); //=> true
ids.includes('CC-BY-1.0'); //=>
 true

ids.includes('GPL-3.0'); //=> false
```

require('spdx-license-ids/deprecated')

Type: `string[]`

Deprecated license IDs.

```javascript
const deprecatedIds = require('spdx-license-ids/deprecated');
//=> ['AGPL-1.0', 'AGPL-3.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', 'GPL-2.0', ...]

deprecatedIds.includes('BSD-3-Clause'); //=> false
deprecatedIds.includes('CC-BY-1.0'); //=> false

deprecatedIds.includes('GPL-3.0'); //=> true
```

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validate-npm-package-license
==========

Give me a string and I'll tell you if it's a valid npm package license string.

```javascript
var valid = require('validate-npm-package-license');
```

SPDX license identifiers are valid license strings:

```javascript

var assert = require('assert');
```

```
var validSPDXExpression = {
 validForNewPackages: true,
 validForOldPackages: true,
 spdx: true
};

assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
```

The function will return a warning and suggestion for nearly-correct license identifiers:

```javascript
assert.deepEqual(
 valid('Apache 2.0'),
 {
   validForOldPackages: false,
   validForNewPackages: false,
   warnings: [
     'license should be ' +
     'a valid SPDX license expression (without "LicenseRef"), ' +
     '"UNLICENSED", or ' +
      '"SEE LICENSE IN <filename>"',
     'license is similar to the valid expression "Apache-2.0"'
   ]
 }
);
```

SPDX expressions are valid, too ...

```javascript
// Simple SPDX license expression for dual licensing
assert.deepEqual(
 valid('(GPL-3.0-only OR BSD-2-Clause)'),
 validSPDXExpression
);
```

... except if they contain `LicenseRef`:

```javascript
var warningAboutLicenseRef = {
 validForOldPackages: false,
 validForNewPackages: false,
 spdx: true,
 warnings: [
```

```
  'license should be ' +
  'a valid SPDX license expression (without "LicenseRef"), ' +
  '"UNLICENSED", or ' +
  '"SEE LICENSE IN <filename>"',
 ]
};

assert.deepEqual(
 valid('LicenseRef-Made-Up'),
 warningAboutLicenseRef
);

assert.deepEqual(
 valid('(MIT OR LicenseRef-Made-Up)'),
 warningAboutLicenseRef
);
```

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 valid('SEE
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 {
  validForNewPackages: true,
  validForOldPackages: true,
  inFile: 'LICENSE.txt'
 }
);

assert.deepEqual(
 valid('SEE LICENSE IN license.md'),
 {
  validForNewPackages: true,
  validForOldPackages: true,
  inFile: 'license.md'
 }
);
```

If there aren't any licensing terms, use `UNLICENSED`:

```javascript
var unlicensed = {
 validForNewPackages: true,
 validForOldPackages: true,
```

```
 unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
```

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 "AGPL-3.0",
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 "GFDL-1.2",
 "GFDL-1.3",
 "GPL-1.0",
 "GPL-2.0",
 "GPL-2.0-with-GCC-exception",
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1.6494 react-dev-utils/node_modules/escape-string-regexp 4.0.0

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1.6495 jest-matcher-utils/node_modules/supports-color 7.2.0

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1.6496 eslint-webpack-plugin/node_modules/json-schema-traverse 1.0.0

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1.6497 @istanbuljs/load-nyc-config/node_modules/find-up 4.1.0

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1.6498 webpack-dev-server/node_modules/schema-utils 4.0.0

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}
{
 "foo": "dynamic"
}
```

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1.6499 rollup-plugin-terser/node_modules/jest-worker 26.6.2

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1.6500 svgr-plugin-svgo 5.5.0

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1.6501 fork-ts-checker-webpack-plugin/node_modules/tapable 1.1.3

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1.6502 jest-watch-typeahead/node_modules/jest-watcher/node_modules/strip-ansi 6.0.1

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1.6503 @istanbuljs/load-nyc-config/node_modules/camelcase 5.3.1

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1.6504 webpack-manifest-plugin/node_modules/webpack-sources 2.3.1

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}
{
 "foo": "dynamic"
}
```

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1.6505 @jest/types/node_modules/color-convert 2.0.1

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1.6506 jest-watch-typeahead/node_modules/color-convert 2.0.1

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1.6507 svgo/node_modules/domutils 1.7.0

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1.6508 clean-css/node_modules/source-map 0.6.1

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1.6509 serve-index/node_modules/http-errors 1.6.3

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1.6510 eslint-plugin-react/node_modules/semver 6.3.1

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1.6511 jest-resolve/node_modules/color-name 1.1.4

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1.6512 tsutils/node_modules/tslib 1.14.1

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1.6513 jest-snapshot/node_modules/supports-color 7.2.0

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1.6516 eslint-import-resolver-node/node_modules/debug 3.2.7

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1.6517 jest-watch-typeahead/node_modules/@jest/console 28.1.3

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1.6518 eslint-plugin-jsx-a11y/node_modules/semver 6.3.1

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1.6519 @jest/transform/node_modules/has-flag 4.0.0

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1.6520 resolve-url-loader/node_modules/source-map 0.6.1

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1.6521 svgr-babel-plugin-svg-dynamic-title 5.4.0

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1.6522 pretty-format/node_modules/ansi-styles 5.2.0

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1.6523 react-dev-utils/node_modules/chalk 4.1.2

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1.6524 eslint/node_modules/globals 13.17.0

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1.6525 mini-css-extract-plugin/node_modules/schema-utils 4.0.0

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1.6526 @jest/types/node_modules/supports-color 7.2.0

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1.6527 @jest/transform/node_modules/color-name 1.1.4

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1.6528 workbox-build/node_modules/source-map 0.8.0-beta.0

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1.6529 @istanbuljs/load-nyc-config/node_modules/p-limit 2.3.0

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1.6530 fork-ts-checker-webpack-plugin/node_modules/supports-color 7.2.0

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1.6531 eslint-module-utils/node_modules/debug 3.2.7

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1.6532 body-parser/node_modules/bytes 3.1.2

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1.6533 jest-watch-typeahead/node_modules/strip-ansi/node_modules/ansi-regex 6.0.1

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1.6534 babel-jest/node_modules/supports-color 7.2.0

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1.6535 @jest/types/node_modules/chalk 4.1.2

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1.6536 jest-message-util/node_modules/chalk 4.1.2

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1.6537 jest-jasmine2/node_modules/color-convert 2.0.1

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1.6538 cssstyle/node_modules/cssom 0.3.8

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1.6539 @babel/helper-define-polyfill-provider/node_modules/semver 6.3.1

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1.6540 @jest/types/node_modules/color-name 1.1.4

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1.6541 body-parser/node_modules/iconv-lite 0.4.24

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1.6542 workbox-build/node_modules/ajv 8.11.0

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1.6543 eslint/node_modules/color-name 1.1.4

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            "type": "structure",
            "members": {
              "ResourceArn": {},
              "ResourceType": {},
              "ErrorMessage": {},
              "FailureTime": {
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              },
              "OperationName": {},
              "ResourceOwnerId": {},
              "OperationRequestedBy": {},
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                "shape": "Sd"
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        "NextToken":
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      }
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      "members": {
        "LicenseConfigurationArns": {
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      "MaxResults": {
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      "Filters": {
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            "LicenseRules": {
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            "LicenseCountHardLimit":
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            "DisassociateWhenNotFound": {
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            "ConsumedLicenses": {
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            "Status": {},
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            "ConsumedLicenseSummaryList": {
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            "ManagedResourceSummaryList": {
              "shape": "S31"
            },
            "ProductInformationList": {
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            "AutomatedDiscoveryInformation": {
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            }
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            "DestinationLicenseContext": {
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            "LicenseConversionTime": {
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    }
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    "members": {
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        "member": {
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      "NextToken": {}
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"ListLicenseSpecificationsForResource": {
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    ],
    "members": {
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      "MaxResults": {
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      "NextToken": {}
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  "input": {
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    }
  },
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      },
      "NextToken": {}
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  "input": {
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        "shape": "S1w"
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      "Filters": {
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      },
      "NextToken": {},
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    "members": {
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    "shape": "S4j"
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  "input": {
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    "members": {
      "GrantArns": {
        "shape": "S1w"
      },
      "Filters": {
        "shape": "S3p"
      },
      "NextToken": {},
      "MaxResults": {
        "type": "integer"
      }
    }
  },
  "output": {
    "type": "structure",
    "members": {
      "Grants": {
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      "NextToken": {}
    }
  }
},
"ListReceivedGrantsForOrganization": {
  "input": {
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    "output": {
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        "Licenses": {
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      "members": {
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        "NextToken": {},
        "Filters": {
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          "member": {
            "type": "structure",
            "required": [
              "Name",
              "Condition"
            ],
            "members": {
              "Name": {},
              "Condition": {},
              "Value": {}
            }
          }
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      }
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          "member": {
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              "ResourceArn": {},
              "Platform": {},
              "PlatformVersion": {},
              "ResourceOwningAccountId": {}
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        "NextToken": {}
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  "ListTagsForResource": {
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      "members": {
        "ResourceArn": {}
      }
    },
    "output": {
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      },
      "NextToken": {},
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              "shape": "S1w"
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            "Status": {}
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      "NextToken": {}
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"ListUsageForLicenseConfiguration": {
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    "members": {
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      "MaxResults": {
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            "members": {
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              "ResourceType": {},
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              "ResourceOwnerId": {},
              "AssociationTime": {
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              },
              "ConsumedLicenses": {
                "type": "long"
              }
            }
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        "NextToken": {}
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    }
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  "RejectGrant": {
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      "members": {
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    },
    "output": {
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      "members": {
        "GrantArn": {},
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      "Tags": {
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      }
    }
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      "TagKeys"
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      "TagKeys": {
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        "member": {}
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    }
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"ReportContext",
"ReportFrequency",
"ClientToken"
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"ReportContext":

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},
"ReportFrequency": {
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"ClientToken": {},
"Description": {}
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        "Name": {},
        "Value": {},
        "Unit": {}
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    }
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        "Value": {}
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      "End": {}
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        "Unit"
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"S1f": {
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            "ProductInformationFilterComparator": {}
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  "required": [
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  "members": {
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    }
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"S25": {
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"S2r": {
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    "GrantName",
    "ParentArn",
    "LicenseArn",
    "GranteePrincipalArn",
    "HomeRegion",
    "GrantStatus",
    "Version",
    "GrantedOperations"
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    "ParentArn": {},
    "LicenseArn": {},
    "GranteePrincipalArn": {},
    "HomeRegion": {},
    "GrantStatus": {},
    "StatusReason": {},
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      "Entitlements": {
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      "ConsumptionConfiguration": {
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      "LicenseMetadata": {
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    "ReportContext": {
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    },
    "ReportFrequency": {
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    "LastReportGenerationTime": {},
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  "members": {
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 "S3p": {
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  "member": {
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  }
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  "member": {
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"S42": {
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        "shape": "Sd"
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      "Version": {},
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        "members": {
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          "ReceivedStatusReason": {},
          "AllowedOperations": {
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```
          }
         }
        }
       }
     }
   }
 }
}
```

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By: Elan Shanker
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Repository: sindresorhus/binary-extensions

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braces
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Repository: jonschlinkert/fill-range

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hash.js
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By: Fedor Indutny
Repository: git@github.com:indutny/hash.js

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magic-string
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By: Ben Coe

Repository: https://github.com/tapjs/signal-exit.git

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By: Rich Harris
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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
created specifically to own Python-related Intellectual Property.
Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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node-http-proxy

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// ES3/ES5 implementation of the Krhonos Typed Array Specification
// Ref: http://www.khronos.org/registry/typedarray/specs/latest/
// Date: 2011-02-01
//
// Variations:
// * Allows typed_array.get/set() as alias for subscripts (typed_array[])
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        "HomeRegions": {
          "shape": "S3"
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      }
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  }
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{
 "version": "2.0",
 "metadata": {
   "apiVersion": "2018-05-10",
   "endpointPrefix": "license-manager-user-subscriptions",
   "jsonVersion": "1.1",
   "protocol": "rest-json",
   "serviceFullName": "AWS License Manager User Subscriptions",
   "serviceId": "License Manager User Subscriptions",
   "signatureVersion": "v4",
   "signingName": "license-manager-user-subscriptions",
   "uid": "license-manager-user-subscriptions-2018-05-10"
 },
 "operations": {
   "AssociateUser": {
     "http": {
       "requestUri": "/user/AssociateUser",
       "responseCode": 200
     },
     "input": {
       "type": "structure",
```

```
      "required": [
        "IdentityProvider",
        "InstanceId",
        "Username"
      ],
      "members": {
        "Domain": {},
        "IdentityProvider": {
          "shape": "S3"
        },
        "InstanceId": {},
        "Username": {}
      }
    },
    "output": {
      "type": "structure",
      "required":
[
        "InstanceUserSummary"
      ],
      "members": {
        "InstanceUserSummary": {
          "shape": "S6"
        }
      }
    },
    "idempotent": true
  },
  "DeregisterIdentityProvider": {
    "http": {
      "requestUri": "/identity-provider/DeregisterIdentityProvider",
      "responseCode": 200
    },
    "input": {
      "type": "structure",
      "required": [
        "IdentityProvider",
        "Product"
      ],
      "members": {
        "IdentityProvider": {
          "shape": "S3"
        },
        "Product": {}
      }
    },
    "output": {
      "type": "structure",
```

```
    "required": [
      "IdentityProviderSummary"
    ],
    "members": {
      "IdentityProviderSummary": {
        "shape": "S9"
      }
    }
  },
  "idempotent": true
},
"DisassociateUser": {
  "http": {
    "requestUri": "/user/DisassociateUser",
    "responseCode": 200
   },
  "input": {
    "type": "structure",
    "required": [
      "IdentityProvider",
      "InstanceId",
      "Username"
    ],
    "members": {
      "Domain": {},
      "IdentityProvider": {
        "shape": "S3"
      },
      "InstanceId": {},
      "Username": {}
    }
  },
  "output": {
    "type": "structure",
    "required": [
      "InstanceUserSummary"
    ],
    "members": {
      "InstanceUserSummary": {
        "shape": "S6"
      }
    }
  },
  "idempotent": true
},
"ListIdentityProviders": {
  "http": {
    "requestUri": "/identity-provider/ListIdentityProviders",
```

```
      "responseCode": 200
    },
    "input": {
      "type": "structure",
      "members": {
        "MaxResults": {
          "type": "integer"
        },
        "NextToken": {}
      }
    },
    "output": {
      "type": "structure",
      "required":
[
        "IdentityProviderSummaries"
      ],
      "members": {
        "IdentityProviderSummaries": {
          "type": "list",
          "member": {
            "shape": "S9"
          }
        },
        "NextToken": {}
      }
    }
  },
  "ListInstances": {
    "http": {
      "requestUri": "/instance/ListInstances",
      "responseCode": 200
    },
    "input": {
      "type": "structure",
      "members": {
        "Filters": {
          "shape": "Sl"
        },
        "MaxResults": {
          "type": "integer"
        },
        "NextToken": {}
      }
    },
    "output": {
      "type": "structure",
      "members": {
```

```
      "InstanceSummaries": {
        "type": "list",
        "member": {
          "type": "structure",
          "required": [
            "InstanceId",
            "Products",
            "Status"
          ],
          "members": {

  "InstanceId": {},
            "LastStatusCheckDate": {},
            "Products": {
              "type": "list",
              "member": {}
            },
            "Status": {},
            "StatusMessage": {}
          }
        }
      },
      "NextToken": {}
    }
  }
},
"ListProductSubscriptions": {
  "http": {
    "requestUri": "/user/ListProductSubscriptions",
    "responseCode": 200
  },
  "input": {
    "type": "structure",
    "required": [
      "IdentityProvider",
      "Product"
    ],
    "members": {
      "Filters": {
        "shape": "Sl"
      },
      "IdentityProvider": {
        "shape": "S3"
      },
      "MaxResults": {
        "type": "integer"
      },
      "NextToken": {},
```

```
      "Product": {}
    }
  },
  "output": {
    "type": "structure",
    "members": {
      "NextToken": {},
       "ProductUserSummaries": {
        "type": "list",
        "member": {
          "shape": "Su"
        }
      }
    }
  }
},
"ListUserAssociations": {
  "http": {
    "requestUri": "/user/ListUserAssociations",
    "responseCode": 200
  },
  "input": {
    "type": "structure",
    "required": [
      "IdentityProvider",
      "InstanceId"
    ],
    "members": {
      "Filters": {
        "shape": "Sl"
      },
      "IdentityProvider": {
        "shape": "S3"
      },
      "InstanceId": {},
      "MaxResults": {
        "type": "integer"
      },
      "NextToken": {}
    }
  },
  "output": {
    "type": "structure",
    "members": {
      "InstanceUserSummaries": {
        "type": "list",
        "member": {
          "shape": "S6"
```

```
        }
      },
      "NextToken": {}
    }
  }
},
"RegisterIdentityProvider":
{
  "http": {
    "requestUri": "/identity-provider/RegisterIdentityProvider",
    "responseCode": 200
  },
  "input": {
    "type": "structure",
    "required": [
      "IdentityProvider",
      "Product"
    ],
    "members": {
      "IdentityProvider": {
        "shape": "S3"
      },
      "Product": {},
      "Settings": {
        "shape": "Sa"
      }
    }
  },
  "output": {
    "type": "structure",
    "required": [
      "IdentityProviderSummary"
    ],
    "members": {
      "IdentityProviderSummary": {
        "shape": "S9"
      }
    }
  },
  "idempotent": true
},
"StartProductSubscription": {
  "http": {
    "requestUri": "/user/StartProductSubscription",
    "responseCode": 200
  },
  "input": {
    "type": "structure",
```

```
      "required": [
        "IdentityProvider",
        "Product",
         "Username"
      ],
      "members": {
        "Domain": {},
        "IdentityProvider": {
          "shape": "S3"
        },
        "Product": {},
        "Username": {}
      }
    },
    "output": {
      "type": "structure",
      "required": [
        "ProductUserSummary"
      ],
      "members": {
        "ProductUserSummary": {
          "shape": "Su"
        }
      }
    }
  },
  "StopProductSubscription": {
    "http": {
      "requestUri": "/user/StopProductSubscription",
      "responseCode": 200
    },
    "input": {
      "type": "structure",
      "required": [
        "IdentityProvider",
        "Product",
        "Username"
      ],
      "members": {
        "Domain": {},
        "IdentityProvider": {
          "shape": "S3"
        },
        "Product": {},
        "Username": {}
      }
    },
    "output": {
```

```
    "type": "structure",
    "required": [

  "ProductUserSummary"
    ],
    "members": {
      "ProductUserSummary": {
        "shape": "Su"
      }
    }
  }
},
"UpdateIdentityProviderSettings": {
  "http": {
    "requestUri": "/identity-provider/UpdateIdentityProviderSettings",
    "responseCode": 200
  },
  "input": {
    "type": "structure",
    "required": [
      "IdentityProvider",
      "Product",
      "UpdateSettings"
    ],
    "members": {
      "IdentityProvider": {
        "shape": "S3"
      },
      "Product": {},
      "UpdateSettings": {
        "type": "structure",
        "required": [
          "AddSubnets",
          "RemoveSubnets"
        ],
        "members": {
          "AddSubnets": {
            "shape": "S16"
          },
          "RemoveSubnets": {
            "shape": "S16"
          },
          "SecurityGroupId": {}
        }

}
    }
  },
```

```
    "output": {
      "type": "structure",
      "required": [
        "IdentityProviderSummary"
      ],
      "members": {
        "IdentityProviderSummary": {
          "shape": "S9"
        }
      }
    },
    "idempotent": true
  }
},
"shapes": {
  "S3": {
    "type": "structure",
    "members": {
      "ActiveDirectoryIdentityProvider": {
        "type": "structure",
        "members": {
          "DirectoryId": {}
        }
      }
    },
    "union": true
  },
  "S6": {
    "type": "structure",
    "required": [
      "IdentityProvider",
      "InstanceId",
      "Status",
      "Username"
    ],
    "members": {
      "AssociationDate": {},
      "DisassociationDate": {},
      "Domain": {},
      "IdentityProvider": {
        "shape": "S3"
      },
      "InstanceId": {},
      "Status": {},
      "StatusMessage": {},
      "Username": {}
    }
  },
```

```
  "S9":
 {
    "type": "structure",
    "required": [
      "IdentityProvider",
      "Product",
      "Settings",
      "Status"
    ],
    "members": {
      "FailureMessage": {},
      "IdentityProvider": {
        "shape": "S3"
      },
      "Product": {},
      "Settings": {
        "shape": "Sa"
      },
      "Status": {}
    }
  },
  "Sa": {
    "type": "structure",
    "required": [
      "SecurityGroupId",
      "Subnets"
    ],
    "members": {
      "SecurityGroupId": {},
      "Subnets": {
        "type": "list",
        "member": {}
      }
    }
  },
  "Sl": {
    "type": "list",
    "member": {
      "type": "structure",
      "members": {
        "Attribute": {},
        "Operation": {},
        "Value": {}
      }
    }
  },
  "Su": {
    "type": "structure",
```

"required": [
"IdentityProvider",
"Product",
"Status",
"Username"
],
"members":
{
"Domain": {},
"IdentityProvider": {
"shape": "S3"
},
"Product": {},
"Status": {},
"StatusMessage": {},
"SubscriptionEndDate": {},
"SubscriptionStartDate": {},
"Username": {}
}
},
"S16": {
"type": "list",
"member": {}
}
}
}

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- tests/iojs/test-http-parser-durability.js

This file is from https://github.com/mscdex/io.js/blob/js-http-parser/test/pummel/test-http-parser-durability.js
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"""

- tests/fixtures/*
tests/parallel/*
tests/testpy/*
tests/common.js
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- James George
- Jordy D'Hoker
- Xiaojun Zhou
- Seth Falco
- Seiya

1.6545 chokidar/node_modules/glob-parent 5.1.2

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1.6546 jest-watcher/node_modules/chalk 4.1.2

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1.6547 webpack-dev-middleware/node_modules/ajv 8.11.0

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```
{
 "foo": "static"
}
{
 "foo": "dynamic"
```

}
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1.6548 jest-message-util/node_modules/supports-color 7.2.0

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1.6549 webpack/node_modules/estraverse 4.3.0

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```
{
 "foo": "static"
}
{
 "foo": "dynamic"
}
```

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1.6551 jest-matcher-utils/node_modules/ansi-styles 4.3.0

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1.6553 jest-runtime/node_modules/has-flag 4.0.0

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1.6555 pkg-up/node_modules/p-locate 3.0.0

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1.6556 tailwindcss/node_modules/color-name 1.1.4

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1.6558 @jest/types/node_modules/ansi-styles 4.3.0

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1.6561 @jest/reporters/node_modules/ansi-styles 4.3.0

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1.6563 tempy/node_modules/type-fest 0.16.0

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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
created specifically to own Python-related Intellectual Property.
Zope Corporation was a sponsoring member of the PSF.

All
Python releases are Open Source (see http://www.opensource.org for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no

2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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node-http-proxy

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Some files from the tests folder are from joyent/node and mscedex/io.js, a fork
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- tests/iojs/test-http-parser-durability.js

This file is from https://github.com/mscdex/io.js/blob/js-http-parser/test/pummel/test-http-parser-durability.js
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"""

- tests/fixtures/*
tests/parallel/*
tests/testpy/*
tests/common.js
tests/test.py
tests/utils.py

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1.6565 jest-cli/node_modules/chalk 4.1.2

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1.6566 babel-jest/node_modules/color-convert 2.0.1

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1.6567 serve-index/node_modules/statuses 1.5.0

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1.6568 domexception/node_modules/webidl-conversions 5.0.0

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Repository: git://github.com/paulmillr/readdirp.git

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By: Ben Coe
Repository: https://github.com/tapjs/signal-exit.git

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sourcemap-codec
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By: Rich Harris
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A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting

Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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Thanks to the many outside volunteers who have worked under Guido's
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node-http-proxy

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@rushstack/eslint-patch

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- tests/iojs/test-http-parser-durability.js

This file is from https://github.com/mscdex/io.js/blob/js-http-parser/test/pummel/test-http-parser-durability.js
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"""

- tests/fixtures/*
tests/parallel/*
tests/testpy/*
tests/common.js
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1.6569 @svgr/webpack 5.5.0

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1.6570 jest-each/node_modules/ansi-styles 4.3.0

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1.6571 jest-watch-typeahead/node_modules/ansi-styles 4.3.0

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1.6572 pkg-up/node_modules/p-limit 2.3.0

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1.6573 raw-body/node_modules/iconv-lite 0.4.24

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1.6574 jest-config/node_modules/ansi-styles 4.3.0

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1.6575 serve-index/node_modules/setprototypeof 1.1.0

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1.6576 css-minimizer-webpack-plugin/node_modules/source-map 0.6.1

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1.6577 eslint-plugin-react/node_modules/doctrine 2.1.0

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1.6578 jest-runtime/node_modules/supports-color 7.2.0

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1.6579 resolve-url-loader/node_modules/postcss 7.0.39

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1.6580 @jest/console/node_modules/has-flag 4.0.0

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1.6582 hpack.js/node_modules/readable-stream 2.3.7

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1.6583 jest-diff/node_modules/has-flag 4.0.0

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1.6584 jest-config/node_modules/color-convert 2.0.1

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1.6585 detect-port-alt/node_modules/ms 2.0.0

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1.6586 @jest/console/node_modules/color-convert 2.0.1

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1.6587 raw-body/node_modules/bytes 3.1.2

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1.6588 @nicolo-ribaudo/eslint-scope-5-internals/node_modules/eslint-scope 5.1.1

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1.6589 workbox-webpack-plugin/node_modules/webpack-sources 1.4.3

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1.6590 fork-ts-checker-webpack-plugin/node_modules/has-flag 4.0.0

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1.6591 make-dir/node_modules/semver 6.3.1

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1.6592 protocompile 0.10.0

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1.6593 mapstructure 2.0.0

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1.6594 go-compute-metadata 0.5.0

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package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
 "google.golang.org/api/iterator"
```

```
)

func ExampleNewLicensesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will
 require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicensesClient_Delete() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.DeleteLicenseRequest{
  //
 TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
 }
 op, err := c.Delete(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}
```

```
func ExampleLicensesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
 }
 resp,
 err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetIamPolicyLicenseRequest.
 }
 resp, err := c.GetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
```

```
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_Insert()
 {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.InsertLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
 }
 op, err := c.Insert(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_List() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template
 only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.ListLicensesRequest{
```

```
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
 }
 it := c.List(ctx, req)
 for {
  resp, err := it.Next()
  if err == iterator.Done {
   break
  }
  if err != nil {
   // TODO: Handle error.
  }
  // TODO: Use resp.
  _ = resp

  // If you need to access the underlying RPC response,
  // you can do so by casting the `Response` as below.
  // Otherwise, remove this line. Only populated after
  // first call to Next(). Not safe for concurrent access.
  _ = it.Response.(*computepb.LicensesListResponse)
 }
}

func
 ExampleLicensesClient_SetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.SetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
 }
 resp, err := c.SetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
```

```
func ExampleLicensesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically
 generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
 }
 resp, err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
```

```
 computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleNewLicenseCodesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 //
 - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicenseCodesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseCodeRequest{
  // TODO: Fill request
 struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
 }
 resp, err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
```

```
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicenseCodesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.TestIamPermissionsLicenseCodeRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
}
resp,
err := c.TestIamPermissions(ctx, req)
if err != nil {
 // TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}
```

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```
// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
//  protoc-gen-go v1.34.2
//  protoc        v4.25.3
// source: google/ai/generativelanguage/v1beta/permission.proto

package generativelanguagepb

import (
 reflect "reflect"
 sync "sync"
```

```
 _ "google.golang.org/genproto/googleapis/api/annotations"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
)

const
 (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Defines types of the grantee of this permission.
type Permission_GranteeType int32

const (
 // The default value. This value is unused.
 Permission_GRANTEE_TYPE_UNSPECIFIED Permission_GranteeType = 0
 // Represents a user. When set, you must provide email_address for the user.
 Permission_USER Permission_GranteeType = 1
 // Represents a group. When set, you must provide email_address for the
 // group.
 Permission_GROUP Permission_GranteeType = 2
 // Represents access to everyone. No extra information is required.
 Permission_EVERYONE Permission_GranteeType = 3
)

// Enum value maps for Permission_GranteeType.
var (
 Permission_GranteeType_name = map[int32]string{
  0: "GRANTEE_TYPE_UNSPECIFIED",
  1: "USER",
  2:
 "GROUP",
  3: "EVERYONE",
 }
 Permission_GranteeType_value = map[string]int32{
  "GRANTEE_TYPE_UNSPECIFIED": 0,
  "USER":                     1,
  "GROUP":                    2,
  "EVERYONE":                 3,
 }
)

func (x Permission_GranteeType) Enum() *Permission_GranteeType {
 p := new(Permission_GranteeType)
 *p = x
```

```
 return p
}

func (x Permission_GranteeType) String() string {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_GranteeType) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0].Descriptor()
}

func (Permission_GranteeType) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0]
}

func (x Permission_GranteeType) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_GranteeType.Descriptor instead.
func (Permission_GranteeType) EnumDescriptor() ([]byte,
 []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 0}
}

// Defines the role granted by this permission.
type Permission_Role int32

const (
 // The default value. This value is unused.
 Permission_ROLE_UNSPECIFIED Permission_Role = 0
 // Owner can use, update, share and delete the resource.
 Permission_OWNER Permission_Role = 1
 // Writer can use, update and share the resource.
 Permission_WRITER Permission_Role = 2
 // Reader can use the resource.
 Permission_READER Permission_Role = 3
)

// Enum value maps for Permission_Role.
var (
 Permission_Role_name = map[int32]string{
  0: "ROLE_UNSPECIFIED",
  1: "OWNER",
  2: "WRITER",
  3: "READER",
 }
 Permission_Role_value = map[string]int32{
```

```
  "ROLE_UNSPECIFIED": 0,
  "OWNER":            1,
  "WRITER":           2,
  "READER":           3,
 }
)

func (x Permission_Role) Enum() *Permission_Role {
 p := new(Permission_Role)
 *p = x
 return p
}

func (x Permission_Role) String() string {
 return
 protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_Role) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1].Descriptor()
}

func (Permission_Role) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1]
}

func (x Permission_Role) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_Role.Descriptor instead.
func (Permission_Role) EnumDescriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 1}
}

// Permission resource grants user, group or the rest of the world access to the
// PaLM API resource (e.g. a tuned model, corpus).
//
// A role is a collection of permitted operations that allows users to perform
// specific actions on PaLM API resources. To make them available to users,
// groups, or service accounts,
 you assign roles. When you assign a role, you
// grant permissions that the role contains.
//
// There are three concentric roles. Each role is a superset of the previous
// role's permitted operations:
//
// - reader can use the resource (e.g. tuned model, corpus) for inference
```

```
// - writer has reader's permissions and additionally can edit and share
// - owner has writer's permissions and additionally can delete
type Permission struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Output only. Identifier. The permission name. A unique name will be
 // generated on create. Examples:
 //
 // tunedModels/{tuned_model}/permissions/{permission}
 // corpora/{corpus}/permissions/{permission}
 //
 // Output only.
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Optional. Immutable. The type of the grantee.
 GranteeType *Permission_GranteeType
`protobuf:"varint,2,opt,name=grantee_type,json=granteeType,proto3,enum=google.ai.generativelanguage.v1beta.Pe
rmission_GranteeType,oneof"
 json:"grantee_type,omitempty"`
 // Optional. Immutable. The email address of the user of group which this
 // permission refers. Field is not set when permission's grantee type is
 // EVERYONE.
 EmailAddress *string `protobuf:"bytes,3,opt,name=email_address,json=emailAddress,proto3,oneof"
json:"email_address,omitempty"`
 // Required. The role granted by this permission.
 Role *Permission_Role
`protobuf:"varint,4,opt,name=role,proto3,enum=google.ai.generativelanguage.v1beta.Permission_Role,oneof"
json:"role,omitempty"`
}

func (x *Permission) Reset() {
 *x = Permission{}
 if protoimpl.UnsafeEnabled {
  mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  ms.StoreMessageInfo(mi)
 }
}

func (x *Permission) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*Permission) ProtoMessage() {}

func (x *Permission)
```

```
 ProtoReflect() protoreflect.Message {
 mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
 if protoimpl.UnsafeEnabled && x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use Permission.ProtoReflect.Descriptor instead.
func (*Permission) Descriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0}
}

func (x *Permission) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *Permission) GetGranteeType() Permission_GranteeType {
 if x != nil && x.GranteeType != nil {
  return *x.GranteeType
 }
 return Permission_GRANTEE_TYPE_UNSPECIFIED
}

func (x *Permission) GetEmailAddress() string {
 if x != nil && x.EmailAddress != nil {
  return *x.EmailAddress
 }
 return ""
}

func (x *Permission) GetRole() Permission_Role {
 if x != nil && x.Role
 != nil {
  return *x.Role
 }
 return Permission_ROLE_UNSPECIFIED
}

var File_google_ai_generativelanguage_v1beta_permission_proto protoreflect.FileDescriptor
```

```
var file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = []byte{
 0x0a, 0x34, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x23, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x1a, 0x1f, 0x67, 0x6f, 0x6f,
 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x62, 0x65,
 0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a,
 0x19, 0x67, 0x6f,
 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75, 0x72, 0x63,
 0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0x85, 0x05, 0x0a, 0x0a, 0x50, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x1a, 0x0a, 0x04, 0x6e, 0x61, 0x6d, 0x65, 0x18, 0x01,
 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x03, 0xe0, 0x41, 0x08, 0x52, 0x04, 0x6e, 0x61,
 0x6d, 0x65, 0x12, 0x6b, 0x0a, 0x0c, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f, 0x74, 0x79,
 0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0e, 0x32, 0x3b, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c,
 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65,
 0x65, 0x54, 0x79, 0x70, 0x65, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x00, 0x52,
 0x0b, 0x67,
 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x88, 0x01, 0x01, 0x12,
 0x30, 0x0a, 0x0d, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73,
 0x18, 0x03, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x01,
 0x52, 0x0c, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x41, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73, 0x88, 0x01,
 0x01, 0x12, 0x52, 0x0a, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x18, 0x04, 0x20, 0x01, 0x28, 0x0e, 0x32,
 0x34, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x52, 0x6f, 0x6c, 0x65, 0x42, 0x03, 0xe0, 0x41, 0x02, 0x48, 0x02, 0x52, 0x04, 0x72, 0x6f,
 0x6c, 0x65, 0x88, 0x01, 0x01, 0x22, 0x4e, 0x0a, 0x0b, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65,
 0x54, 0x79, 0x70, 0x65, 0x12, 0x1c, 0x0a,
 0x18, 0x47, 0x52, 0x41, 0x4e, 0x54, 0x45, 0x45, 0x5f,
 0x54, 0x59, 0x50, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45, 0x44,
 0x10, 0x00, 0x12, 0x08, 0x0a, 0x04, 0x55, 0x53, 0x45, 0x52, 0x10, 0x01, 0x12, 0x09, 0x0a, 0x05,
 0x47, 0x52, 0x4f, 0x55, 0x50, 0x10, 0x02, 0x12, 0x0c, 0x0a, 0x08, 0x45, 0x56, 0x45, 0x52, 0x59,
 0x4f, 0x4e, 0x45, 0x10, 0x03, 0x22, 0x3f, 0x0a, 0x04, 0x52, 0x6f, 0x6c, 0x65, 0x12, 0x14, 0x0a,
 0x10, 0x52, 0x4f, 0x4c, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45,
 0x44, 0x10, 0x00, 0x12, 0x09, 0x0a, 0x05, 0x4f, 0x57, 0x4e, 0x45, 0x52, 0x10, 0x01, 0x12, 0x0a,
 0x0a, 0x06, 0x57, 0x52, 0x49, 0x54, 0x45, 0x52, 0x10, 0x02, 0x12, 0x0a, 0x0a, 0x06, 0x52, 0x45,
 0x41, 0x44, 0x45, 0x52, 0x10, 0x03, 0x3a, 0xaa, 0x01, 0xea, 0x41, 0xa6, 0x01, 0x0a, 0x2c, 0x67,
 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67,
 0x65, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73,
 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x32, 0x74, 0x75, 0x6e,
 0x65, 0x64, 0x4d, 0x6f, 0x64, 0x65, 0x6c, 0x73, 0x2f, 0x7b, 0x74, 0x75, 0x6e, 0x65, 0x64, 0x5f,
 0x6d, 0x6f, 0x64, 0x65, 0x6c, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f,
 0x6e, 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x12,
```

```
 0x29, 0x63, 0x6f, 0x72, 0x70, 0x6f, 0x72, 0x61, 0x2f, 0x7b, 0x63, 0x6f, 0x72, 0x70, 0x75, 0x73,
 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x2f, 0x7b, 0x70,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x2a, 0x0b, 0x70, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x32, 0x0a, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73,
 0x69, 0x6f, 0x6e, 0x42, 0x0f, 0x0a, 0x0d, 0x5f, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f,
 0x74, 0x79, 0x70, 0x65, 0x42, 0x10, 0x0a, 0x0e, 0x5f, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61,
 0x64,
 0x64, 0x72, 0x65, 0x73, 0x73, 0x42, 0x07, 0x0a, 0x05, 0x5f, 0x72, 0x6f, 0x6c, 0x65, 0x42,
 0x9b, 0x01, 0x0a, 0x27, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x42, 0x0f, 0x50, 0x65, 0x72,
 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x50, 0x01, 0x5a, 0x5d,
 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x67, 0x6f, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76,
 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x76, 0x31, 0x62,
 0x65, 0x74, 0x61, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61,
 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x3b, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74,
 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e,
 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x62, 0x06, 0x70,
 0x72, 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce sync.Once
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc
)

func file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP() []byte {
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce.Do(func() {
  file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData)
 })
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData
}

var file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes = make([]protoimpl.EnumInfo, 2)
var file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes = make([]protoimpl.MessageInfo, 1)
var file_google_ai_generativelanguage_v1beta_permission_proto_goTypes
 = []any{
 (Permission_GranteeType)(0), // 0: google.ai.generativelanguage.v1beta.Permission.GranteeType
 (Permission_Role)(0),        // 1: google.ai.generativelanguage.v1beta.Permission.Role
 (*Permission)(nil),          // 2: google.ai.generativelanguage.v1beta.Permission
}
var file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = []int32{
 0, // 0: google.ai.generativelanguage.v1beta.Permission.grantee_type:type_name ->
google.ai.generativelanguage.v1beta.Permission.GranteeType
 1, // 1: google.ai.generativelanguage.v1beta.Permission.role:type_name ->
```

```
google.ai.generativelanguage.v1beta.Permission.Role
 2, // [2:2] is the sub-list for method output_type
 2, // [2:2] is the sub-list for method input_type
 2, // [2:2] is the sub-list for extension type_name
 2, // [2:2] is the sub-list for extension extendee
 0, // [0:2] is the sub-list for field type_name
}

func init() { file_google_ai_generativelanguage_v1beta_permission_proto_init() }
func
 file_google_ai_generativelanguage_v1beta_permission_proto_init() {
 if File_google_ai_generativelanguage_v1beta_permission_proto != nil {
  return
 }
 if !protoimpl.UnsafeEnabled {
  file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].Exporter = func(v any, i int) any {
   switch v := v.(*Permission); i {
   case 0:
    return &v.state
   case 1:
    return &v.sizeCache
   case 2:
    return &v.unknownFields
   default:
    return nil
   }
  }
 }
 file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].OneofWrappers = []any{}
 type x struct{}
 out := protoimpl.TypeBuilder{
  File: protoimpl.DescBuilder{
   GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
   RawDescriptor: file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc,
   NumEnums:      2,
   NumMessages:   1,
   NumExtensions: 0,
   NumServices:   0,
  },
  GoTypes:           file_google_ai_generativelanguage_v1beta_permission_proto_goTypes,
  DependencyIndexes: file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs,
  EnumInfos:
         file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes,
  MessageInfos:      file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes,
 }.Build()
 File_google_ai_generativelanguage_v1beta_permission_proto = out.File
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_goTypes = nil
```

```
 file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = nil
}
// Copyright 2024 Google LLC
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//     https://www.apache.org/licenses/LICENSE-2.0
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// distributed under the License is distributed on an "AS IS" BASIS,
// WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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// limitations under the License.

// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute

import (
 "bytes"
 "context"
 "fmt"
 "io"
 "math"
 "net/http"
 "net/url"
 "time"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/googleapi"
 "google.golang.org/api/iterator"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport
 "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/protobuf/encoding/protojson"
 "google.golang.org/protobuf/proto"
)

var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
 Delete          []gax.CallOption
```

```
 Get              []gax.CallOption
 GetIamPolicy       []gax.CallOption
 Insert            []gax.CallOption
 List              []gax.CallOption
 SetIamPolicy       []gax.CallOption
 TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
 return &LicensesCallOptions{
  Delete: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  Get: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  GetIamPolicy:
[]gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  Insert: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  List: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
```

```
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  SetIamPolicy: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  TestIamPermissions: []gax.CallOption{
   gax.WithTimeout(600000
 * time.Millisecond),
  },
 }
}

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
 Close() error
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
 Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
 Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
 GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
 List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
 SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse,
 error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicensesClient

 // The call options for this service.
 CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.
```

```
// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
 return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

//
 Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
 return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy
 for a resource. May be empty if no such policy or resource exists. Caution This resource is intended for use only by
third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
```

```
 return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
 list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-
cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating
Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption)
*LicenseIterator {
 return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use
 only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // operationClient is used to call the operation-specific management service.
 operationClient *GlobalOperationsClient

 // The x-goog-* headers to be sent with each request.
 xGoogHeaders []string

 // Points back to the CallOptions field of the containing LicensesClient
 CallOptions **LicensesCallOptions
}
```

```
// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx
 context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
 clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicensesRESTCallOptions()
 c := &licensesRESTClient{
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
 }
 c.setGoogleClientInfo()

 o := []option.ClientOption{
  option.WithHTTPClient(httpClient),
  option.WithEndpoint(endpoint),
 }
 opC, err := NewGlobalOperationsRESTClient(ctx, o...)
 if err != nil {
  return nil, err
 }
 c.operationClient = opC

 return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultEndpointTemplate("https://compute.UNIVERSE_DOMAIN"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultUniverseDomain("googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
  internaloption.EnableNewAuthLibrary(),
 }
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
```

```
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogHeaders = []string{
  "x-goog-api-client", gax.XGoogHeader(kv...),
 }
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
 // Replace httpClient with nil to force cleanup.
 c.httpClient
 = nil
 if err := c.operationClient.Close(); err != nil {
  return err
 }
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
 return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params",
 fmt.Sprintf("%s=%v&%s=%v", "project", url.QueryEscape(req.GetProject()), "license",
url.QueryEscape(req.GetLicense()))}
```

```
hds = append(c.xGoogHeaders, hds...)
hds = append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf,
err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
```

```
  },
 }
 return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()),
 "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.License{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
```

```
 if err != nil {
  return err
 }

 if err
:= unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

 params := url.Values{}
 if req != nil && req.OptionsRequestedPolicyVersion != nil {
  params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and
 context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
```

```
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp);
 err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetLicenseResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
```

```
}

baseUrl, err := url.Parse(c.endpoint)
if err != nil {
 return nil, err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

params := url.Values{}
if req != nil && req.RequestId != nil {
 params.Add("requestId",
fmt.Sprintf("%v", req.GetRequestId()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v", "project", url.QueryEscape(req.GetProject()))}

hds = append(c.xGoogHeaders, hds...)
hds = append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err !=
nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
```

```
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}
```

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```
func (c *licensesRESTClient)
 List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
 it := &LicenseIterator{}
 req = proto.Clone(req).(*computepb.ListLicensesRequest)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
  resp := &computepb.LicensesListResponse{}
  if pageToken != "" {
   req.PageToken = proto.String(pageToken)
  }
  if pageSize > math.MaxInt32 {
   req.MaxResults = proto.Uint32(math.MaxInt32)
  } else if pageSize != 0 {
   req.MaxResults = proto.Uint32(uint32(pageSize))
  }
  baseUrl, err := url.Parse(c.endpoint)
  if err != nil {
   return nil, "", err
  }
  baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())
```

```
 params := url.Values{}
 if req != nil && req.Filter != nil {
  params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
 }
 if req != nil && req.MaxResults != nil {
  params.Add("maxResults",
fmt.Sprintf("%v", req.GetMaxResults()))
 }
 if req != nil && req.OrderBy != nil {
  params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
 }
 if req != nil && req.PageToken != nil {
  params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
 }
 if req != nil && req.ReturnPartialSuccess != nil {
  params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := append(c.xGoogHeaders, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return
err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
```

```
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, "", e
 }
 it.Response = resp
 return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
 items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
 if err != nil {
  return "", err
 }
 it.items = append(it.items, items...)
 return nextPageToken, nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()

return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only
 by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetGlobalSetPolicyRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
```

```
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
 opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
```

```
 }
 return resp, nil
}

// TestIamPermissions returns permissions that a caller has on
 the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type",
 "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers
```

```
 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return
nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}
```

1.6595 arrow-go 13.0.0

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```
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* cpp/src/arrow/vendored/ProducerConsumerQueue.h

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* folly/Portability.h
* folly/lang/Align.h
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* Continuum Analytics

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1.6596 contrib-instrumentation-google.golang.org-grpc-otelgrpc 0.53.0

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1.6597 aws-sdk-go-v2-aws-protocol-eventstream 1.6.3

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```
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
```

```
      uses: actions/checkout@v2
      with:
        path: sdkbase
        ref: ${{ github.base_ref }}
    - name: Checkout this ref
      uses: actions/checkout@v2
      with:
        path: new-ref
        fetch-depth: 0
    - name: Get Diff
      run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
    - name: Get Target Files
      run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
    - name: Checkout scancode
      uses: actions/checkout@v2
      with:
        repository: nexB/scancode-toolkit
        path: scancode-toolkit
        fetch-depth: 1
    - name: Set up Python ${{ matrix.python-version }}
       uses: actions/setup-python@v2
      with:
        python-version: ${{ matrix.python-version }}
    # ScanCode
    - name: Self-configure scancode
      working-directory: ./scancode-toolkit
      run: ./scancode --help
    - name: Run Scan code on target
      run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
    - name: Run Scan code on pr ref
      run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
CreateLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
```

Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
ListReceivedLicenses
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry

RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "shapes": {
    "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
      "type": "integer"
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
      "type": "long"
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
      "type": "structure",
      "members": {
        "Name": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The type of name to filter by.</p>"
          }
        },
        "Values": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
          "traits": {
            "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
          }
        },
        "Operator": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
          "traits": {
            "smithy.api#documentation": "<p>An operator for filtering results.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe
operation.\n      Filters can be used to match a set of resources by specific criteria.</p>"
      }
```

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
        },
        "output": {

          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the Linux subscriptions service settings.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/GetServiceSettings"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest":
{
        "type": "structure",
        "members": {}
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
```

"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " Lists the settings defined for Linux subscriptions discovery. The settings include if\n Organizations integration has been enabled, and
which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}
},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays
the aggregated data for Linux\n subscriptions. "
}
}
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
"type": "structure",
"members": {
"AmiId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The AMI ID used to launch the instance. "
}
},
"InstanceID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The instance ID of the resource. "
}

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            },
            "InstanceType": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The instance type of the resource.</p>"
                }

        },
            "AccountID": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The account ID which owns the instance.</p>"
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of the instance.</p>"
                }
            },
            "Region": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Region the instance is running in.</p>"
                }
            },
            "UsageOperation": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The usage operation of the instance. For more information, see For
 more information, see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-
subscriptions-usage-operation.html\">Usage\n        operation values</a> in the <i>License Manager User
Guide</i>.</p>"
                }
            },
            "ProductCode": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
                "traits": {
                    "smithy.api#documentation": "<p>The product code for the instance. For more information, see <a
href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-subscriptions-usage-
operation.html\">Usage\n        operation values</a> in the <i>License Manager User Guide</i> .</p>"
                }
            },
            "LastUpdatedTime": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The time in which the last discovery
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updated the instance details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the subscription being used by the instance. "
}
}
},
"traits": {
"smithy.api#documentation": " Details discovered information about a running instance using Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
"type": "service",
"version": "2018-05-10",
"operations": [
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"

}
],

"traits": {
"aws.api#service": {
"sdkId": "License Manager Linux Subscriptions",
"arnNamespace": "license-manager-linux-subscriptions",
"cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
},
"aws.auth#sigv4": {
"name": "license-manager-linux-subscriptions"
},
"aws.protocols#restJson1": {},
"smithy.api#cors": {
"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id",
"content-length",
"x-api-key",
"authorization",
"x-amz-date",

"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager, you can discover and track your commercial Linux subscriptions on running\n Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The

AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",

"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
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"rules": [
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{
"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
]
}
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"rules": [
{

"conditions": [
{
"fn": "booleanEquals",
"argv": [
{

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                "ref": "UseFIPS"
            },
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        ]
    }
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  "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
  "type": "error"
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  "rules": [
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                "argv": [
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                        "ref": "UseDualStack"
                    },
                    true
                ]
            }
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        "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
        "type": "error"
    },
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        "conditions": [],

 "endpoint": {
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                "ref": "Endpoint"
            },
            "properties": {},
            "headers": {}
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        "type": "endpoint"
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"rules": [
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"argv": [
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      }
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    "type": "tree",
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        "conditions": [
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            "fn": "aws.partition",
            "argv": [
              {
                "ref": "Region"
              }
            ],

"assign": "PartitionResult"
          }
        ],
        "type": "tree",
        "rules": [
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                "fn": "booleanEquals",
                "argv": [
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                    "ref": "UseFIPS"
                  },
                  true
                ]
              },

  {
                "fn": "booleanEquals",
                "argv": [
                  {
                    "ref": "UseDualStack"
                  },
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                    true
                ]
            }
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                    "argv": [
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                        {
                            "fn": "getAttr",
                            "argv": [
                                {
                                    "ref": "PartitionResult"
                                },
                                "supportsFIPS"
                            ]

}
                    ]
                },
                {
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                    "argv": [
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                        {
                            "fn": "getAttr",
                            "argv": [
                                {
                                    "ref": "PartitionResult"
                                },

                     "supportsDualStack"
                            ]
                        }
                    ]
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                    "type": "tree",
                    "rules": [
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"conditions": [],
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"url": "https://license-manager-linux-subscriptions-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
}
]

},
{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
]
},
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
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"ref": "UseFIPS"
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"type": "tree",
"rules": [
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"conditions": [
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"fn": "booleanEquals",
"argv": [
true,

{
"fn": "getAttr",

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                                "argv": [
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                                  },
                                  "supportsFIPS"
                                ]
                              }
                            ]
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                            "type": "tree",
                            "rules": [
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                                "conditions": [],
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fips.{Region}.{PartitionResult#dnsSuffix}",
                                  "properties": {},
                                  "headers": {}

                                },
                                "type": "endpoint"
                              }
                            ]
                          }
                        ]
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                        "conditions": [],
                        "error": "FIPS is enabled but this partition does not support FIPS",
                        "type": "error"
                      }
                    ]

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                    {
                      "conditions": [
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                          "fn": "booleanEquals",
                          "argv": [
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                              "ref": "UseDualStack"
                            },
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                    "argv": [
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                            "fn": "getAttr",
                            "argv": [
                                {
                                    "ref": "PartitionResult"
                                },
                                "supportsDualStack"
                            ]
                        }
                    ]
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            "rules": [
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                    "type": "tree",
                    "rules": [
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                            "conditions": [],

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subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
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            ]
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"error": "DualStack is enabled but this partition does not support DualStack",
"type": "error"
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"conditions": [],
"type": "tree",
"rules": [
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"conditions": [],
"endpoint": {
"url":
"https://license-manager-linux-subscriptions.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
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]
}
]
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{
"conditions": [],
"error": "Invalid Configuration: Missing Region",
"type": "error"
}
]
}
]
},
"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,

"UseDualStack": true
}
},
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"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {

"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {

"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
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{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint":
{
"url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}

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        },
        {
          "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
            }
          },
          "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": true,
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          }
        },
        {
          "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
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            }
          },
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            "UseDualStack": false
          }
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          "expect": {
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{
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            }
          },
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            "Region": "us-gov-east-1",
            "UseFIPS": false,
            "UseDualStack": true
          }
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        {
          "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
            }
          },
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
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{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
}

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            },
            "params": {
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                "UseFIPS": false,
                "UseDualStack": false
            }
        },
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            "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
            },
            "params": {

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                "UseDualStack": true
            }
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        {
            "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
                }
            },
            "params": {
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                "UseFIPS": true,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region us-isob-east-1 with FIPS disabled
and DualStack enabled",
            "expect": {
                "error": "DualStack is enabled but this partition does not support DualStack"
            },
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            "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
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"url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
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"params": {
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"UseFIPS": false,
"UseDualStack": false
}
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"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
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"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
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"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
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"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,

"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
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{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}

}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled LinuxSubscriptionsDiscovery"
},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled LinuxSubscriptionsDiscovery"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
"type": "structure",
"members": {

"SourceRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Regions in which to discover data for Linux subscriptions. ",
"smithy.api#required": {}
}
},
"OrganizationIntegration": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
"traits": {
"smithy.api#documentation": " Details if you have enabled resource discovery across your accounts in Organizations. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Lists the settings defined for discovering Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
"type":
"operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions. ",
"smithy.api#http": {

"code": 200,
"method": "POST",

"uri": "/subscription/ListLinuxSubscriptionInstances"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Instances"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>AmiID</code> with an optional operator to see subscriptions that match, partially\n match, or don't match a certain Amazon Machine Image (AMI) ID. \n The valid names for this filter are: \n \n \n \n <code>AmiID</code>\n \n \n \n \n <code>InstanceID</code>\n \n \n \n \n <code>AccountID</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Region</code>\n \n \n \n \n <code>UsageOperation</code>\n \n \n \n \n <code>ProductCode</code>\n \n \n \n \n <code>InstanceType</code>\n \n \n \n The valid Operators for this filter are: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "

}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. ",
"smithy.api#length": {
"min": 1,
"max": 16384

```
                }
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
    "type": "structure",
    "members": {
        "Instances": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
            "traits": {
                "smithy.api#documentation":
 "<p>An array that contains instance objects.</p>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
         },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the Linux subscriptions that have been discovered. If you have
```

linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptions"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Subscriptions"
}

}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't match a certain subscription's name. \n The valid names for this filter are: \n \n \n \n <code>Subscription</code>\n \n \n \n The valid Operators for this filter are: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. ",
"smithy.api#length": {

"min": 1,
"max": 16384

```
                }
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
    "type": "structure",
    "members": {
        "Subscriptions": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
            "traits": {
                "smithy.api#documentation": "<p>An array that contains subscription objects.</p>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for
 the next set of results.</p>"
            }
        }
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
    "type": "string",
    "traits": {
        "smithy.api#enum": [
            {
                "name": "EQUAL",
                "value": "Equal",
                "documentation": "Equal operator"
            },
            {
                "name": "NOT_EQUAL",
                "value": "NotEqual",
                "documentation": "Not equal operator"
            },
            {
                "name": "CONTAINS",
                "value": "Contains",
                "documentation": "Contains operator"
            }
        ],
        "smithy.api#length": {
```

```
            "min": 1,
            "max": 20
          }
        }
    },

"com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration": {
        "type": "string",
        "traits": {
          "smithy.api#enum": [
            {
              "name": "Enabled",
              "value": "Enabled",
              "documentation": "Enabled OrganizationIntegration"
            },
            {
              "name": "Disabled",
              "value": "Disabled",
              "documentation": "Disabled OrganizationIntegration"
            }
          ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
        "type": "list",
        "member": {
          "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
        "type": "string",
        "traits": {
          "smithy.api#enum": [

   {
              "name": "InProgress",
              "value": "InProgress",
              "documentation": "InProgress status"
            },
            {
              "name": "Completed",
              "value": "Completed",
              "documentation": "Completed status"
            },
            {
              "name": "Successful",
              "value": "Successful",
              "documentation": "Successful status"
```

```
            },
            {
                "name": "Failed",
                "value": "Failed",
                "documentation": "Failed status"
            }
        ]
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String",
        "traits":
{
            "smithy.api#length": {
                "min": 1,
                "max": 100
            }
        }
    },
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 100
        },
        "smithy.api#uniqueItems": {}
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
    "type": "map",
    "key": {
        "target": "smithy.api#String"
    },
    "value": {
        "target": "smithy.api#String"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The name of the subscription.</p>"

    }
        },
```

"Type": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS. "
}
},
"InstanceCount": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
"traits": {
"smithy.api#documentation": " The total amount of running instances using this subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " An object which details a discovered Linux subscription. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request was denied due to request throttling. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
},

"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates the service settings for Linux subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/UpdateServiceSettings"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest":
{
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Describes if the discovery of Linux subscriptions is enabled. ",
"smithy.api#required": {}
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The
settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated
from. ",

"smithy.api#required": {}
}
},
"AllowUpdate": {
"target": "smithy.api#Boolean",
"traits": {
"smithy.api#documentation": " Describes if updates are allowed to the service settings for Linux
subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home
Region. "

```
            }
          }
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
        "type": "structure",
        "members": {
          "LinuxSubscriptionsDiscovery": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
            "traits": {
              "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
            }
          },

         "LinuxSubscriptionsDiscoverySettings": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
            "traits": {
              "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The
settings include if Organizations\n      integration has been enabled, and which Regions data will be aggregated
from.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
            "traits": {
              "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
            }
          },
          "StatusMessage": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
            "traits": {
              "smithy.api#documentation":
 "<p>A message which details the Linux subscriptions service settings current status.</p>"
            }
          },
          "HomeRegions": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
            "traits": {
              "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
        "type": "structure",
        "members": {
```

```
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
            "smithy.api#error": "client"
        }
    }
  }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
```

```
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string
```

```
// Amazon Resource Name (ARN) of the checkout license.
LicenseArn
*string

// License consumption token.
LicenseConsumptionToken *string

// Node ID.
NodeId *string

// Signed token.
SignedToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
```

```
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
```

```
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.Entitlement

 // Home Region for the license.
 //
 // This member is required.
 HomeRegion *string

 // License issuer.
 //
 // This member is required.
 Issuer *types.Issuer

 // License name.
 //
 // This member is required.
 LicenseName *string

 // Product name.
 //
 // This member is required.
 ProductName *string
```

```
 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // Date and time range during which the license is valid, in ISO8601-UTC format.
 //
 // This member is required.
 Validity *types.DatetimeRange

 // Information about
 the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
```

```
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if
err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return
err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
```

```
 return err
 }
 if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName:
 "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

```
// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
```

```
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
 err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
```

```
 return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil
 {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
```

}
CheckoutLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
DisassociateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step

ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckoutBorrowLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry

```
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
```

```
//   - ProductSKU
//
//   - Status
//
//
  - Fingerprint
//
//   - IssuerName
//
//   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
```

```
middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err
= smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
```

```
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
AssociateLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
```

```
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
```

```
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata
```

```
 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
```

```
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
```

```
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}
```

```
type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err
 != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
```

```
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpGetLicenseValidationMiddleware(stack);
err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
```

```
 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
ListLicenses
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
AWS SDK for Go
```

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```
Copyright 2014-2015 Stripe, Inc.
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}
```

```
type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err !=
 nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
```

```
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil
 {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
```

```
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
DeleteLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
```

```
  RequestResponseLogger
GetLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
```

```
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string
```

```
 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
```

```
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
if err != nil {
 return
err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return
err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
```

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// Code generated by smithy-go-codegen DO NOT EDIT.

```
package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }
```

```
 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
```

```
if err = addClientRequestID(stack); err != nil {
 return err
}
if
err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil
{
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
 return err
}
```

```
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
 }
}
```

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package licensemanager

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32
```

```
 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack,
 options, "ListLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
```

```
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack);
 err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:
     ServiceID,
  OperationName: "ListLicenses",
 }
}
CheckInLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
```

RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "shapes": {
    "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
      "type": "structure",
      "members": {
        "message": {
          "target": "smithy.api#String"
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
        "smithy.api#error": "client"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
      "type": "structure",
      "members": {
        "DirectoryId": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation":
"<p>Details about an Active Directory identity provider.</p>"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Associates the user to an EC2 instance to utilize user-based subscriptions. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your\n monthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/AssociateUser"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the

EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The identity provider of the user. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request couldn't be completed because it conflicted with the current state of the\n resource. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider":

```
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deregisters the identity provider from providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/DeregisterIdentityProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
```

```
            "traits": {
              "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
              "smithy.api#required": {}
            }
          },
          "Product": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
              "smithy.api#required": {}
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
        "type": "structure",
        "members": {
          "IdentityProviderSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
            "traits": {
              "smithy.api#documentation":
"<p>Metadata that describes the results of an identity provider operation.</p>",
              "smithy.api#required": {}
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
          },
```

```
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/DisassociateUser"
            },
            "smithy.api#idempotent": {}
        }

    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation":
 "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
```

```
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
        "type": "structure",
        "members": {
            "InstanceUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },

"com.amazonaws.licensemanagerusersubscriptions#Filter": {
        "type": "structure",
        "members": {
            "Attribute": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of an attribute to use as a filter.</p>"
                }
            },
            "Operation": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The type of search (For example, eq, geq, leq)</p>"
                }
            },
            "Value": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Value of the filter.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A filter name and value pair that is used
 to return more specific results from a describe\n      operation. Filters can be used to match a set of resources by
specific criteria, such as tags,\n      attributes, or IDs.</p>"
        }
```

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#FilterList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
        "type": "union",
        "members": {
            "ActiveDirectoryIdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that details an Active Directory identity provider.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>Details about an identity provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Settings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
                "traits": {
                    "smithy.api#documentation": "<p>An object that details the registered identity providers product
related configuration\n      settings such as the subnets to provision VPC endpoints.</p>",
                    "smithy.api#required":
 {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
```

```
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of an identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "FailureMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The failure message associated with an identity provider.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>Describes an identity provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status
 of an EC2 instance resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "Products": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
```

"smithy.api#required": {}
}
},
"LastStatusCheckDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date of the last status check. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for an EC2 instance. "
}

}
},
"traits": {
"smithy.api#documentation": " Describes an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",

"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a user associated with an EC2 instance. ",
"smithy.api#required": {}
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for users of an EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},
"AssociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was associated with an EC2 instance. "
}
},
"DisassociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was disassociated from an EC2 instance. "
}
}

},
"traits": {
"smithy.api#documentation": " Describes users of an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
}

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
            "smithy.api#error": "server"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
        "type": "service",

     "version": "2018-05-10",
        "operations": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"

},
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
            }
        ],
        "traits": {
            "aws.api#service": {
                "sdkId": "License Manager User Subscriptions",
                "arnNamespace": "license-manager-user-subscriptions",
                "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
            },
            "aws.auth#sigv4": {
                "name": "license-manager-user-subscriptions"
             },
            "aws.protocols#restJson1": {},
            "smithy.api#cors": {
                "additionalAllowedHeaders": [
                    "*",
                    "content-type",
                    "x-amz-content-sha256",
                    "x-amz-user-agent",
                    "x-amzn-platform-id",
                    "x-amzn-trace-id",
                    "content-length",
                    "x-api-key",
                    "authorization",
                    "x-amz-date",
                    "x-amz-security-token",
                    "Access-Control-Allow-Headers",
                    "Access-Control-Allow-Methods",
                    "Access-Control-Allow-Origin"
                ],
                "additionalExposedHeaders": [
                    "x-amzn-errortype",
                    "x-amzn-requestid",
                    "x-amzn-trace-id"

 ]
            },
            "smithy.api#documentation": "<p>With License Manager, you can create user-based subscriptions to
utilize licensed software with\n      a per user subscription fee on Amazon EC2 instances.</p>",
            "smithy.api#title": "AWS License Manager User Subscriptions",
            "smithy.rules#endpointRuleSet": {
                "version": "1.0",
                "parameters": {
                    "Region": {
                        "builtIn": "AWS::Region",
                        "required": false,
```

"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack
endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}

},
"rules": [
{
"conditions": [
{
"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
]
}
],
"type": "tree",
"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"

```
                    },

                    true
                    ]
                }
            ],
            "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
            "type": "error"
        },
        {
            "conditions": [
                {
                    "fn": "booleanEquals",
                    "argv": [
                        {
                            "ref": "UseDualStack"
                        },
                        true
                    ]
                }
            ],

"error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
            "type": "error"
        },
        {
            "conditions": [],
            "endpoint": {
                "url": {
                    "ref": "Endpoint"
                },
                "properties": {},
                "headers": {}
            },
            "type": "endpoint"
        }
    ]
},
{
    "conditions": [
        {
            "fn": "isSet",
            "argv": [

{
                    "ref": "Region"
                }
            ]
```

```
            }
        ],
        "type": "tree",
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "aws.partition",
                        "argv": [
                            {
                                "ref": "Region"
                            }
                        ],
                        "assign": "PartitionResult"
                    }
                ],
                "type": "tree",

"rules": [
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    {
                                        "ref": "UseFIPS"
                                    },
                                    true
                                ]
                            },
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    {
                                        "ref": "UseDualStack"

                                    },
                                    true
                                ]
                            }
                        ],
                        "type": "tree",
                        "rules": [
                            {
                                "conditions": [
                                    {
                                        "fn": "booleanEquals",
                                        "argv": [
```

true,
{
"fn": "getAttr",

"argv": [
{
"ref": "PartitionResult"
},
"supportsFIPS"
]
}
]
},
{
"fn": "booleanEquals",
"argv": [
true,
{

"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsDualStack"
]
}
]
}
],
"type": "tree",
"rules": [
{

"conditions": [],
"endpoint": {
"url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
},
{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or

both",
"type": "error"
}
]
},
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"
},
true
]
}
],
"type": "tree",

"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
true,
{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsFIPS"

]
}
]
}
],
"type": "tree",
"rules": [
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},
"headers": {}

```
},
                "type": "endpoint"
              }
            ]
          },
          {
            "conditions": [],
            "error": "FIPS is enabled but this partition does not support FIPS",
            "type": "error"
          }
        ]
      },
      {
        "conditions": [
          {
            "fn": "booleanEquals",
            "argv": [
              {
                "ref": "UseDualStack"
              },
              true
            ]
          }
        ],
        "type": "tree",
        "rules": [
          {
            "conditions": [
              {
                "fn": "booleanEquals",
                "argv": [
                  true,
                  {

                    "fn": "getAttr",
                      "argv": [
                        {
                          "ref": "PartitionResult"
                        },
                        "supportsDualStack"
                      ]
                  }
                ]
              }
            ],
            "type": "tree",
            "rules": [
```

{
"conditions": [],
"endpoint": {
"url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
},
{
"conditions": [],
"error": "DualStack is enabled but this partition does
not support DualStack",
"type": "error"
}
]
},
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
}
]
},
{
"conditions":
[],
"error": "Invalid Configuration: Missing Region",
"type": "error"
}
]
},
"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {

"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation":
"For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
}
},

"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,

"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with
FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},

"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1

with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1
with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
}
},
"params": {

"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect":
{
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"

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                    },
                    "params": {
                        "Region": "us-iso-east-1",
                        "UseFIPS": false,
                        "UseDualStack":
true
                    }
                },
                {
                    "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
                    "expect": {
                        "endpoint": {
                            "url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
                        }
                    },
                    "params": {
                        "Region": "us-iso-east-1",
                        "UseFIPS": false,
                        "UseDualStack": false
                    }
                },
                {
                    "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
                    "expect": {
                        "error": "FIPS and DualStack are enabled, but
this partition does not support one or both"
                    },
                    "params": {
                        "Region": "us-isob-east-1",
                        "UseFIPS": true,
                        "UseDualStack": true
                    }
                },
                {
                    "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
                    "expect": {
                        "endpoint": {
                            "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
                        }
                    },
                    "params": {
                        "Region": "us-isob-east-1",
                        "UseFIPS": true,
                        "UseDualStack": false
                    }

        },
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"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
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"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{

"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,

"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
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{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the identity providers for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/ListIdentityProviders"
},
"smithy.api#paginated":
{
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "IdentityProviderSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "smithy.api#String",

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            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse":
{
    "type": "structure",
    "members": {
        "IdentityProviderSummaries": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
            "traits": {
                "smithy.api#documentation": "<p>Metadata that describes the list identity providers operation.</p>",
                "smithy.api#required": {}
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
     },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
```

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            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/instance/ListInstances"
            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "InstanceSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
        "type": "structure",
        "members": {
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
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"type":
"structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list instances operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],

"traits": {
"smithy.api#documentation": " Lists the user-based subscription products available from an identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListProductSubscriptions"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "ProductUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
"type": "structure",
"members": {
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {

"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
},

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            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
        "type": "structure",
        "members": {
            "ProductUserSummaries": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the list product subscriptions
operation.</p>"
                }
            },

     "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target":
 "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/ListUserAssociations"
            },
            "smithy.api#paginated":
{
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "InstanceUserSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity
provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
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"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
"type": "structure",
"members": {
"InstanceUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list user association operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
"type": "structure",
"members": {

"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},

"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}

},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a product for a user. ",
"smithy.api#required": {}
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for a product for a user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},
"SubscriptionStartDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The
start date of a subscription. "
}
},
"SubscriptionEndDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The end date of a subscription. "
}
}
},

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    "traits": {
        "smithy.api#documentation": "<p>The summary of the user-based subscription products for a user.</p>"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
     },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
         },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/identity-provider/RegisterIdentityProvider"
        },
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"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings such as the\n subnets to provision VPC endpoints. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {

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            "target": "smithy.api#String"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The resource couldn't be found.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 404
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
        "type": "string",

    "traits": {
          "smithy.api#length": {
            "min": 5,
            "max": 200
          },
          "smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
        "type": "structure",
        "members": {
          "message": {
            "target": "smithy.api#String"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The request failed because a service quota is exceeded.</p>",
          "smithy.api#error": "client"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#Settings": {
        "type": "structure",
        "members": {
          "Subnets": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
            "traits": {
              "smithy.api#documentation":
  "<p>The subnets defined for the registered identity provider.</p>",
              "smithy.api#length": {
                "min": 1
              },
              "smithy.api#required": {}
            }
          },
          "SecurityGroupId": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
```

"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688 communication between resources in\n your VPC and the VPC endpoint for activation servers. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings such as the\n subnets to provision VPC endpoints, and the security group ID that is associated with the VPC\n endpoints. The security group should permit inbound TCP port 1688 communication from resources\n in the VPC. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Starts a product subscription for a user with the specified identity provider. \n <note>\n Your estimated bill for charges on the number of users and related costs

will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing.
For more information, see Viewing your\n monthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StartProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
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"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
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"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
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},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {

"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
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"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
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"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
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"errors": [
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"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"

},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Stops a product subscription for a user with the specified identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StopProductSubscription"

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            }
        }
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    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
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                "target": "smithy.api#String",
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                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
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            "IdentityProvider": {
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                    "smithy.api#required":
{}
                }
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            "Product": {
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                "traits": {
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                    "smithy.api#required": {}
                }
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                    "smithy.api#documentation":
"<p>Metadata that describes the start product subscription operation.</p>",
                    "smithy.api#required": {}
                }
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        "member": {
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        "type": "string",
        "traits": {
            "smithy.api#pattern": "subnet-[a-z0-9]{8,17}"
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    "com.amazonaws.licensemanagerusersubscriptions#Subnets": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
        }
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    "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
            "message": {

             "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the
request.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
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        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
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        "errors": [
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                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
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                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
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        "traits": {
            "smithy.api#documentation": "<p>Updates additional product configuration settings for the registered
identity\n      provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/UpdateIdentityProviderSettings"
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            "smithy.api#idempotent": {}
        }
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            "Product": {
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                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "UpdateSettings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
                "traits": {
                    "smithy.api#documentation": "<p>Updates the registered identity providers product related
configuration settings. You can\n      update any combination of settings in a single operation such as the:</p>\n
<ul>\n            <li>\n                <p>Subnets which you want to add to provision VPC endpoints.</p>\n            </li>\n
            <li>\n                <p>Subnets which you want to remove the VPC endpoints from.</p>\n            </li>\n
<li>\n                <p>Security group ID which permits traffic to the VPC endpoints.</p>\n            </li>\n        </ul>",
                    "smithy.api#required": {}
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"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
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"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#required": {}
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"com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
"type": "structure",
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"AddSubnets": {

"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets in which License Manager will create a VPC endpoint for products that\n require connectivity to activation servers. ",
"smithy.api#required": {}
}
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"RemoveSubnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets to remove. ",
"smithy.api#required": {}
}
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"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688 communication between resources in\n your VPC and the VPC endpoints for activation servers. "
}
}
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"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related configuration settings such as\n the subnets to provision VPC endpoints. "
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"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {

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                "target": "smithy.api#String"
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            "smithy.api#documentation": "<p>A parameter is not valid.</p>",
            "smithy.api#error": "client"
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            "namespace": "*"
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            "namespace": "*"
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            "namespace": "*"
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            "namespace": "*"
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            "id": "HttpUriConflict",
            "namespace": "*"
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            "namespace": "*"
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    "com.amazonaws.licensemanager#AWSLicenseManager": {
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        "version": "2018-08-01",
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"target": "com.amazonaws.licensemanager#CheckInLicense"
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"target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
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"target": "com.amazonaws.licensemanager#CheckoutLicense"
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"target": "com.amazonaws.licensemanager#CreateGrant"
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"target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
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"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
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"target": "com.amazonaws.licensemanager#DeleteToken"

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      "target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
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      "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
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"target": "com.amazonaws.licensemanager#ListLicenses"
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"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
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"target": "com.amazonaws.licensemanager#RejectGrant"
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"target": "com.amazonaws.licensemanager#UntagResource"
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"target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
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"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
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"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
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"target": "com.amazonaws.licensemanager#UpdateServiceSettings"
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"traits": {
"aws.api#service": {
"sdkId": "License Manager",
"arnNamespace": "license-manager",
"cloudFormationName": "LicenseManager",
"cloudTrailEventSource": "licensemanager.amazonaws.com",
"endpointPrefix": "license-manager"
},
"aws.auth#sigv4": {
"name": "license-manager"
},
"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
},
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send

this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
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"rules": [
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"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
]

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"rules": [
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"argv": [
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"type": "error"
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"argv": [
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  "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
  "type": "error"
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      "argv": [
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          "argv": [
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                              },
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                            ]
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]
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"rules": [
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"conditions": [],
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"url": "https://license-manager-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}

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"type": "endpoint"
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"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
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"conditions": [
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"fn": "booleanEquals",

"argv": [
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                        "supportsFIPS"
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                    "properties": {},
                    "headers": {}
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                  "type": "endpoint"
                }
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              "error": "FIPS is enabled but this
partition does not support FIPS",
              "type": "error"
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                                        "ref": "PartitionResult"
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"supportsDualStack"
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                ],
                "type": "tree",
                "rules": [
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                        "endpoint": {
                            "url": "https://license-
manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
                            "properties": {},
                            "headers": {}

        },
                        "type": "endpoint"
                    }
                ]
            },
            {
                "conditions": [],
                "error": "DualStack is enabled but this partition does not support DualStack",
                "type": "error"
            }
```

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                ]
            },
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                    "properties": {},
                    "headers": {}
                },
                "type": "endpoint"
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  "error": "Invalid Configuration: Missing Region",
  "type": "error"
}
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"smithy.rules#endpointTests": {
  "testCases": [
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      "documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint":
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            "url": "https://license-manager.af-south-1.amazonaws.com"
        }
      },
      "params": {
        "Region": "af-south-1",
        "UseFIPS": false,
        "UseDualStack": false
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      "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
            "url": "https://license-manager.ap-east-1.amazonaws.com"
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      "params": {
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        "UseFIPS": false,
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"UseDualStack": false
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"endpoint": {
"url": "https://license-manager.ap-northeast-1.amazonaws.com"
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"params": {
"Region": "ap-northeast-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-northeast-2.amazonaws.com"
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"params": {
"Region": "ap-northeast-2",
"UseFIPS": false,
"UseDualStack": false
}
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"documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-northeast-3.amazonaws.com"
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},
"params": {
"Region": "ap-northeast-3",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager.ap-south-1.amazonaws.com"

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        "expect": {
            "endpoint": {
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        "params": {
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            "UseFIPS": false,
            "UseDualStack": false
        }
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        "documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.ap-southeast-2.amazonaws.com"
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        "params": {
            "Region": "ap-southeast-2",
            "UseFIPS": false,
            "UseDualStack": false
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"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
        "expect": {
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                "url": "https://license-manager.ap-southeast-3.amazonaws.com"
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        "params": {
            "Region": "ap-southeast-3",
            "UseFIPS": false,
            "UseDualStack": false
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              "expect": {
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             "params": {
                "Region": "ca-central-1",
                "UseFIPS": false,
                "UseDualStack": false
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                "UseFIPS": false,
                "UseDualStack": false
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              "documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.eu-south-1.amazonaws.com"
                }
```

```
                    },
                    "params": {
                        "Region":
"eu-south-1",
                        "UseFIPS": false,
                        "UseDualStack": false
                    }
                },
                {
                    "documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
                    "expect": {
                        "endpoint": {
                            "url": "https://license-manager.eu-west-1.amazonaws.com"
                        }
                    },
                    "params": {
                        "Region": "eu-west-1",
                        "UseFIPS": false,
                        "UseDualStack": false
                    }
                },
                {
                    "documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
                    "expect": {

                    "endpoint": {
                            "url": "https://license-manager.eu-west-2.amazonaws.com"
                        }
                    },
                    "params": {
                        "Region": "eu-west-2",
                        "UseFIPS": false,
                        "UseDualStack": false
                    }
                },
                {
                    "documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
                    "expect": {
                        "endpoint": {
                            "url": "https://license-manager.eu-west-3.amazonaws.com"
                        }
                    },
                    "params": {
                        "Region": "eu-west-3",
                        "UseFIPS": false,

            "UseDualStack": false
                    }
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            },
            {
              "documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.me-south-1.amazonaws.com"
                }
              },
              "params": {
                "Region": "me-south-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.sa-east-1.amazonaws.com"
                 }
              },
              "params": {
                "Region": "sa-east-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-east-1.amazonaws.com"
                }
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": false
              }

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            {
              "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.us-east-1.amazonaws.com"
                }
              },
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"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-east-2.amazonaws.com"
}

},
"params": {
"Region": "us-east-2",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-2.amazonaws.com"
}
},
"params": {
"Region": "us-east-2",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region
us-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-west-1.amazonaws.com"
}
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"params": {
"Region": "us-west-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-west-1.amazonaws.com"
}
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"params": {

"Region": "us-west-1",
"UseFIPS": true,
"UseDualStack": false
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{
"documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-west-2.amazonaws.com"
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"params": {
"Region": "us-west-2",
"UseFIPS": false,
"UseDualStack": false
}
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"documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",

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"url": "https://license-manager-fips.us-west-2.amazonaws.com"
}
},
"params": {
"Region": "us-west-2",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-1.api.aws"
}
},
"params": {

"Region": "us-east-1",
"UseFIPS": true,

"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-northwest-1",
"UseFIPS": false,
"UseDualStack": false

}
},
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
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{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},

{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",

"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-west-1.amazonaws.com"
}
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"params": {
"Region": "us-gov-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation":
"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
}
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"params": {
"Region": "us-gov-west-1",
"UseFIPS": true,
"UseDualStack": false
}
},
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {

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                "url": "https://license-manager-fips.us-gov-east-1.api.aws"
            }
        },

    "params": {
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            "UseFIPS": true,
            "UseDualStack": true
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        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-gov-east-1.api.aws"
            }
        },
        "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": false,
            "UseDualStack": true
        }
    },
    {
        "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
            }
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
            "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": true,
             "UseDualStack": true
        }
    },
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        {
          "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
            }
          },
          "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": true,
            "UseDualStack": false
          }
        },
        {
          "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
          "expect": {
            "error": "DualStack is enabled
but this partition does not support DualStack"
          },
          "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": false,
            "UseDualStack": true
          }
        },
        {
          "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
            }
          },
          "params": {
            "Region": "us-isob-east-1",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },

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          "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
          "expect": {
            "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
          },
          "params": {
            "Region": "us-isob-east-1",
            "UseFIPS": true,
            "UseDualStack": true
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```
                }
            },
            {
                "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
                    }
                },

        "params": {
                    "Region": "us-isob-east-1",
                    "UseFIPS": true,
                    "UseDualStack": false
                }
            },
            {
                "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
                "expect": {
                    "error": "DualStack is enabled but this partition does not support DualStack"
                },
                "params": {
                    "Region": "us-isob-east-1",
                    "UseFIPS": false,
                    "UseDualStack": true
                }
            },
            {
                "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

    "expect": {
                    "endpoint": {
                        "url": "https://example.com"
                    }
                },
                "params": {
                    "Region": "us-east-1",
                    "UseFIPS": false,
                    "UseDualStack": false,
                    "Endpoint": "https://example.com"
                }
            },
            {
                "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
                "expect": {
                    "endpoint": {
                        "url": "https://example.com"
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```
                }
            },
            "params": {
                "UseFIPS": false,

    "UseDualStack": false,
                "Endpoint": "https://example.com"
            }
        },
        {
            "documentation": "For custom endpoint with fips enabled and dualstack disabled",
            "expect": {
                "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
            }
        },
        {
            "documentation": "For custom endpoint with fips disabled and dualstack enabled",
            "expect": {
                "error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": true,
                "Endpoint": "https://example.com"
            }
        },
        {
            "documentation": "Missing region",
            "expect": {
                "error": "Invalid Configuration: Missing Region"
            }
        }
    ],
    "version": "1.0"
  }
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
  "type": "operation",
  "input": {
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"target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
"output": {
"target": "com.amazonaws.licensemanager#AcceptGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"

}
],
"traits": {
"smithy.api#documentation": " Accepts the specified grant. "
}
},
"com.amazonaws.licensemanager#AcceptGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

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    },
    "com.amazonaws.licensemanager#AcceptGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant
ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#AccessDeniedException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {

  "code": "ServiceAccessDenied",
                "httpResponseCode": 401
            },
            "smithy.api#documentation": "<p>Access to resource denied.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 401
        }
    },
    "com.amazonaws.licensemanager#ActivationOverrideBehavior": {
        "type": "enum",
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        "members": {
          "DISTRIBUTED_GRANTS_ONLY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
            }
          },
          "ALL_GRANTS_PERMITTED_BY_ISSUER": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
            }
          }
        }
      },
      "com.amazonaws.licensemanager#AllowedOperation": {

      "type": "enum",
        "members": {
          "CREATE_GRANT": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "CreateGrant"
            }
          },
          "CHECKOUT_LICENSE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "CheckoutLicense"
            }
          },
          "CHECKOUT_BORROW_LICENSE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "CheckoutBorrowLicense"
            }
          },
          "CHECK_IN_LICENSE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "CheckInLicense"
            }
          },
          "EXTEND_CONSUMPTION_LICENSE":
{
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "ExtendConsumptionLicense"
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```
            }
        },
        "LIST_PURCHASED_LICENSES": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ListPurchasedLicenses"
            }
        },
        "CREATE_TOKEN": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "CreateToken"
            }
        }
    }
},
"com.amazonaws.licensemanager#AllowedOperationList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#AllowedOperation"
    },
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max":
7
        }
    }
},
"com.amazonaws.licensemanager#Arn": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 2048
        },
        "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-
z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
    }
},
"com.amazonaws.licensemanager#ArnList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Arn"
    }
},
"com.amazonaws.licensemanager#AuthorizationException": {
    "type": "structure",
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"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError":
{
"code": "AuthorizationFailure",
"httpResponseCode": 403
},
"smithy.api#documentation": " The Amazon Web Services user account does not have permission to perform the action. Check the IAM\n policy associated with this account. ",
"smithy.api#error": "client",
"smithy.api#httpError": 403
}
},
"com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
"type": "structure",
"members": {
"LastRunTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time that automated discovery last ran. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes automated discovery. "
}
},

"com.amazonaws.licensemanager#Boolean": {
"type": "boolean",
"traits": {
"smithy.api#default": false
}
},
"com.amazonaws.licensemanager#BorrowConfiguration": {
"type": "structure",
"members": {
"AllowEarlyCheckIn": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether early check-ins are allowed. ",
"smithy.api#required": {}
}
},

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            "MaxTimeToLiveInMinutes": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
                    "smithy.api#required": {}
                }
            }

    },
        "traits": {
            "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#BoxBoolean": {
        "type": "boolean"
    },
    "com.amazonaws.licensemanager#BoxInteger": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#BoxLong": {
        "type": "long"
    },
    "com.amazonaws.licensemanager#CheckInLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"

     },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
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"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks in the specified license. Check in a license when it is no longer in use. "
}
},
"com.amazonaws.licensemanager#CheckInLicenseRequest": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckInLicenseResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"

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        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
        "type": "structure",
        "members":
```

{
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The license must use the borrow consumption configuration. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. Partial checkouts are not supported. ",
"smithy.api#required": {}
}
},
"DigitalSignatureMethod": {
"target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
"traits": {
"smithy.api#documentation": " Digital signature method. The possible value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see RFC 7518 Digital Signature with RSASSA-PSS. ",
"smithy.api#required": {}
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}

```
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },
            "EntitlementsAllowed":
{
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
                }
            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "SignedToken": {
                "target": "com.amazonaws.licensemanager#SignedToken",
                "traits": {
                    "smithy.api#documentation": "<p>Signed token.</p>"
                }
            },
            "IssuedAt": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
                }
            },
            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
                }
```

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            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target":
"com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license.</p>\n        <note>\n            <p>If the
account that created the license is the same that is performing the check out, you must\n            specify the account
as the beneficiary.</p>\n        </note>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicenseRequest": {
        "type": "structure",
        "members": {
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product
 SKU.</p>",
                    "smithy.api#required": {}
                }
            },
            "CheckoutType": {
                "target": "com.amazonaws.licensemanager#CheckoutType",
                "traits": {
                    "smithy.api#documentation": "<p>Checkout type.</p>",
                    "smithy.api#required": {}
                }
            },
            "KeyFingerprint": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Key fingerprint identifying the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements.</p>",

    "smithy.api#required": {}
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
```

idempotency of the request. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
"type": "structure",
"members": {
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. "
}
},
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},
"EntitlementsAllowed": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " Allowed license entitlements. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}

```
            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "IssuedAt": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
                }
            },
            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
                }
            },
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutType": {
        "type": "enum",
        "members": {
            "PROVISIONAL": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PROVISIONAL"
                }
            },
            "PERPETUAL": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PERPETUAL"
                }
             }
        }
    },
```

"com.amazonaws.licensemanager#ClientRequestToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 36
}
}
},
"com.amazonaws.licensemanager#ClientToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 2048
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#ConflictException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "ConflictException",
"httpResponseCode":
409
},
"smithy.api#documentation": " There was a conflict processing the request. Try your request
again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 409
}
},
"com.amazonaws.licensemanager#ConsumedLicenseSummary": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Resource type of the resource consuming a license. "
}
},
"ConsumedLicenses": {

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            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
            }
        }
    },

"traits": {
        "smithy.api#documentation": "<p>Details about license consumption.</p>"
    }
  },
  "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
    }
  },
  "com.amazonaws.licensemanager#ConsumptionConfiguration": {
    "type": "structure",
    "members": {
        "RenewType": {
            "target": "com.amazonaws.licensemanager#RenewType",
            "traits": {
                "smithy.api#documentation": "<p>Renewal frequency.</p>"
            }
        },
        "ProvisionalConfiguration": {
            "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
             }
        },
        "BorrowConfiguration": {
            "target": "com.amazonaws.licensemanager#BorrowConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
    }
  },
  "com.amazonaws.licensemanager#CreateGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateGrantRequest"
    },
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"output": {
"target": "com.amazonaws.licensemanager#CreateGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a grant for the specified license. A grant shares the use of license\n entitlements with a specific Amazon Web Services account, an organization, or an\n organizational unit (OU). For more
information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#CreateGrantRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}

}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Principals": {
"target": "com.amazonaws.licensemanager#PrincipalArnList",
"traits": {
"smithy.api#documentation": " The grant principals. You can specify one of the following as an Amazon Resource Name\n (ARN): \n \n \n An Amazon Web Services account, which includes only the account specified. \n \n \n \n \n An organizational unit (OU), which includes all accounts in the OU. \n \n \n \n \n An organization, which will include all accounts across your organization. \n \n ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations for the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
"type": "structure",

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        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
              "smithy.api#documentation": "<p>Grant status.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Grant version.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#CreateGrantVersion":
{
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
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            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information, see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",

    "smithy.api#required": {}
                }
            },
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>"
                }
            },
            "AllowedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
```

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            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "StatusReason": {
            "target": "com.amazonaws.licensemanager#StatusReasonMessage",
            "traits": {
                "smithy.api#documentation": "<p>Grant status reason.</p>"
            }
        },
        "SourceVersion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Current version of the grant.</p>"
            }
        },
        "Options": {
            "target": "com.amazonaws.licensemanager#Options",
            "traits": {
                "smithy.api#documentation": "<p>The options specified for the grant.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersionResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>New version of the grant.</p>"
            }
        }
```

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        },
        "traits":
{
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
             },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
```

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        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
           },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager. Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or
 all of these), license affinity  to host (how long a \n        license must be associated with a host), and the number of licenses purchased and used.</p>"
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
          "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Name of the license configuration.</p>",
              "smithy.api#required": {}
            }
          },
          "Description": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Description of the license configuration.</p>"
            }
          },
          "LicenseCountingType": {
            "target": "com.amazonaws.licensemanager#LicenseCountingType",
```

"traits": {
"smithy.api#documentation": " Dimension used to track the license inventory. ",
"smithy.api#required": {}
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether hard or soft license enforcement is used. Exceeding a hard limit\n blocks the launch of new instances. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows. \n \n \n \n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> | <code>minimumCores</code>\n \n \n \n \n <code>Instances</code> dimension: <code>allowedTenancy</code> | \n <code>maximumCores</code> | <code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n \n
\n <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n <code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code>\n \n \n \n \n <code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n <code>honorVcpuOptimization</code> | \n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n \n The unit for <code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for <code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n <code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n <code>True</code> and <code>False</code>. "
}
},

"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the license configuration. "

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            }
        },
        "DisassociateWhenNotFound": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
                "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
            }
        },
        "ProductInformationList": {
            "target": "com.amazonaws.licensemanager#ProductInformationList",
            "traits": {
                "smithy.api#documentation": "<p>Product information.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
{
    "type": "structure",
    "members": {
        "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a new license conversion task. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {

"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource you are converting the license type for. ",
"smithy.api#required": {}
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
},
"DestinationLicenseContext":
{
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting to. For the structure of the destination license, see Convert a license type using the CLI in

the License Manager User Guide. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

"traits": {
"smithy.api#documentation": " The ID of the created license type conversion task. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

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            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "ReportGeneratorName":
 {
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types an be
generated:</p>\n        <ul>\n            <li>\n                <p>License configuration report - Reports the number and
details of consumed licenses for a license configuration.</p>\n            </li>\n            <li>\n                <p>Resource
report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n            </li>\n
</ul>",
                    "smithy.api#required": {}

        }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
                    "smithy.api#documentation": "<p>Defines the type of license configuration the report generator
tracks.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportFrequency": {
                "target": "com.amazonaws.licensemanager#ReportFrequency",
                "traits": {
```

"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the new report generator. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseRequest": {
"type": "structure",

"members": {
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product
name. ",
"smithy.api#required": {}
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits": {
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region for the license. ",
"smithy.api#required": {}

}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-
UTC format. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",

"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}

```
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        },
        "Version": {
             "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#ConflictException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
```

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            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target":
"com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Issuer": {
                "target": "com.amazonaws.licensemanager#Issuer",
                "traits":
{
                    "smithy.api#documentation": "<p>License issuer.</p>",
                    "smithy.api#required": {}
                }
            },
            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region of the license.</p>",
                    "smithy.api#required": {}
                }
            },
```

"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},

"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Current version of the license. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New version of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
}
},
"traits": {
"smithy.api#output":
{}
}
},
"com.amazonaws.licensemanager#CreateToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"

```
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },

        {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n        <p>A refresh token is a JWT token used to get an access token. With an access token,\n        you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n        call License Manager to manage the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateTokenRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n        JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "RoleArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n        License Manager does not check whether the roles are in use.</p>"
                }
```

```
            },
            "ExpirationInDays": {
                "target": "com.amazonaws.licensemanager#Integer",
                "traits": {
                    "smithy.api#documentation": "<p>Token expiration, in days, counted from token creation. The
default is 365 days.</p>"
                }
            },
            "TokenProperties": {
                 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Data specified by the caller to be included in the JWT token. The
data is mapped\n          to the amr claim of the JWT token.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateTokenResponse": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",

                 "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>"
                }
            },
            "TokenType": {
                "target": "com.amazonaws.licensemanager#TokenType",
                "traits": {
                    "smithy.api#documentation": "<p>Token type.</p>"
                }
            },
            "Token": {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
                }
```

```
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
        "Begin": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Start of the time range.</p>",
                "smithy.api#required": {}
            }
        },
        "End": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>End of the time range.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
},
"com.amazonaws.licensemanager#DeleteGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
```

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            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "StatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the
grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteGrantResponse": {
```

"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation":
" Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"

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},
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
        },

    "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n        <p>You cannot
delete a license configuration that is in use.</p>"
        }
```

```
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
      "type": "structure",
      "members":
{
        "LicenseConfigurationArn": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>ID of the license configuration.</p>",
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
      "type": "structure",
      "members": {},
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
       },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
```

```
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
             }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified report generator.</p>\n        <p>This action
deletes the report generator, which stops it from generating future reports.\n        The action cannot be reversed. It
has no effect on the previous reports from this generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to be
deleted.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {

 "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
```

```
            }
          },
          "SourceVersion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Current version of the license.</p>",
              "smithy.api#required":
{}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#DeleteLicenseResponse": {
        "type": "structure",
        "members": {
          "Status": {
            "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
            "traits": {
              "smithy.api#documentation": "<p>License status.</p>"
            }
          },
          "DeletionDate": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#DeleteToken": {
        "type": "operation",
         "input": {
          "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},

{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified token. Must be called in the license home Region. "
}
},
"com.amazonaws.licensemanager#DeleteTokenRequest": {
"type": "structure",
"members": {
"TokenId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token ID. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteTokenResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}

}
},
"com.amazonaws.licensemanager#DigitalSignatureMethod": {

"type": "enum",
"members": {
"JWT_PS384": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "JWT_PS384"
}
}
}
},
"com.amazonaws.licensemanager#Entitlement": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement resource. Use only
if the unit is None. "
}
},
"MaxCount": {
"target": "com.amazonaws.licensemanager#Long",
"traits": {
"smithy.api#documentation": " Maximum entitlement count. Use if the unit is not None. "
}
},
"Overage": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether overages are allowed. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementUnit",
"traits": {
"smithy.api#documentation": " Entitlement unit. ",
"smithy.api#required": {}
}
},
"AllowCheckIn": {
"target":

"com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
                "smithy.api#documentation": " Indicates whether check-ins are allowed. "
            }
        }
    },
    "traits": {
        "smithy.api#documentation": " Describes a resource entitled for use with a license. "
    }
},
"com.amazonaws.licensemanager#EntitlementData": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": " Entitlement data name. ",
                "smithy.api#required": {}
            }
        },
        "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": " Entitlement
data value. "
            }
        },
        "Unit": {
            "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
            "traits": {
                "smithy.api#documentation": " Entitlement data unit. ",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": " Data associated with an entitlement resource. "
    }
},
"com.amazonaws.licensemanager#EntitlementDataList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#EntitlementData"
    }
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
    "type": "enum",
    "members": {

"COUNT": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}

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        },
        "GIGABYTES": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Gigabytes"
          }
        },
        "TERABYTES": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Terabytes"
          }
        },
        "BITS":
{
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Bits"
          }
        },
        "KILOBITS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Kilobits"
          }
        },
        "MEGABITS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Megabits"
          }
        },
        "GIGABITS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Gigabits"
          }
        },
        "TERABITS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Terabits"

    }
        },
        "PERCENT": {
          "target": "smithy.api#Unit",
          "traits": {
```

```
        "smithy.api#enumValue": "Percent"
    }
},
"BYTES_PER_SECOND": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Bytes/Second"
    }
},
"KILOBYTES_PER_SECOND": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Kilobytes/Second"
    }
},
"MEGABYTES_PER_SECOND": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Megabytes/Second"
    }
},
"GIGABYTES_PER_SECOND": {
    "target": "smithy.api#Unit",
     "traits": {
        "smithy.api#enumValue": "Gigabytes/Second"
    }
},
"TERABYTES_PER_SECOND": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Terabytes/Second"
    }
},
"BITS_PER_SECOND": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Bits/Second"
    }
},
"KILOBITS_PER_SECOND": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Kilobits/Second"
    }
},
"MEGABITS_PER_SECOND": {
    "target": "smithy.api#Unit",
    "traits": {
```

"smithy.api#enumValue":
"Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},
"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Entitlement"
}
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The entitlement is not allowed. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#EntitlementUnit": {
"type": "enum",
"members": {
"COUNT": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},

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"GIGABYTES": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Gigabytes"
    }
},
"TERABYTES": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Terabytes"
    }
},
"BITS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Bits"
    }
},
"KILOBITS": {
    "target": "smithy.api#Unit",
    "traits": {

     "smithy.api#enumValue": "Kilobits"
    }
},
"MEGABITS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Megabits"
    }
},
"GIGABITS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Gigabits"
    }
},
"TERABITS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Terabits"
    }
},
"PERCENT": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Percent"
    }
```

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            },
            "BYTES_PER_SECOND": {
                "target":
"smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Bytes/Second"
                }
            },
            "KILOBYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Kilobytes/Second"
                }
            },
            "MEGABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Megabytes/Second"
                }
            },
            "GIGABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Gigabytes/Second"
                }
            },
            "TERABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {

"smithy.api#enumValue": "Terabytes/Second"
                }
            },
            "BITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Bits/Second"
                }
            },
            "KILOBITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Kilobits/Second"
                }
            },
            "MEGABITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
```

"smithy.api#enumValue": "Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},

"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementUsage": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement usage name. ",
"smithy.api#required": {}
}
},
"ConsumedValue": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Resource usage consumed. ",
"smithy.api#required": {}
}
},
"MaxCount": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Maximum entitlement usage count. "
}
},

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            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementUsageList":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementUsage"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumption": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
```

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}

  }
            },
            "DryRun": {
                "target": "com.amazonaws.licensemanager#Boolean",
                "traits": {
                    "smithy.api#default": false,
                    "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action,
without actually making the request. Provides an error response if you do not have the required permissions.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },

            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
                }
            }
        },
        "traits": {
```

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#FailedDependencyException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
},
"ErrorCode": {
"target": "com.amazonaws.licensemanager#String"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FailedDependency",
"httpResponseCode": 424
},
"smithy.api#documentation":
" A dependency required to run the API is missing. ",
"smithy.api#error": "client",
"smithy.api#httpError": 424
}
},
"com.amazonaws.licensemanager#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#FilterName",
"traits": {
"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only
specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter
name and value pair that is used to return more specific results from a\n describe operation. Filters can be used
to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {

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    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "FilterLimitExceeded",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#FilterList": {
    "type": "list",
     "member": {
        "target": "com.amazonaws.licensemanager#Filter"
    }
},
"com.amazonaws.licensemanager#FilterName": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#FilterValue",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#Filters": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Filter",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#GetAccessToken": {
    "type": "operation",
```

```
        "input": {
            "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
 tokens\n         are valid for one hour.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetAccessTokenRequest": {
        "type": "structure",
        "members": {
            "Token": {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "TokenProperties": {
                "target": "com.amazonaws.licensemanager#MaxSize3StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
                }
            }
        },
        "traits": {
```

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            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetAccessTokenResponse":
{
        "type": "structure",
        "members": {
            "AccessToken": {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Temporary access token.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetGrantResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"

        },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
```

```
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
    "type": "structure",
    "members": {
        "Grant": {
            "target": "com.amazonaws.licensemanager#Grant",
            "traits": {
                "smithy.api#documentation": "<p>Grant details.</p>"
            }
        }
    },
    "traits": {

"smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseRequest"
    },
    "output": {
```

"target": "com.amazonaws.licensemanager#GetLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"

},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},

```
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the specified license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits":
 {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurationId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
                }
            },
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
                }
            },
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>"
                 }
            },
            "Description": {
```

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension for which the licenses are counted. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",

"traits": {
"smithy.api#documentation": " Number of available licenses. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Sets the number of available licenses as a hard limit. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses assigned to resources. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License configuration status. "
}

},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner of the license configuration. "
}

```
            },
            "ConsumedLicenseSummaryList": {
                "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
                "traits": {
                    "smithy.api#documentation": "<p>Summaries of the licenses consumed by resources.</p>"
                }
            },
            "ManagedResourceSummaryList": {
                "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
                "traits": {
                    "smithy.api#documentation": "<p>Summaries of the managed resources.</p>"
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                 "traits": {
                    "smithy.api#documentation": "<p>Tags for the license configuration.</p>"
                }
            },
            "ProductInformationList": {
                "target": "com.amazonaws.licensemanager#ProductInformationList",
                "traits": {
                    "smithy.api#documentation": "<p>Product information.</p>"
                }
            },
            "AutomatedDiscoveryInformation": {
                "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
                "traits": {
                    "smithy.api#documentation": "<p>Automated discovery information.</p>"
                }
            },
            "DisassociateWhenNotFound": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>When
true, disassociates a resource when software is uninstalled.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConversionTask": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
        },
```

"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified license type conversion task. "
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "

```
            }
        },
        "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the resources the license
conversion task is associated with.</p>"
            }
        },
        "SourceLicenseContext": {
            "target": "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
                "smithy.api#documentation": "<p>Information
 about the license type converted from.</p>"
            }
        },
        "DestinationLicenseContext": {
            "target": "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
                "smithy.api#documentation": "<p>Information about the license type converted to.</p>"
            }
        },
        "StatusMessage": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
            "traits": {
                "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
            }
        },

  "StartTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
            }
        },
        "LicenseConversionTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
            }
        },
        "EndTime": {
```

"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was completed. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {

"smithy.api#documentation": " Gets information about the specified report generator. "
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. ",
"smithy.api#required":
{}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"ReportGenerator": {
"target": "com.amazonaws.licensemanager#ReportGenerator",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license configurations. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseResponse": {
"type": "structure",
"members": {
"License": {
"target": "com.amazonaws.licensemanager#License",
"traits": {
"smithy.api#documentation": " License details. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},

"com.amazonaws.licensemanager#GetLicenseUsage": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the usage of the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseUsageRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseUsageResponse": {
"type": "structure",
"members": {
"LicenseUsage": {
"target":
"com.amazonaws.licensemanager#LicenseUsage",
"traits": {
"smithy.api#documentation": " License usage details. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets the License Manager settings for the current Region. "
}
},
"com.amazonaws.licensemanager#GetServiceSettingsRequest": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Regional S3 bucket path for storing reports, license trail event data, discovery data,\n and so on. "

}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " SNS topic configured to receive notifications from License Manager. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Indicates whether Organizations is integrated with License Manager for\n cross-account discovery. "
}
},

"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether cross-account discovery is enabled. "
}

},
"LicenseManagerResourceShareArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource share. The License Manager management account \n provides member accounts with access to this share. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Grant": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}
}
},
"ParentArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",

"smithy.api#required": {}
}
},
"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. ",
"smithy.api#required": {}
}
},
"GrantedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Granted operations. ",
"smithy.api#required": {}
}
},
"Options": {
"target": "com.amazonaws.licensemanager#Options",
"traits": {

"smithy.api#documentation": " The options specified for the grant. "
}
}
},
"traits": {
"smithy.api#documentation":
" Describes a grant. "
}
},
"com.amazonaws.licensemanager#GrantList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Grant"
}
},
"com.amazonaws.licensemanager#GrantStatus": {
"type": "enum",
"members": {
"PENDING_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_WORKFLOW"
}
},
"PENDING_ACCEPT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_ACCEPT"
}
},
"REJECTED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REJECTED"

}
},
"ACTIVE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ACTIVE"
}
},
"FAILED_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED_WORKFLOW"
}

```
            },
            "DELETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DELETED"
                }
            },
            "PENDING_DELETE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_DELETE"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits":
{
                    "smithy.api#enumValue": "DISABLED"
                }
            },
            "WORKFLOW_COMPLETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WORKFLOW_COMPLETED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#GrantedLicense": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>"
                }

  },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product name.</p>"
```

```
            }
        },
        "ProductSKU": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Product SKU.</p>"
            }
        },
        "Issuer": {
            "target": "com.amazonaws.licensemanager#IssuerDetails",
            "traits": {
                "smithy.api#documentation": "<p>Granted license issuer.</p>"
            }
        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Home Region of the granted license.</p>"

         }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>Granted license status.</p>"
            }
        },
        "Validity": {
            "target": "com.amazonaws.licensemanager#DatetimeRange",
            "traits": {
                "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in
ISO8601-UTC format.</p>"
            }
        },
        "Beneficiary": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
            }
        },
        "Entitlements": {
            "target": "com.amazonaws.licensemanager#EntitlementList",
             "traits": {
                "smithy.api#documentation": "<p>License entitlements.</p>"
            }
        },
        "ConsumptionConfiguration": {
            "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
```

"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Granted license metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Creation time of the granted license. "

}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Version of the granted license. "
}
},
"ReceivedMetadata": {
"target": "com.amazonaws.licensemanager#ReceivedMetadata",
"traits": {
"smithy.api#documentation": " Granted license received metadata. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a license that is granted to a grantee. "
}
},
"com.amazonaws.licensemanager#GrantedLicenseList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#GrantedLicense"
}
},
"com.amazonaws.licensemanager#ISO8601DateTime":
{
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},

"smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$"
}
},
"com.amazonaws.licensemanager#Integer": {
"type": "integer"
},
"com.amazonaws.licensemanager#InvalidParameterValueException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidParameterValueProvided",
"httpResponseCode": 400
},
"smithy.api#documentation":
" One or more parameter values are not valid. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#InvalidResourceStateException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidResourceState",
"httpResponseCode": 400
},
"smithy.api#documentation": " License Manager cannot allocate a license to a resource because of its state. \n For example, you cannot allocate a license to an instance in the process of shutting\n down. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},

"com.amazonaws.licensemanager#InventoryFilter": {
"type": "structure",
"members": {

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        "Name": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Name of the filter.</p>",
            "smithy.api#required": {}
          }
        },
        "Condition": {
          "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
          "traits": {
            "smithy.api#documentation": "<p>Condition of the filter.</p>",
            "smithy.api#required": {}
          }
        },
        "Value": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Value of the filter.</p>"
          }
        }

    },
      "traits": {
        "smithy.api#documentation": "<p>An inventory filter.</p>"
      }
    },
    "com.amazonaws.licensemanager#InventoryFilterCondition": {
      "type": "enum",
      "members": {
        "EQUALS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "EQUALS"
          }
        },
        "NOT_EQUALS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "NOT_EQUALS"
          }
        },
        "BEGINS_WITH": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "BEGINS_WITH"
          }
        },
        "CONTAINS": {
```

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CONTAINS"
}
}
}
},
"com.amazonaws.licensemanager#InventoryFilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#InventoryFilter"
}
},
"com.amazonaws.licensemanager#Issuer": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. ",
"smithy.api#required": {}
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the issuer of a license. "
}
},
"com.amazonaws.licensemanager#IssuerDetails": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. "
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer key fingerprint. "
}
}
},
"traits": {
"smithy.api#documentation": " Details associated with the issuer of a license. "
}
},
"com.amazonaws.licensemanager#License": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " License name. "
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " License issuer. "

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            }
        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {

        "smithy.api#documentation": "<p>Home Region of the license.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        },
        "Validity": {
            "target": "com.amazonaws.licensemanager#DatetimeRange",
            "traits": {
                "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>"
            }
        },
        "Beneficiary": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License beneficiary.</p>"
            }
        },
        "Entitlements": {

    "target": "com.amazonaws.licensemanager#EntitlementList",
            "traits": {
                "smithy.api#documentation": "<p>License entitlements.</p>"
            }
        },
        "ConsumptionConfiguration": {
            "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
            }
        },
        "LicenseMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
                "smithy.api#documentation": "<p>License metadata.</p>"
            }
        },
        "CreateTime": {
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"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " License
creation time. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#documentation": " Software license that is managed in License Manager. "
}
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
"type": "structure",
"members": {
"LicenseConfigurationId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Unique ID of the license configuration. "
}
},
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension to use to track the license inventory. "

```
            }
        },
        "LicenseRules": {
            "target": "com.amazonaws.licensemanager#StringList",
            "traits": {
                "smithy.api#documentation": "<p>License rules.</p>"
            }
        },
        "LicenseCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
            }
        },
        "LicenseCountHardLimit": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
                "smithy.api#documentation": "<p>Number of available licenses as a hard limit.</p>"
            }
        },
        "DisassociateWhenNotFound": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
                "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
            }
        },
        "ConsumedLicenses": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of licenses consumed. </p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Status of the license configuration.</p>"
            }
        },
        "OwnerAccountId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Account ID of the license configuration's owner.</p>"

        }
        },
        "ConsumedLicenseSummaryList": {
            "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
```

"traits": {
"smithy.api#documentation": " Summaries for licenses consumed by various resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for managed resources. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {

"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
}
},
"traits": {
"smithy.api#documentation": " A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
"type": "structure",
"members": {
"ResourceArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of server resource. "
}
},

"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Time when the license configuration was associated with the resource. "
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an association with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
}
},
"com.amazonaws.licensemanager#LicenseConfigurationStatus": {
"type": "enum",
"members":
{
"AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISABLED"
}
}

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        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationUsage": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceStatus": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Status of the resource.</p>"
                }
            },
            "ResourceOwnerId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            },
            "AssociationTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time when the license configuration was initially associated with
the resource.</p>"
                }
            },

    "ConsumedLicenses": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about the usage of a resource associated with a license
configuration.</p>"
```

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        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurations": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConfiguration"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionContext": {

  "type": "structure",
        "members": {
            "UsageOperation": {
                "target": "com.amazonaws.licensemanager#UsageOperation",
                "traits": {
                    "smithy.api#documentation": "<p>The Usage operation value that corresponds to the license type you
are converting your resource from.  For more information about which platforms correspond to which usage
operation values see <a href=\"https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/billing-info-
fields.html#billing-info\">Sample data: usage operation by platform\n      </a>\n         </p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTask": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {

      "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the license type conversion task.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource associated
with the license type\n         conversion task.</p>"
                }
```

```
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license type this conversion task converted
from.</p>"
                }
            },
            "DestinationLicenseContext": {
                "target":
 "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
                "traits": {
                    "smithy.api#documentation": "<p>The status of the conversion task.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
                }
            },
            "StartTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation":
 "<p>The time the conversion task was started at.</p>"
                }
            },
            "LicenseConversionTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
                }
            },
            "EndTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
                }
            }
```

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        },
        "traits": {
            "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTaskId": {
        "type": "string",
        "traits": {

       "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
        "type": "enum",
        "members": {
            "IN_PROGRESS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "IN_PROGRESS"
                }
            },
            "SUCCEEDED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "SUCCEEDED"
                }
            },
            "FAILED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTasks":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTask"
        }
    },
    "com.amazonaws.licensemanager#LicenseCountingType": {
        "type": "enum",
```

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    "members": {
      "VCPU": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "vCPU"
        }
      },
      "INSTANCE": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "Instance"
        }
      },
      "CORE": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "Core"
        }
      },
      "SOCKET": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "Socket"
        }
      }
    }
  },
  "com.amazonaws.licensemanager#LicenseDeletionStatus": {
    "type": "enum",
    "members": {
      "PENDING_DELETE": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "PENDING_DELETE"
        }
      },
      "DELETED": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "DELETED"
        }
      }
    }
  },
  "com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#License"
```

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        }
    },
    "com.amazonaws.licensemanager#LicenseOperationFailure": {

        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Resource type.</p>"
                }
            },
            "ErrorMessage": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Error message.</p>"
                }
            },
            "FailureTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {

    "smithy.api#documentation": "<p>Failure time.</p>"
                }
            },
            "OperationName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the operation.</p>"
                }
            },
            "ResourceOwnerId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the
resource.</p>"
                }
            },
            "OperationRequestedBy": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The requester is \"License Manager Automated Discovery\".</p>"
```

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            }
          },
          "MetadataList": {

            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
              "smithy.api#documentation": "<p>Reserved.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Describes the failure of a license operation.</p>"
        }
      },
      "com.amazonaws.licensemanager#LicenseOperationFailureList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#LicenseOperationFailure"
        }
      },
      "com.amazonaws.licensemanager#LicenseSpecification": {
        "type": "structure",
        "members": {
          "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

             "smithy.api#required": {}
            }
          },
          "AmiAssociationScope": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Details for associating a license configuration with a resource.</p>"
        }
      },
      "com.amazonaws.licensemanager#LicenseSpecifications": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#LicenseSpecification"
```

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    }
},
"com.amazonaws.licensemanager#LicenseStatus": {
    "type": "enum",
    "members": {
        "AVAILABLE": {
            "target": "smithy.api#Unit",

        "traits": {
                "smithy.api#enumValue": "AVAILABLE"
            }
        },
        "PENDING_AVAILABLE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_AVAILABLE"
            }
        },
        "DEACTIVATED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DEACTIVATED"
            }
        },
        "SUSPENDED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SUSPENDED"
            }
        },
        "EXPIRED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EXPIRED"
            }
        },

      "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
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            }
        }
    },
    "com.amazonaws.licensemanager#LicenseUsage": {
        "type": "structure",
        "members": {
            "EntitlementUsages": {
                "target": "com.amazonaws.licensemanager#EntitlementUsageList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlement usages.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"

        }
    },
    "com.amazonaws.licensemanager#LicenseUsageException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "LicenseUsageFailure",
                "httpResponseCode": 412
            },
            "smithy.api#documentation": "<p>You do not have enough licenses available to support a new resource
launch.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 412
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
        },
        "output": {

    "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
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            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the resource associations for the
 specified license configuration.</p>\n        <p>Resource associations need not consume licenses from a license
configuration. \n        For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules).</p>"
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results
 to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
```

"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationAssociations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license configuration. "
}
},
"NextToken": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{

"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants distributed for the specified license. "
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
"type": "structure",
"members": {
"GrantArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranteePrincipalARN</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n
\n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},

"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",

"traits": {
"smithy.api#documentation": " Distributed grant details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{

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            "target": "com.amazonaws.licensemanager#ServerInternalException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
        }
      },
      "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
        "type": "structure",
        "members": {
          "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
              "smithy.api#required": {}
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
    {
        "type": "structure",
        "members": {
          "LicenseOperationFailureList": {
            "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
            "traits": {
              "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
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            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseConfigurations": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
        },

    "output": {
          "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists the license configurations
for your account.</p>"
        }
      },
      "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
          "LicenseConfigurationArns": {
            "target": "com.amazonaws.licensemanager#StringList",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
```

configurations. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next
set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical
operators\n are supported: \n \n \n \n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n
\n <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>. \n
\n \n \n <code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
"type": "structure",
"members": {
"LicenseConfigurations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurations",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",

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      "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
    "type": "structure",
    "members": {
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
```

"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " \n Filters to scope the results. Valid filters are <code>ResourceArns</code> and <code>Status</code>.\n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
"type": "structure",
"members": {
"LicenseConversionTasks": {
"target": "com.amazonaws.licensemanager#LicenseConversionTasks",
"traits": {
"smithy.api#documentation": " Information about the license configuration tasks for your account. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the report generators for your account. "
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported:
\n \n \n \n <code>LicenseConfigurationArn</code>\n
\n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}

```
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits":
 {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
        "type": "structure",
        "members": {
            "ReportGenerators": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorList",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }

        }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Describes the license configurations for the specified resource. "
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a resource that has an associated license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {

```
        "LicenseSpecifications": {
            "target": "com.amazonaws.licensemanager#LicenseSpecifications",
            "traits": {
                "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
```

```
        "members": {
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
              "smithy.api#required": {}
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
        "type": "structure",
        "members": {
          "Licenses": {
            "target": "com.amazonaws.licensemanager#LicenseList",
            "traits": {
              "smithy.api#documentation": "<p>License details.</p>"
            }
          },

"NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenses": {
        "type": "operation",
```

```
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicensesRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicensesResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
             },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicensesRequest": {
        "type": "structure",
        "members": {
            "LicenseArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
                }
            },

     "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>Beneficiary</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n                </p>\n            </li>\n
    <li>\n                <p>\n                <code>Fingerprint</code>\n                </p>\n            </li>\n            <li>\n
<p>\n                <code>Status</code>\n                </p>\n            </li>\n        </ul>"
```

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            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token
for the next set of results.</p>"
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicensesResponse": {
        "type": "structure",
        "members": {
          "Licenses": {
            "target": "com.amazonaws.licensemanager#LicenseList",
            "traits": {
              "smithy.api#documentation": "<p>License details.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {

  "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListReceivedGrants": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
```

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        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists grants that are received. Received grants are grants created while
specifying the\n        recipient as this Amazon Web Services account, your organization, or an organizational unit\n
    (OU) to which this member account belongs.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
```

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            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target":
 "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the received license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
    <ul>\n        <li>\n        <p>\n        <code>ParentArn</code>\n        </p>\n        </li>\n
<li>\n        <p>\n        <code>GranteePrincipalArn</code>\n        </p>\n        </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
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            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
{
        "type": "structure",
        "members": {
            "Grants": {
                "target": "com.amazonaws.licensemanager#GrantList",
                "traits": {
                    "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
        "type": "structure",
        "members": {
            "GrantArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                 "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>LicenseIssuerName</code>\n                </p>\n
</li>\n            <li>\n                <p>\n                <code>LicenseArn</code>\n                </p>\n            </li>\n
<li>\n                <p>\n                <code>GrantStatus</code>\n                </p>\n            </li>\n            <li>\n
<p>\n
        <code>GranterAccountId</code>\n                </p>\n            </li>\n        </ul>"
                }
            },
```

```
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
    "type": "structure",
    "members": {
        "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
             "traits": {
                "smithy.api#documentation": "<p>Received grant details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists received licenses.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
```

```
            },
            {

        "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>Beneficiary</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n
            </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#GrantedLicenseList",
```

"traits": {
"smithy.api#documentation": " Lists the licenses the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>IssuerName</code>\n \n \n \n \n <code>Beneficiary</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}

```
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
    "type": "structure",
    "members": {
        "Licenses": {
            "target": "com.amazonaws.licensemanager#GrantedLicenseList",
            "traits": {
                "smithy.api#documentation": "<p>Received license details.</p>"
            }
        },

        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListResourceInventory": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FailedDependencyException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
        },
        {
```

"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists resources managed using Systems Manager inventory. "
}
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#InventoryFilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>account_id</code> - The ID of the Amazon Web Services account that owns the resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n
\n \n \n <code>application_name</code> - The name of the application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n
\n \n \n <code>license_included</code> - The type of license included. \n
Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
\n <code>platform</code> - The platform of the resource.\n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n \n \n \n
<code>resource_id</code> - The ID of the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n
<code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account). \n \n "

```
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListResourceInventoryResponse": {
        "type": "structure",
        "members": {
          "ResourceInventoryList": {
            "target": "com.amazonaws.licensemanager#ResourceInventoryList",
            "traits": {
              "smithy.api#documentation": "<p>Information
about the resources.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListTagsForResource": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
           },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
```

"errors":
[
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists your tokens. "
}
},
"com.amazonaws.licensemanager#ListTokensRequest": {
"type": "structure",
"members": {
"TokenIds": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " Token IDs. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filter is supported: \n
\n \n \n <code>LicenseArns</code>\n \n \n
"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",

"traits": {
"smithy.api#documentation":
" Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListTokensResponse": {
"type": "structure",
"members": {
"Tokens": {
"target": "com.amazonaws.licensemanager#TokenList",
"traits": {
"smithy.api#documentation": " Received token details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"

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            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
             {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying license\n        consumption details by resource at a selected point in time. Use this action to audit the\n        current license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
             "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n <code>resourceArn</code> - The ARN of the license configuration resource.\n            Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n <li>\n                <p>\n                <code>resourceType</code> - The resource type
```

(<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
"type": "structure",
"members": {

"LicenseConfigurationUsageList": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Location": {
"type": "string"
},
"com.amazonaws.licensemanager#Long": {
"type": "long"
},
"com.amazonaws.licensemanager#ManagedResourceSummary": {
"type": "structure",
"members": {
"ResourceType":
{
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of resource associated with a license. "
}

```
        },
        "AssociationCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
    }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
    }
},
"com.amazonaws.licensemanager#MaxSize100": {

"type": "integer",
    "traits": {
        "smithy.api#range": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " The key name. "
}
},

"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The value. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes key/value pairs. "
}
},
"com.amazonaws.licensemanager#MetadataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Metadata"
}
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n

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</li>\n <li>\n <p>As a grantor, you can optionally specify an\n
<code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your
organization.</p>\n </li>\n <li>\n <p>As a grantee, if the grantor creating the distributed
grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one
when you\n are activating the grant.</p>\n </li>\n </ul>\n <dl>\n
<dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n <p>Use this value to activate a grant
without replacing any member accounts\n active grants for the same product.</p>\n </dd>\n
<dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n <p>Use this value to activate a
grant and disable other active grants in any\n member accounts
 for the same product. This action will also replace their\n previously activated grants with this activated
grant.</p>\n </dd>\n </dl>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The options you can specify when you create a new version of a grant,
such as activation\n override behavior. For more information, see <a
href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in
License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
      },
      "com.amazonaws.licensemanager#OrganizationConfiguration": {
        "type": "structure",
        "members": {
          "EnableIntegration": {
            "target": "com.amazonaws.licensemanager#Boolean",
            "traits": {
              "smithy.api#default": false,
              "smithy.api#documentation":
 "<p>Enables Organizations integration.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Configuration information for Organizations.</p>"
        }
      },
      "com.amazonaws.licensemanager#PrincipalArnList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#Arn"
        },
        "traits": {
          "smithy.api#length": {
            "min": 1,
            "max": 1
          }
```

}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Resource type. The possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a <code>ProductInformationFilterComparator</code> which is a logical operator, a <code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. \n The following filters and are supported when the resource type \n is <code>SSM_MANAGED</code>: \n \n \n \n <code>Application Name</code> - The name of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Publisher</code> - The publisher of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n \n \n \n \n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n \n \n <code>License Included</code> - The type of license included.\n Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are: <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n The following filters and logical operators are supported when the resource type\n is <code>RDS</code>: \n \n \n \n <code>Engine Edition</code> - The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>. \n \n \n \n <code>License Pack</code> - The license

pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n
<code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n
\n ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information for a license configuration. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
"type": "structure",
"members": {
"ProductInformationFilterName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Filter name. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterValue": {
"target": "com.amazonaws.licensemanager#StringList",

"traits": {
"smithy.api#documentation": " Filter value. "
}
},
"ProductInformationFilterComparator": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Logical operator. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information filters. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ProductInformationFilter"
}
},
"com.amazonaws.licensemanager#ProductInformationList": {

"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ProductInformation"
}
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
"type": "structure",
"members": {
"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the provisional configuration, in minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "RateLimitExceeded",
"httpResponseCode": 429
},
"smithy.api#documentation": " Too many requests have been submitted. Try again after a brief wait. ",
"smithy.api#error": "client",
"smithy.api#httpError": 429
}
},
"com.amazonaws.licensemanager#ReceivedMetadata": {
"type": "structure",
"members": {
"ReceivedStatus": {
"target": "com.amazonaws.licensemanager#ReceivedStatus",
"traits": {
"smithy.api#documentation": " Received status. "
}
},
"ReceivedStatusReason": {

"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Received
status reason. "
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations. "
}
}
},
"traits": {
"smithy.api#documentation": " Metadata associated with received licenses and grants. "
}
},
"com.amazonaws.licensemanager#ReceivedStatus": {
"type": "enum",
"members": {
"PENDING_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_WORKFLOW"
}
},
"PENDING_ACCEPT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"PENDING_ACCEPT"
}
},
"REJECTED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REJECTED"
}
},
"ACTIVE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ACTIVE"
}
},
"FAILED_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {

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            "smithy.api#enumValue": "FAILED_WORKFLOW"
          }
        },
        "DELETED": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "DELETED"
          }
        },
        "DISABLED": {
          "target": "smithy.api#Unit",
           "traits": {
            "smithy.api#enumValue": "DISABLED"
          }
        },
        "WORKFLOW_COMPLETED": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "WORKFLOW_COMPLETED"
          }
        }
      }
    },
    "com.amazonaws.licensemanager#RedirectException": {
      "type": "structure",
      "members": {
        "Location": {
          "target": "com.amazonaws.licensemanager#Location",
          "traits": {
            "smithy.api#httpHeader": "Location"
          }
        },
        "Message": {
          "target": "com.amazonaws.licensemanager#Message"
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
         "smithy.api#error": "client",
        "smithy.api#httpError": 308
      }
    },
    "com.amazonaws.licensemanager#RejectGrant": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#RejectGrantRequest"
      },
      "output": {
```

"target": "com.amazonaws.licensemanager#RejectGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Rejects the specified grant. "
}
},
"com.amazonaws.licensemanager#RejectGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}

}
},
"com.amazonaws.licensemanager#RejectGrantResponse": {
"type": "structure",

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        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
              "smithy.api#documentation": "<p>Grant status.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Grant version.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#RenewType":
{
        "type": "enum",
        "members": {
          "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "None"
            }
          },
          "WEEKLY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Weekly"
            }
          },
          "MONTHLY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Monthly"
            }
          }
        }
      },
```

"com.amazonaws.licensemanager#ReportContext": {
"type": "structure",
"members": {
"licenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "
}
},
"period": {
"target": "com.amazonaws.licensemanager#ReportFrequencyType",

"traits": {
"smithy.api#documentation": " Time period between each report. The period can be daily, weekly, or monthly. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
"type": "enum",
"members": {
"DAY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DAY"
}

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            },
            "WEEK": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WEEK"
                }
            },
            "MONTH": {
                "target": "smithy.api#Unit",
                "traits":
{
                    "smithy.api#enumValue": "MONTH"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#ReportGenerator": {
        "type": "structure",
        "members": {
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>"
                }
            },
            "ReportType": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports that are generated.</p>"
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
                    "smithy.api#documentation": "<p>License
configuration type for this generator.</p>"
                }
            },
            "ReportFrequency": {
                "target": "com.amazonaws.licensemanager#ReportFrequency",
                "traits": {
                    "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
                }
            },
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>"
```

```
            }
        },
        "LastRunStatus": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Status of the last report generation attempt.</p>"
            }
        },
        "LastRunFailureReason":
 {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
            }
        },
        "LastReportGenerationTime": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
            }
        },
        "ReportCreatorAccount": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report
generator.</p>"
            }
        },
        "Description": {
            "target": "com.amazonaws.licensemanager#String",

      "traits": {
                "smithy.api#documentation": "<p>Description of the report generator.</p>"
            }
        },
        "S3Location": {
            "target": "com.amazonaws.licensemanager#S3Location",
            "traits": {
                "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
            }
        },
        "CreateTime": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Time the report was created.</p>"
            }
        },
```

"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags associated with the report generator. "
}

}
},
"traits": {
"smithy.api#documentation": " Describe the details of a report generator. "
}
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ReportGenerator"
}
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}
}
},
"com.amazonaws.licensemanager#ReportType": {
"type": "enum",
"members": {
"LICENSE_CONFIGURATION_SUMMARY_REPORT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "LicenseConfigurationSummaryReport"
}

},
"LICENSE_CONFIGURATION_USAGE_REPORT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "LicenseConfigurationUsageReport"
}
}
}
},
"com.amazonaws.licensemanager#ReportTypeList": {
"type": "list",
"member": {

```
            "target": "com.amazonaws.licensemanager#ReportType"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventory": {
        "type": "structure",
        "members": {
            "ResourceId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "Platform": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform of the resource.</p>"
                }
            },
            "PlatformVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
                }
            },
            "ResourceOwningAccountId":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a resource.</p>"
        }
```

```
},
"com.amazonaws.licensemanager#ResourceInventoryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ResourceInventory"
    }
},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "ResourceLimitExceeded",

         "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
     "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
```

"smithy.api#enumValue": "EC2_INSTANCE"
}
},
"EC2_HOST": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_HOST"
}
},
"EC2_AMI": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_AMI"
}
},
"RDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "RDS"
}
},
"SYSTEMS_MANAGER_MANAGED_INSTANCE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
}
}
}
},
"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "

```
        }
    },
    "com.amazonaws.licensemanager#ServerInternalException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InternalError",
                "httpResponseCode": 500
            },
            "smithy.api#documentation": "<p>The server experienced an internal error. Try again.</p>",
            "smithy.api#error": "server",
            "smithy.api#httpError": 500
        }
    },
    "com.amazonaws.licensemanager#SignedToken": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 4096
            }
        }
    },
    "com.amazonaws.licensemanager#StatusReasonMessage": {
        "type": "string",
        "traits":
{
            "smithy.api#length": {
                "min": 0,
                "max": 400
            },
            "smithy.api#pattern": "^[\\s\\S]+$"
        }
    },
    "com.amazonaws.licensemanager#String": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#StringList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#Tag": {
```

"type": "structure",
"members": {
"Key": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Tag key. "
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation":
" Tag value. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about a tag for a license configuration. "
}
},
"com.amazonaws.licensemanager#TagKeyList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#String"
}
},
"com.amazonaws.licensemanager#TagList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Tag"
}
},
"com.amazonaws.licensemanager#TagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#TagResourceResponse"
},
"errors": [
{
"target":
"com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},

```
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>One or more tags.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
        "members": {
```

"TokenId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token ID. "
}
},
"TokenType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Type of token generated. The supported value is <code>REFRESH_TOKEN</code>. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"ExpirationTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Token expiration time, in ISO8601-UTC format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#TokenData"
}
},
"com.amazonaws.licensemanager#TokenString": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 4096
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#TokenType": {
"type": "enum",
"members": {
"REFRESH_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REFRESH_TOKEN"
}
}
}
},
"com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The digital signature method is unsupported. Try your request again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#UntagResource": {
"type": "operation",

"input": {
"target": "com.amazonaws.licensemanager#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Removes the specified tags from the specified license configuration. "
}
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanager#TagKeyList",
"traits": {
"smithy.api#documentation": " Keys identifying the tags to remove. ",
"smithy.api#required": {}
}
}
},
"traits": {

```
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UntagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
        },
        "output": {

"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
         }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"LicenseConfigurationStatus": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
"traits": {
"smithy.api#documentation": " New status of the license configuration. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " New license rule. The only rule that you can add after you create a license\n configuration is licenseAffinityToHost. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",

"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

```
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to update.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types are supported:</p>\n        <ul>\n            <li>\n                <p>License configuration report - Reports the number and details of consumed licenses for a license configuration.</p>\n            </li>\n            <li>\n                <p>Resource report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n            </li>\n        </ul>",
                    "smithy.api#required": {}
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
```

"smithy.api#documentation": " The report context. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },

            {
                "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
            },
            {
                "target": "com.amazonaws.licensemanager#LicenseUsageException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified
Amazon Web Services resource.</p>\n        <p>You can update the license specifications of AMIs, instances, and
hosts.\n        You cannot update the license specifications for launch templates and CloudFormation templates, \n
 as they send license configurations to the operation that creates the resource.</p>"
        }
    },

    "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services
resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "AddLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
                }
            },
```

"RemoveLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation":
" ARNs of the license configurations to remove. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Updates License Manager settings for the current Region. "
}
},

"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
Manager information is stored. "
}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Enables integration with Organizations for cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Activates cross-account discovery. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UsageOperation": {
"type": "string",
"traits": {
"smithy.api#length": {

"min": 0,
"max": 50
}
}
},
"com.amazonaws.licensemanager#ValidationException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The provided input is not valid. Try your request again. ",

"smithy.api#error": "client",
"smithy.api#httpError": 400
}
}
}
}

1.6598 pandas 2.2.3

1.6598.1 Available under license :

No license file was found, but licenses were detected in source scan.

Metadata-Version: 2.1
Name: gspread-pandas
Version: 2.2.3
Summary: A package to easily open an instance of a Google spreadsheet and interact with worksheets through Pandas DataFrames.
Home-page: https://github.com/aiguofer/gspread-pandas
Author: Diego Fernandez
Author-email: aiguo.fernandez@gmail.com
License: BSD
Download-URL: https://github.com/aiguofer/gspread-pandas/tarball/v2.2.3
Description: ==========
Getting Started
==========

.. image:: https://img.shields.io/pypi/v/gspread-pandas.svg
:target: https://pypi.python.org/pypi/gspread-pandas
:alt: PyPI Version

.. image:: https://img.shields.io/travis/aiguofer/gspread-pandas.svg
:target: https://travis-ci.org/aiguofer/gspread-pandas

:alt: Travis-CI Build Status

.. image:: https://readthedocs.org/projects/gspread-pandas/badge/?version=latest
:target: https://gspread-pandas.readthedocs.io/en/latest/?badge=latest
:alt: Documentation Status

author: Diego Fernandez

Links:

- `Documentation <http://gspread-pandas.readthedocs.io/>`_
- `Source code <https://github.com/aiguofer/gspread-pandas>`_
- `Short video tutorial <https://youtu.be/2yIcNYzfzPw>`_

.. attention:: Upgrading from < 2.0

If you are upgrading, the ``user`` is now an optional param that
uses ``default`` as the default. If you're a single user, you might
want to re-name your credentials to ``default`` so you can stop
specifying it:

.. code-block:: console

mv ~/.config/gspread_pandas/creds{<old_name>,default}

Overview
========

A package to easily open an instance of a Google spreadsheet and

interact with worksheets through Pandas DataFrames. It enables you to
easily pull data from Google spreadsheets into DataFrames as well as
push data into spreadsheets from DataFrames. It leverages
`gspread <https://github.com/burnash/gspread/>`__ in the backend for
most of the heavylifting, but it has a lot of added functionality
to handle things specific to working with DataFrames as well as
some extra nice to have features.

The target audience are Data Analysts and Data Scientists, but it can also
be used by Data Engineers or anyone trying to automate workflows with Google
Sheets and Pandas.

Some key goals/features:

- Be easy to use interactively, with good docstrings and auto-completion
- Nicely handle headers and indexes (including multi-level headers and merged cells)
- Run on Jupyter, headless server, and/or scripts
- Allow storing different

user credentials or using Service Accounts

- Automatically handle token refreshes
- Enable handling of frozen rows and columns
- Enable filling in all merged cells when pulling data
- Nicely handle large data sets and auto-retries
- Enable creation of filters
- Handle retries when exceeding 100 second user quota
- When pushing DataFrames with MultiIndex columns, allow merging or flattening headers
- Ability to handle Spreadsheet permissions
- Ability to specify ``ValueInputOption`` and ``ValueRenderOption`` for specific columns

Installation / Usage
==========

To install use pip:

.. code-block:: console

$ pip install gspread-pandas

Or clone the repo:

.. code-block:: console

$ git clone https://github.com/aiguofer/gspread-pandas.git
$ python setup.py
install

Before using, you will need to download Google client credentials for
your app.

Client Credentials

To allow a script to use Google Drive API we need to authenticate our
self towards Google. To do so, we need to create a project, describing
the tool and generate credentials. Please use your web browser and go to
`Google console <https://console.developers.google.com/>`__ and :

- Choose **Create Project** in popup menu on the top.
- A dialog box appears, so give your project a name and click on
  Create button.
- On the left-side menu click on **API Manager**.
- A table of available APIs is shown. Switch **Drive API** and click on
  Enable API button. Do the same for **Sheets API**. Other APIs might
  be switched off, for our purpose.
- On the left-side menu click on **Credentials**.

- In section **OAuth consent screen** select your email address and give your product a name. Then click on **Save** button.
- In section **Credentials** click on **Add credentials** and switch **OAuth client ID** (if you want to use your own account or enable the use of multiple accounts) or **Service account key** (if you prefer to have a service account interacting with spreadsheets).
- If you select **OAuth client ID**:

  - Select **Application type** item as **Other** and give it a name.
  - Click on **Create** button.
  - Click on **Download JSON** icon on the right side of created **OAuth client IDs** and store the downloaded file on your file system.
- If you select **Service account key**

  - Click on **Service account** dropdown and select **New service account**
  - Give it a **Service account name** and ignore the **Role** dropdown (unless you know you need this for something else, it's not necessary for working with spreadsheets)
  - Note the **Service account ID** as you might need to give that user permission to interact with your spreadsheets
  - Leave **Key type** as **JSON**
  - Click **Create** and store the downloaded file on your file system.
- Please be aware, the file contains your private credentials, so take care of the file in the same way you care of your private SSH key;
  Move the downloaded JSON to ``~/.config/gspread_pandas/google_secret.json``
  (or you can configure the directory and file name by directly calling
  ``gspread_pandas.conf.get_config``

Thanks to similar project
`df2gspread <https://github.com/maybelinot/df2gspread>`__ for this great
description of how to get the client credentials.

You can read more about it in the `configuration docs
<https://gspread-pandas.readthedocs.io/en/latest/configuration.html>`__
including how to change the default behavior.

Example
=======

.. code:: python

```
from __future__ import print_function
import pandas as pd
from gspread_pandas import Spread, Client
```

```
    file_name = "http://stats.idre.ucla.edu/stat/data/binary.csv"
    df = pd.read_csv(file_name)

    # 'Example Spreadsheet' needs to already exist and your user must have access to it
    spread = Spread('Example Spreadsheet')
    # This will ask to authenticate if you haven't done so before

    # Display available worksheets
    spread.sheets

    # Save DataFrame to worksheet 'New Test Sheet', create it first if it doesn't exist
    spread.df_to_sheet(df, index=False, sheet='New
 Test Sheet', start='A2', replace=True)
    spread.update_cells('A1', 'A1', ['Created by:', spread.email])
    print(spread)
    # <gspread_pandas.client.Spread - User: '<example_user>@gmail.com', Spread: 'Example Spreadsheet',
Sheet: 'New Test Sheet'>

    # You can now first instanciate a Client separately and query folders and
    # instanciate other Spread objects by passing in the Client
    client = Client()
    # Assumming you have a dir called 'example dir' with sheets in it
    available_sheets = client.find_spreadsheet_files_in_folders('example dir')
    spreads = []
    for sheet in available_sheets.get('example dir', []):
        spreads.append(Spread(sheet['id'], client=client))

Troubleshooting
===============

SSL Error
---------

If you're getting an SSL related error or can't seem to be able to open existing

spreadsheets that you have access to, you might be running into an issue caused by
``certifi``. This has mainly been experienced on RHEL and CentOS running Python 2.7.
You can read more about it in `issue 223
<https://github.com/burnash/gspread/issues/223>`_
and `issue 354 <https://github.com/burnash/gspread/issues/354>`_ but, in short, the
solution is to either install a specific version of ``certifi`` that works for you,
or remove it altogether.

.. code-block:: console

   pip install certifi==2015.4.28

or
```

.. code-block:: console

pip uninstall certifi

EOFError in Rodeo

If you're trying to use ``gspread_pandas`` from within
`Rodeo <https://www.yhat.com/products/rodeo>`_ you might get an
``EOFError: EOF when reading a line`` error when trying to pass in the verification

code. The workaround for this is to first verify your account in a regular shell.
Since you're just doing this to get your Oauth token, the spreadsheet doesn't need
to be valid. Just run this in shell:

.. code:: python

python -c "from gspread_pandas import Spread; Spread('<user_key>','')"

Then follow the instructions to create and store the OAuth creds.

Keywords: gspread pandas google spreadsheets
Platform: UNKNOWN
Classifier: Development Status :: 4 - Beta
Classifier: Intended Audience :: Developers
Classifier: Intended Audience :: Science/Research
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Provides-Extra: dev

Found in path(s):
* /opt/cola/permits/2309135808_1736207761.292804/0/gspread-pandas-2-2-3-1-tar-gz/gspread-pandas-2.2.3/gspread_pandas.egg-info/PKG-INFO
* /opt/cola/permits/2309135808_1736207761.292804/0/gspread-pandas-2-2-3-1-tar-gz/gspread-pandas-2.2.3/PKG-INFO
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/2309135808_1736207761.292804/0/gspread-pandas-2-2-3-1-tar-gz/gspread-pandas-2.2.3/LICENSE.rst

1.6599 patternmatcher 0.6.0

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package compute_test

```
import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
 "google.golang.org/api/iterator"
)

func ExampleNewLicensesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
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 require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicensesClient_Delete() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.DeleteLicenseRequest{
  //
 TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
 }
 op, err := c.Delete(ctx, req)
 if err != nil {
  // TODO: Handle error.
```

```
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
 }
 resp,
 err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetIamPolicyLicenseRequest{
```

```
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetIamPolicyLicenseRequest.
 }
 resp, err := c.GetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_Insert()
 {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.InsertLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
 }
 op, err := c.Insert(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_List() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template
 only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
```

```
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.ListLicensesRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
}
it := c.List(ctx, req)
for {
 resp, err := it.Next()
 if err == iterator.Done {
  break
 }
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp

 // If you need to access the underlying RPC response,
 // you can do so by casting the `Response` as below.
 // Otherwise, remove this line. Only populated after
 // first call to Next(). Not safe for concurrent access.
 _ = it.Response.(*computepb.LicensesListResponse)
}
}

func
 ExampleLicensesClient_SetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.SetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
 }
```

```
 resp, err := c.SetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically
 generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
 }
 resp, err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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```

```
package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleNewLicenseCodesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 //
 - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicenseCodesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseCodeRequest{
  // TODO: Fill request
 struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
 }
 resp, err := c.Get(ctx, req)
 if err != nil {
```

```
 // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseCodeRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
 }
 resp,
 err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
```

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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
// protoc-gen-go v1.34.2
// protoc v4.25.3
// source: google/ai/generativelanguage/v1beta/permission.proto

```
package generativelanguagepb

import (
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
)

const
 (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Defines types of the grantee of this permission.
type Permission_GranteeType int32

const (
 // The default value. This value is unused.
 Permission_GRANTEE_TYPE_UNSPECIFIED Permission_GranteeType = 0
 // Represents a user. When set, you must provide email_address for the user.
 Permission_USER Permission_GranteeType = 1
 // Represents a group. When set, you must provide email_address for the
 // group.
 Permission_GROUP Permission_GranteeType = 2
 // Represents access to everyone. No extra information is required.
 Permission_EVERYONE Permission_GranteeType = 3
)

// Enum value maps for Permission_GranteeType.
var (
 Permission_GranteeType_name = map[int32]string{
  0: "GRANTEE_TYPE_UNSPECIFIED",
  1: "USER",
  2:
 "GROUP",
  3: "EVERYONE",
 }
 Permission_GranteeType_value = map[string]int32{
  "GRANTEE_TYPE_UNSPECIFIED": 0,
  "USER":                     1,
  "GROUP":                    2,
```

```
  "EVERYONE":                 3,
 }
)

func (x Permission_GranteeType) Enum() *Permission_GranteeType {
 p := new(Permission_GranteeType)
 *p = x
 return p
}

func (x Permission_GranteeType) String() string {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_GranteeType) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0].Descriptor()
}

func (Permission_GranteeType) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0]
}

func (x Permission_GranteeType) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_GranteeType.Descriptor instead.
func (Permission_GranteeType) EnumDescriptor() ([]byte,
 []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 0}
}

// Defines the role granted by this permission.
type Permission_Role int32

const (
 // The default value. This value is unused.
 Permission_ROLE_UNSPECIFIED Permission_Role = 0
 // Owner can use, update, share and delete the resource.
 Permission_OWNER Permission_Role = 1
 // Writer can use, update and share the resource.
 Permission_WRITER Permission_Role = 2
 // Reader can use the resource.
 Permission_READER Permission_Role = 3
)

// Enum value maps for Permission_Role.
var (
```

```
 Permission_Role_name = map[int32]string{
  0: "ROLE_UNSPECIFIED",
  1: "OWNER",
  2: "WRITER",
  3: "READER",
 }
 Permission_Role_value = map[string]int32{
  "ROLE_UNSPECIFIED": 0,
  "OWNER":            1,
  "WRITER":           2,
  "READER":           3,
 }
)

func (x Permission_Role) Enum() *Permission_Role {
 p := new(Permission_Role)
 *p = x
 return p
}

func (x Permission_Role) String() string {
 return
 protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_Role) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1].Descriptor()
}

func (Permission_Role) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1]
}

func (x Permission_Role) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_Role.Descriptor instead.
func (Permission_Role) EnumDescriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 1}
}

// Permission resource grants user, group or the rest of the world access to the
// PaLM API resource (e.g. a tuned model, corpus).
//
// A role is a collection of permitted operations that allows users to perform
// specific actions on PaLM API resources. To make them available to users,
// groups, or service accounts,
```

```
 you assign roles. When you assign a role, you
// grant permissions that the role contains.
//
// There are three concentric roles. Each role is a superset of the previous
// role's permitted operations:
//
// - reader can use the resource (e.g. tuned model, corpus) for inference
// - writer has reader's permissions and additionally can edit and share
// - owner has writer's permissions and additionally can delete
type Permission struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Output only. Identifier. The permission name. A unique name will be
 // generated on create. Examples:
 //
 // tunedModels/{tuned_model}/permissions/{permission}
 // corpora/{corpus}/permissions/{permission}
 //
 // Output only.
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Optional. Immutable. The type of the grantee.
 GranteeType *Permission_GranteeType
`protobuf:"varint,2,opt,name=grantee_type,json=granteeType,proto3,enum=google.ai.generativelanguage.v1beta.Pe
rmission_GranteeType,oneof"
 json:"grantee_type,omitempty"`
 // Optional. Immutable. The email address of the user of group which this
 // permission refers. Field is not set when permission's grantee type is
 // EVERYONE.
 EmailAddress *string `protobuf:"bytes,3,opt,name=email_address,json=emailAddress,proto3,oneof"
json:"email_address,omitempty"`
 // Required. The role granted by this permission.
 Role *Permission_Role
`protobuf:"varint,4,opt,name=role,proto3,enum=google.ai.generativelanguage.v1beta.Permission_Role,oneof"
json:"role,omitempty"`
}

func (x *Permission) Reset() {
 *x = Permission{}
 if protoimpl.UnsafeEnabled {
  mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  ms.StoreMessageInfo(mi)
 }
}

func (x *Permission) String() string {
```

```
 return protoimpl.X.MessageStringOf(x)
}

func (*Permission) ProtoMessage() {}

func (x *Permission)
 ProtoReflect() protoreflect.Message {
 mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
 if protoimpl.UnsafeEnabled && x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use Permission.ProtoReflect.Descriptor instead.
func (*Permission) Descriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0}
}

func (x *Permission) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *Permission) GetGranteeType() Permission_GranteeType {
 if x != nil && x.GranteeType != nil {
  return *x.GranteeType
 }
 return Permission_GRANTEE_TYPE_UNSPECIFIED
}

func (x *Permission) GetEmailAddress() string {
 if x != nil && x.EmailAddress != nil {
  return *x.EmailAddress
 }
 return ""
}

func (x *Permission) GetRole() Permission_Role {
 if x != nil && x.Role
 != nil {
  return *x.Role
```

```
 }
 return Permission_ROLE_UNSPECIFIED
}

var File_google_ai_generativelanguage_v1beta_permission_proto protoreflect.FileDescriptor

var file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = []byte{
 0x0a, 0x34, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x23, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x1a, 0x1f, 0x67, 0x6f, 0x6f,
 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x62, 0x65,
 0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a,
 0x19, 0x67, 0x6f,
 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75, 0x72, 0x63,
 0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0x85, 0x05, 0x0a, 0x0a, 0x50, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x1a, 0x0a, 0x04, 0x6e, 0x61, 0x6d, 0x65, 0x18, 0x01,
 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x03, 0xe0, 0x41, 0x08, 0x52, 0x04, 0x6e, 0x61,
 0x6d, 0x65, 0x12, 0x6b, 0x0a, 0x0c, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f, 0x74, 0x79,
 0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0e, 0x32, 0x3b, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c,
 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65,
 0x65, 0x54, 0x79, 0x70, 0x65, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x00, 0x52,
 0x0b, 0x67,
 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x88, 0x01, 0x01, 0x12,
 0x30, 0x0a, 0x0d, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73,
 0x18, 0x03, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x01,
 0x52, 0x0c, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x41, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73, 0x88, 0x01,
 0x01, 0x12, 0x52, 0x0a, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x18, 0x04, 0x20, 0x01, 0x28, 0x0e, 0x32,
 0x34, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x52, 0x6f, 0x6c, 0x65, 0x42, 0x03, 0xe0, 0x41, 0x02, 0x48, 0x02, 0x52, 0x04, 0x72, 0x6f,
 0x6c, 0x65, 0x88, 0x01, 0x01, 0x22, 0x4e, 0x0a, 0x0b, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65,
 0x54, 0x79, 0x70, 0x65, 0x12, 0x1c, 0x0a,
 0x18, 0x47, 0x52, 0x41, 0x4e, 0x54, 0x45, 0x45, 0x5f,
 0x54, 0x59, 0x50, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45, 0x44,
 0x10, 0x00, 0x12, 0x08, 0x0a, 0x04, 0x55, 0x53, 0x45, 0x52, 0x10, 0x01, 0x12, 0x09, 0x0a, 0x05,
 0x47, 0x52, 0x4f, 0x55, 0x50, 0x10, 0x02, 0x12, 0x0c, 0x0a, 0x08, 0x45, 0x56, 0x45, 0x52, 0x59,
 0x4f, 0x4e, 0x45, 0x10, 0x03, 0x22, 0x3f, 0x0a, 0x04, 0x52, 0x6f, 0x6c, 0x65, 0x12, 0x14, 0x0a,
 0x10, 0x52, 0x4f, 0x4c, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45,
 0x44, 0x10, 0x00, 0x12, 0x09, 0x0a, 0x05, 0x4f, 0x57, 0x4e, 0x45, 0x52, 0x10, 0x01, 0x12, 0x0a,
 0x0a, 0x06, 0x57, 0x52, 0x49, 0x54, 0x45, 0x52, 0x10, 0x02, 0x12, 0x0a, 0x0a, 0x06, 0x52, 0x45,
 0x41, 0x44, 0x45, 0x52, 0x10, 0x03, 0x3a, 0xaa, 0x01, 0xea, 0x41, 0xa6, 0x01, 0x0a, 0x2c, 0x67,
 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67,
```

```
 0x65, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73,
 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x32, 0x74, 0x75, 0x6e,
 0x65, 0x64, 0x4d, 0x6f, 0x64, 0x65, 0x6c, 0x73, 0x2f, 0x7b, 0x74, 0x75, 0x6e, 0x65, 0x64, 0x5f,
 0x6d, 0x6f, 0x64, 0x65, 0x6c, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f,
 0x6e, 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x12,
 0x29, 0x63, 0x6f, 0x72, 0x70, 0x6f, 0x72, 0x61, 0x2f, 0x7b, 0x63, 0x6f, 0x72, 0x70, 0x75, 0x73,
 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x2f, 0x7b, 0x70,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x2a, 0x0b, 0x70, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x32, 0x0a, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73,
 0x69, 0x6f, 0x6e, 0x42, 0x0f, 0x0a, 0x0d, 0x5f, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f,
 0x74, 0x79, 0x70, 0x65, 0x42, 0x10, 0x0a, 0x0e, 0x5f, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61,
 0x64,
 0x64, 0x72, 0x65, 0x73, 0x73, 0x42, 0x07, 0x0a, 0x05, 0x5f, 0x72, 0x6f, 0x6c, 0x65, 0x42,
 0x9b, 0x01, 0x0a, 0x27, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x42, 0x0f, 0x50, 0x65, 0x72,
 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x50, 0x01, 0x5a, 0x5d,
 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x67, 0x6f, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76,
 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x76, 0x31, 0x62,
 0x65, 0x74, 0x61, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61,
 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x3b, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74,
 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e,
 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x62, 0x06, 0x70,
 0x72, 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce sync.Once
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc
)

func file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP() []byte {
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce.Do(func() {
  file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData)
 })
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData
}

var file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes = make([]protoimpl.EnumInfo, 2)
var file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes = make([]protoimpl.MessageInfo, 1)
var file_google_ai_generativelanguage_v1beta_permission_proto_goTypes
 = []any{
 (Permission_GranteeType)(0), // 0: google.ai.generativelanguage.v1beta.Permission.GranteeType
 (Permission_Role)(0),        // 1: google.ai.generativelanguage.v1beta.Permission.Role
```

```
 (*Permission)(nil),          // 2: google.ai.generativelanguage.v1beta.Permission
}
var file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = []int32{
 0, // 0: google.ai.generativelanguage.v1beta.Permission.grantee_type:type_name ->
google.ai.generativelanguage.v1beta.Permission.GranteeType
 1, // 1: google.ai.generativelanguage.v1beta.Permission.role:type_name ->
google.ai.generativelanguage.v1beta.Permission.Role
 2, // [2:2] is the sub-list for method output_type
 2, // [2:2] is the sub-list for method input_type
 2, // [2:2] is the sub-list for extension type_name
 2, // [2:2] is the sub-list for extension extendee
 0, // [0:2] is the sub-list for field type_name
}

func init() { file_google_ai_generativelanguage_v1beta_permission_proto_init() }
func
 file_google_ai_generativelanguage_v1beta_permission_proto_init() {
 if File_google_ai_generativelanguage_v1beta_permission_proto != nil {
  return
 }
 if !protoimpl.UnsafeEnabled {
  file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].Exporter = func(v any, i int) any {
   switch v := v.(*Permission); i {
   case 0:
    return &v.state
   case 1:
    return &v.sizeCache
   case 2:
    return &v.unknownFields
   default:
    return nil
   }
  }
 }
 file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].OneofWrappers = []any{}
 type x struct{}
 out := protoimpl.TypeBuilder{
  File: protoimpl.DescBuilder{
   GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
   RawDescriptor: file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc,
   NumEnums:      2,
   NumMessages:   1,
   NumExtensions: 0,
   NumServices:   0,
  },
  GoTypes:           file_google_ai_generativelanguage_v1beta_permission_proto_goTypes,
  DependencyIndexes: file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs,
  EnumInfos:
```

```
        file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes,
 MessageInfos:      file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes,
 }.Build()
 File_google_ai_generativelanguage_v1beta_permission_proto = out.File
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_goTypes = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = nil
}
// Copyright 2024 Google LLC
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute

import (
 "bytes"
 "context"
 "fmt"
 "io"
 "math"
 "net/http"
 "net/url"
 "time"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/googleapi"
 "google.golang.org/api/iterator"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport
 "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/protobuf/encoding/protojson"
 "google.golang.org/protobuf/proto"
)
```

```
var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
 Delete            []gax.CallOption
 Get               []gax.CallOption
 GetIamPolicy      []gax.CallOption
 Insert            []gax.CallOption
 List              []gax.CallOption
 SetIamPolicy      []gax.CallOption
 TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
 return &LicensesCallOptions{
  Delete: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  Get: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  GetIamPolicy:
 []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  Insert: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  List: []gax.CallOption{
```

```
  gax.WithTimeout(600000 * time.Millisecond),
  gax.WithRetry(func() gax.Retryer {
   return gax.OnHTTPCodes(gax.Backoff{
    Initial:    100 * time.Millisecond,
    Max:        60000 * time.Millisecond,
    Multiplier: 1.30,
   },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
  }),
 },
 SetIamPolicy: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
 },
 TestIamPermissions: []gax.CallOption{
  gax.WithTimeout(600000
* time.Millisecond),
 },
}
}

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
 Close() error
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
 Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
 Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
 GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
 List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
 SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse,
 error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicensesClient
```

```
 // The call options for this service.
 CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
 return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

//
 Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
 return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy
 for a resource. May be empty if no such policy or resource exists. Caution This resource is intended for use only by
third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.GetIamPolicy(ctx, req, opts...)
```

```
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
 return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
 list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-
cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating
Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption)
*LicenseIterator {
 return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use
 only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // operationClient is used to call the operation-specific management service.
 operationClient *GlobalOperationsClient

 // The x-goog-* headers to be sent with each request.
```

```
 xGoogHeaders []string

 // Points back to the CallOptions field of the containing LicensesClient
 CallOptions **LicensesCallOptions
}

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx
 context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
 clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicensesRESTCallOptions()
 c := &licensesRESTClient{
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
 }
 c.setGoogleClientInfo()

 o := []option.ClientOption{
  option.WithHTTPClient(httpClient),
  option.WithEndpoint(endpoint),
 }
 opC, err := NewGlobalOperationsRESTClient(ctx, o...)
 if err != nil {
  return nil, err
 }
 c.operationClient = opC

 return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultEndpointTemplate("https://compute.UNIVERSE_DOMAIN"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultUniverseDomain("googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
  internaloption.EnableNewAuthLibrary(),
 }
```

```
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogHeaders = []string{
  "x-goog-api-client", gax.XGoogHeader(kv...),
 }
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
 // Replace httpClient with nil to force cleanup.
 c.httpClient
 = nil
 if err := c.operationClient.Close(); err != nil {
  return err
 }
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
 return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }
```

```
baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
hds := []string{"x-goog-request-params",
fmt.Sprintf("%s=%v&%s=%v", "project", url.QueryEscape(req.GetProject()), "license",
url.QueryEscape(req.GetLicense()))}

hds = append(c.xGoogHeaders, hds...)
hds = append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf,
err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
```

```
 }
 op := &Operation{
  &globalOperationsHandle{
   c:       c.operationClient,
   proto:   resp,
   project: req.GetProject(),
  },
 }
 return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()),
 "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.License{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()
```

```
  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err
 := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

 params := url.Values{}
 if req != nil && req.OptionsRequestedPolicyVersion != nil {
  params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and
 context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
```

```
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp);
 err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
```

```
...gax.CallOption) (*Operation, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetLicenseResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId",
 fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v", "project", url.QueryEscape(req.GetProject()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err !=
 nil {
   return err
  }
  defer httpRsp.Body.Close()
```

```
 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-
cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating
Cloud Marketplace images.
func (c *licensesRESTClient)
 List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
 it := &LicenseIterator{}
 req = proto.Clone(req).(*computepb.ListLicensesRequest)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
  resp := &computepb.LicensesListResponse{}
  if pageToken != "" {
   req.PageToken = proto.String(pageToken)
  }
  if pageSize > math.MaxInt32 {
   req.MaxResults = proto.Uint32(math.MaxInt32)
  } else if pageSize != 0 {
   req.MaxResults = proto.Uint32(uint32(pageSize))
```

```
 }
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, "", err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.Filter != nil {
  params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
 }
 if req != nil && req.MaxResults != nil {
  params.Add("maxResults",
fmt.Sprintf("%v", req.GetMaxResults()))
 }
 if req != nil && req.OrderBy != nil {
  params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
 }
 if req != nil && req.PageToken != nil {
  params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
 }
 if req != nil && req.ReturnPartialSuccess != nil {
  params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := append(c.xGoogHeaders, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return
err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
```

```
    return err
   }

   buf, err := io.ReadAll(httpRsp.Body)
   if err != nil {
    return err
   }

   if err := unm.Unmarshal(buf, resp); err != nil {
    return err
   }

   return nil
  }, opts...)
  if e != nil {
   return nil, "", e
  }
  it.Response = resp
  return resp.GetItems(), resp.GetNextPageToken(), nil
 }

 fetch := func(pageSize int, pageToken string) (string, error) {
  items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
  if err != nil {
   return "", err
  }
  it.items = append(it.items, items...)
  return nextPageToken, nil
 }

 it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
 it.pageInfo.MaxSize = int(req.GetMaxResults())
 it.pageInfo.Token = req.GetPageToken()

 return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only
 by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetGlobalSetPolicyRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }
```

```
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
 opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
```

```
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// TestIamPermissions returns permissions that a caller has on
 the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type",
 "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
```

```
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return
nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}
```

1.6602 go-autorest-autorest-azure-auth 0.5.13

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1.6603 otel-exporters-otlp-otlptrace-otlptracehttp 1.28.0

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1.6606 protoreflect 1.16.0

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1.6607 stringprep 1.0.3

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tools/uni_parse.tcl and tools/uni_parse2.tcl are based on tools/uniParse.tcl
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1.6608 google-cloud-go-iam 1.1.10

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package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
 "google.golang.org/api/iterator"
)
```

```
func ExampleNewLicensesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will
 require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicensesClient_Delete() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.DeleteLicenseRequest{
  //
 TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
 }
 op, err := c.Delete(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}
```

```
func ExampleLicensesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
 }
 resp,
 err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetIamPolicyLicenseRequest.
 }
 resp, err := c.GetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
```

```
 _ = resp
}

func ExampleLicensesClient_Insert()
 {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.InsertLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
 }
 op, err := c.Insert(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_List() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template
 only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.ListLicensesRequest{
  // TODO: Fill request struct fields.
```

```
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
 }
 it := c.List(ctx, req)
 for {
  resp, err := it.Next()
  if err == iterator.Done {
   break
  }
  if err != nil {
   // TODO: Handle error.
  }
  // TODO: Use resp.
  _ = resp

  // If you need to access the underlying RPC response,
  // you can do so by casting the `Response` as below.
  // Otherwise, remove this line. Only populated after
  // first call to Next(). Not safe for concurrent access.
  _ = it.Response.(*computepb.LicensesListResponse)
 }
}

func
 ExampleLicensesClient_SetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.SetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
 }
 resp, err := c.SetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
```

```
func ExampleLicensesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically
 generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
 }
 resp, err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
```

```
)

func ExampleNewLicenseCodesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 //
 - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicenseCodesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseCodeRequest{
  // TODO: Fill request
 struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
 }
 resp, err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
 ctx := context.Background()
```

```
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicenseCodesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.TestIamPermissionsLicenseCodeRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
}
resp,
err := c.TestIamPermissions(ctx, req)
if err != nil {
 // TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}
```

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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
// protoc-gen-go v1.34.2
// protoc   v4.25.3
// source: google/ai/generativelanguage/v1beta/permission.proto

package generativelanguagepb

import (
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"

```
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
)

const
 (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Defines types of the grantee of this permission.
type Permission_GranteeType int32

const (
 // The default value. This value is unused.
 Permission_GRANTEE_TYPE_UNSPECIFIED Permission_GranteeType = 0
 // Represents a user. When set, you must provide email_address for the user.
 Permission_USER Permission_GranteeType = 1
 // Represents a group. When set, you must provide email_address for the
 // group.
 Permission_GROUP Permission_GranteeType = 2
 // Represents access to everyone. No extra information is required.
 Permission_EVERYONE Permission_GranteeType = 3
)

// Enum value maps for Permission_GranteeType.
var (
 Permission_GranteeType_name = map[int32]string{
  0: "GRANTEE_TYPE_UNSPECIFIED",
  1: "USER",
  2:
 "GROUP",
  3: "EVERYONE",
 }
 Permission_GranteeType_value = map[string]int32{
  "GRANTEE_TYPE_UNSPECIFIED": 0,
  "USER":                     1,
  "GROUP":                    2,
  "EVERYONE":                 3,
 }
)

func (x Permission_GranteeType) Enum() *Permission_GranteeType {
 p := new(Permission_GranteeType)
 *p = x
 return p
```

```
}

func (x Permission_GranteeType) String() string {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_GranteeType) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0].Descriptor()
}

func (Permission_GranteeType) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0]
}

func (x Permission_GranteeType) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_GranteeType.Descriptor instead.
func (Permission_GranteeType) EnumDescriptor() ([]byte,
 []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 0}
}

// Defines the role granted by this permission.
type Permission_Role int32

const (
 // The default value. This value is unused.
 Permission_ROLE_UNSPECIFIED Permission_Role = 0
 // Owner can use, update, share and delete the resource.
 Permission_OWNER Permission_Role = 1
 // Writer can use, update and share the resource.
 Permission_WRITER Permission_Role = 2
 // Reader can use the resource.
 Permission_READER Permission_Role = 3
)

// Enum value maps for Permission_Role.
var (
 Permission_Role_name = map[int32]string{
  0: "ROLE_UNSPECIFIED",
  1: "OWNER",
  2: "WRITER",
  3: "READER",
 }
 Permission_Role_value = map[string]int32{
  "ROLE_UNSPECIFIED": 0,
```

```
  "OWNER":          1,
  "WRITER":         2,
  "READER":         3,
 }
)

func (x Permission_Role) Enum() *Permission_Role {
 p := new(Permission_Role)
 *p = x
 return p
}

func (x Permission_Role) String() string {
 return
 protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_Role) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1].Descriptor()
}

func (Permission_Role) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1]
}

func (x Permission_Role) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_Role.Descriptor instead.
func (Permission_Role) EnumDescriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 1}
}

// Permission resource grants user, group or the rest of the world access to the
// PaLM API resource (e.g. a tuned model, corpus).
//
// A role is a collection of permitted operations that allows users to perform
// specific actions on PaLM API resources. To make them available to users,
// groups, or service accounts,
 you assign roles. When you assign a role, you
// grant permissions that the role contains.
//
// There are three concentric roles. Each role is a superset of the previous
// role's permitted operations:
//
// - reader can use the resource (e.g. tuned model, corpus) for inference
// - writer has reader's permissions and additionally can edit and share
```

```
// - owner has writer's permissions and additionally can delete
type Permission struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Output only. Identifier. The permission name. A unique name will be
 // generated on create. Examples:
 //
 // tunedModels/{tuned_model}/permissions/{permission}
 // corpora/{corpus}/permissions/{permission}
 //
 // Output only.
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Optional. Immutable. The type of the grantee.
 GranteeType *Permission_GranteeType
`protobuf:"varint,2,opt,name=grantee_type,json=granteeType,proto3,enum=google.ai.generativelanguage.v1beta.Pe
rmission_GranteeType,oneof"
 json:"grantee_type,omitempty"`
 // Optional. Immutable. The email address of the user of group which this
 // permission refers. Field is not set when permission's grantee type is
 // EVERYONE.
 EmailAddress *string `protobuf:"bytes,3,opt,name=email_address,json=emailAddress,proto3,oneof"
json:"email_address,omitempty"`
 // Required. The role granted by this permission.
 Role *Permission_Role
`protobuf:"varint,4,opt,name=role,proto3,enum=google.ai.generativelanguage.v1beta.Permission_Role,oneof"
json:"role,omitempty"`
}

func (x *Permission) Reset() {
 *x = Permission{}
 if protoimpl.UnsafeEnabled {
  mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  ms.StoreMessageInfo(mi)
 }
}

func (x *Permission) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*Permission) ProtoMessage() {}

func (x *Permission)
 ProtoReflect() protoreflect.Message {
 mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
```

```
 if protoimpl.UnsafeEnabled && x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use Permission.ProtoReflect.Descriptor instead.
func (*Permission) Descriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0}
}

func (x *Permission) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *Permission) GetGranteeType() Permission_GranteeType {
 if x != nil && x.GranteeType != nil {
  return *x.GranteeType
 }
 return Permission_GRANTEE_TYPE_UNSPECIFIED
}

func (x *Permission) GetEmailAddress() string {
 if x != nil && x.EmailAddress != nil {
  return *x.EmailAddress
 }
 return ""
}

func (x *Permission) GetRole() Permission_Role {
 if x != nil && x.Role
 != nil {
  return *x.Role
 }
 return Permission_ROLE_UNSPECIFIED
}

var File_google_ai_generativelanguage_v1beta_permission_proto protoreflect.FileDescriptor

var file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = []byte{
 0x0a, 0x34, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
```

0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x76,
0x31, 0x62, 0x65, 0x74, 0x61, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x23, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x1a, 0x1f, 0x67, 0x6f, 0x6f,
0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x62, 0x65,
0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a,
0x19, 0x67, 0x6f,
0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75, 0x72, 0x63,
0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0x85, 0x05, 0x0a, 0x0a, 0x50, 0x65, 0x72, 0x6d,
0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x1a, 0x0a, 0x04, 0x6e, 0x61, 0x6d, 0x65, 0x18, 0x01,
0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x03, 0xe0, 0x41, 0x08, 0x52, 0x04, 0x6e, 0x61,
0x6d, 0x65, 0x12, 0x6b, 0x0a, 0x0c, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f, 0x74, 0x79,
0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0e, 0x32, 0x3b, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c,
0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50,
0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65,
0x65, 0x54, 0x79, 0x70, 0x65, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x00, 0x52,
0x0b, 0x67,
0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x88, 0x01, 0x01, 0x12,
0x30, 0x0a, 0x0d, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73,
0x18, 0x03, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x01,
0x52, 0x0c, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x41, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73, 0x88, 0x01,
0x01, 0x12, 0x52, 0x0a, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x18, 0x04, 0x20, 0x01, 0x28, 0x0e, 0x32,
0x34, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65,
0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76,
0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
0x2e, 0x52, 0x6f, 0x6c, 0x65, 0x42, 0x03, 0xe0, 0x41, 0x02, 0x48, 0x02, 0x52, 0x04, 0x72, 0x6f,
0x6c, 0x65, 0x88, 0x01, 0x01, 0x22, 0x4e, 0x0a, 0x0b, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65,
0x54, 0x79, 0x70, 0x65, 0x12, 0x1c, 0x0a,
0x18, 0x47, 0x52, 0x41, 0x4e, 0x54, 0x45, 0x45, 0x5f,
0x54, 0x59, 0x50, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45, 0x44,
0x10, 0x00, 0x12, 0x08, 0x0a, 0x04, 0x55, 0x53, 0x45, 0x52, 0x10, 0x01, 0x12, 0x09, 0x0a, 0x05,
0x47, 0x52, 0x4f, 0x55, 0x50, 0x10, 0x02, 0x12, 0x0c, 0x0a, 0x08, 0x45, 0x56, 0x45, 0x52, 0x59,
0x4f, 0x4e, 0x45, 0x10, 0x03, 0x22, 0x3f, 0x0a, 0x04, 0x52, 0x6f, 0x6c, 0x65, 0x12, 0x14, 0x0a,
0x10, 0x52, 0x4f, 0x4c, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45,
0x44, 0x10, 0x00, 0x12, 0x09, 0x0a, 0x05, 0x4f, 0x57, 0x4e, 0x45, 0x52, 0x10, 0x01, 0x12, 0x0a,
0x0a, 0x06, 0x57, 0x52, 0x49, 0x54, 0x45, 0x52, 0x10, 0x02, 0x12, 0x0a, 0x0a, 0x06, 0x52, 0x45,
0x41, 0x44, 0x45, 0x52, 0x10, 0x03, 0x3a, 0xaa, 0x01, 0xea, 0x41, 0xa6, 0x01, 0x0a, 0x2c, 0x67,
0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67,
0x65, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73,
0x2e, 0x63, 0x6f, 0x6d,
0x2f, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x32, 0x74, 0x75, 0x6e,
0x65, 0x64, 0x4d, 0x6f, 0x64, 0x65, 0x6c, 0x73, 0x2f, 0x7b, 0x74, 0x75, 0x6e, 0x65, 0x64, 0x5f,
0x6d, 0x6f, 0x64, 0x65, 0x6c, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f,
0x6e, 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x12,
0x29, 0x63, 0x6f, 0x72, 0x70, 0x6f, 0x72, 0x61, 0x2f, 0x7b, 0x63, 0x6f, 0x72, 0x70, 0x75, 0x73,
0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x2f, 0x7b, 0x70,

```
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x2a, 0x0b, 0x70, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x32, 0x0a, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73,
 0x69, 0x6f, 0x6e, 0x42, 0x0f, 0x0a, 0x0d, 0x5f, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f,
 0x74, 0x79, 0x70, 0x65, 0x42, 0x10, 0x0a, 0x0e, 0x5f, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61,
 0x64,
 0x64, 0x72, 0x65, 0x73, 0x73, 0x42, 0x07, 0x0a, 0x05, 0x5f, 0x72, 0x6f, 0x6c, 0x65, 0x42,
 0x9b, 0x01, 0x0a, 0x27, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x42, 0x0f, 0x50, 0x65, 0x72,
 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x50, 0x01, 0x5a, 0x5d,
 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x67, 0x6f, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76,
 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x76, 0x31, 0x62,
 0x65, 0x74, 0x61, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61,
 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x3b, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74,
 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e,
 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x62, 0x06, 0x70,
 0x72, 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce sync.Once
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc
)

func file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP() []byte {
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce.Do(func() {
  file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData)
 })
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData
}

var file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes = make([]protoimpl.EnumInfo, 2)
var file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes = make([]protoimpl.MessageInfo, 1)
var file_google_ai_generativelanguage_v1beta_permission_proto_goTypes
 = []any{
 (Permission_GranteeType)(0), // 0: google.ai.generativelanguage.v1beta.Permission.GranteeType
 (Permission_Role)(0),        // 1: google.ai.generativelanguage.v1beta.Permission.Role
 (*Permission)(nil),          // 2: google.ai.generativelanguage.v1beta.Permission
}
var file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = []int32{
 0, // 0: google.ai.generativelanguage.v1beta.Permission.grantee_type:type_name ->
google.ai.generativelanguage.v1beta.Permission.GranteeType
 1, // 1: google.ai.generativelanguage.v1beta.Permission.role:type_name ->
google.ai.generativelanguage.v1beta.Permission.Role
 2, // [2:2] is the sub-list for method output_type
```

```
 2, // [2:2] is the sub-list for method input_type
 2, // [2:2] is the sub-list for extension type_name
 2, // [2:2] is the sub-list for extension extendee
 0, // [0:2] is the sub-list for field type_name
}

func init() { file_google_ai_generativelanguage_v1beta_permission_proto_init() }
func
 file_google_ai_generativelanguage_v1beta_permission_proto_init() {
 if File_google_ai_generativelanguage_v1beta_permission_proto != nil {
  return
 }
 if !protoimpl.UnsafeEnabled {
  file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].Exporter = func(v any, i int) any {
   switch v := v.(*Permission); i {
   case 0:
    return &v.state
   case 1:
    return &v.sizeCache
   case 2:
    return &v.unknownFields
   default:
    return nil
   }
  }
 }
 file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].OneofWrappers = []any{}
 type x struct{}
 out := protoimpl.TypeBuilder{
  File: protoimpl.DescBuilder{
   GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
   RawDescriptor: file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc,
   NumEnums:      2,
   NumMessages:   1,
   NumExtensions: 0,
   NumServices:   0,
  },
  GoTypes:          file_google_ai_generativelanguage_v1beta_permission_proto_goTypes,
  DependencyIndexes: file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs,
  EnumInfos:
        file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes,
  MessageInfos:      file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes,
 }.Build()
 File_google_ai_generativelanguage_v1beta_permission_proto = out.File
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_goTypes = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = nil
}
```

```
// Copyright 2024 Google LLC
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// WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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// limitations under the License.

// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute

import (
 "bytes"
 "context"
 "fmt"
 "io"
 "math"
 "net/http"
 "net/url"
 "time"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/googleapi"
 "google.golang.org/api/iterator"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport
 "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/protobuf/encoding/protojson"
 "google.golang.org/protobuf/proto"
)

var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
 Delete          []gax.CallOption
 Get             []gax.CallOption
 GetIamPolicy    []gax.CallOption
```

```
 Insert            []gax.CallOption
 List              []gax.CallOption
 SetIamPolicy      []gax.CallOption
 TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
 return &LicensesCallOptions{
  Delete: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  Get: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  GetIamPolicy:
 []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  Insert: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  List: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
```

```
    http.StatusServiceUnavailable)
   }),
  },
  SetIamPolicy: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  TestIamPermissions: []gax.CallOption{
   gax.WithTimeout(600000
 * time.Millisecond),
  },
 }
}

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
 Close() error
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
 Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
 Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
 GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
 List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
 SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse,
 error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicensesClient

 // The call options for this service.
 CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
```

```
func (c *LicensesClient) Close() error {
 return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

//
 Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
 return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy
 for a resource. May be empty if no such policy or resource exists. Caution This resource is intended for use only by
third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
 return c.internalClient.Insert(ctx, req, opts...)
}
```

```
// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
 list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-
cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating
Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption)
*LicenseIterator {
 return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use
 only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // operationClient is used to call the operation-specific management service.
 operationClient *GlobalOperationsClient

 // The x-goog-* headers to be sent with each request.
 xGoogHeaders []string

 // Points back to the CallOptions field of the containing LicensesClient
 CallOptions **LicensesCallOptions
}

// NewLicensesRESTClient creates a new licenses rest client.
//
```

```
// The Licenses API.
func NewLicensesRESTClient(ctx
 context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
 clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicensesRESTCallOptions()
 c := &licensesRESTClient{
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
 }
 c.setGoogleClientInfo()

 o := []option.ClientOption{
  option.WithHTTPClient(httpClient),
  option.WithEndpoint(endpoint),
 }
 opC, err := NewGlobalOperationsRESTClient(ctx, o...)
 if err != nil {
  return nil, err
 }
 c.operationClient = opC

 return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultEndpointTemplate("https://compute.UNIVERSE_DOMAIN"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultUniverseDomain("googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
  internaloption.EnableNewAuthLibrary(),
 }
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
```

```
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogHeaders = []string{
  "x-goog-api-client", gax.XGoogHeader(kv...),
 }
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
 // Replace httpClient with nil to force cleanup.
 c.httpClient
 = nil
 if err := c.operationClient.Close(); err != nil {
  return err
 }
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
 return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params",
 fmt.Sprintf("%s=%v&%s=%v", "project", url.QueryEscape(req.GetProject()), "license",
url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
```

```
hds = append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf,
err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
```

```
 return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()),
 "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.License{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
```

```
  }

  if err
 := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

 params := url.Values{}
 if req != nil && req.OptionsRequestedPolicyVersion != nil {
  params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and
 context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
```

```
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp);
err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetLicenseResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }
```

```
baseUrl, err := url.Parse(c.endpoint)
if err != nil {
 return nil, err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

params := url.Values{}
if req != nil && req.RequestId != nil {
 params.Add("requestId",
fmt.Sprintf("%v", req.GetRequestId()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v", "project", url.QueryEscape(req.GetProject()))}

hds = append(c.xGoogHeaders, hds...)
hds = append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err !=
nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
```

```
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-
cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating
Cloud Marketplace images.
func (c *licensesRESTClient)
 List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
 it := &LicenseIterator{}
 req = proto.Clone(req).(*computepb.ListLicensesRequest)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
  resp := &computepb.LicensesListResponse{}
  if pageToken != "" {
   req.PageToken = proto.String(pageToken)
  }
  if pageSize > math.MaxInt32 {
   req.MaxResults = proto.Uint32(math.MaxInt32)
  } else if pageSize != 0 {
   req.MaxResults = proto.Uint32(uint32(pageSize))
  }
  baseUrl, err := url.Parse(c.endpoint)
  if err != nil {
   return nil, "", err
  }
  baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

  params := url.Values{}
```

```
 if req != nil && req.Filter != nil {
  params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
 }
 if req != nil && req.MaxResults != nil {
  params.Add("maxResults",
fmt.Sprintf("%v", req.GetMaxResults()))
 }
 if req != nil && req.OrderBy != nil {
  params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
 }
 if req != nil && req.PageToken != nil {
  params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
 }
 if req != nil && req.ReturnPartialSuccess != nil {
  params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := append(c.xGoogHeaders, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return
err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }
```

```
  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, "", e
 }
 it.Response = resp
 return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
 items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
 if err != nil {
  return "", err
 }
 it.items = append(it.items, items...)
 return nextPageToken, nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()

return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only
 by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetGlobalSetPolicyRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())
```

```
 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
 opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
```

```
}

// TestIamPermissions returns permissions that a caller has on
 the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type",
 "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
```

```
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return
nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}
```

1.6609 smithy-go 1.20.3

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1.6610 azure-sdk-for-go-sdk-resourcemanager-compute-armcompute 5.7.0

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```
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// +build go1.18

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// Code generated by Microsoft (R) AutoRest Code Generator. DO NOT EDIT.
// Changes may cause incorrect behavior and will be lost if the code is regenerated.

package fake

import (
 "context"
 "errors"
 "fmt"
 azfake "github.com/Azure/azure-sdk-for-go/sdk/azcore/fake"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/fake/server"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/runtime"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/to"
 "github.com/Azure/azure-sdk-for-go/sdk/resourcemanager/hybridcompute/armhybridcompute/v2"
 "net/http"
 "net/url"
 "regexp"
)

// LicensesServer is a fake server for instances of the armhybridcompute.LicensesClient type.
type LicensesServer struct {
 // BeginCreateOrUpdate is the fake for method LicensesClient.BeginCreateOrUpdate
 // HTTP status codes to indicate success:
 http.StatusOK
 BeginCreateOrUpdate func(ctx context.Context, resourceGroupName string, licenseName string, parameters
armhybridcompute.License, options *armhybridcompute.LicensesClientBeginCreateOrUpdateOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientCreateOrUpdateResponse], errResp
azfake.ErrorResponder)

 // BeginDelete is the fake for method LicensesClient.BeginDelete
 // HTTP status codes to indicate success: http.StatusOK, http.StatusNoContent
 BeginDelete func(ctx context.Context, resourceGroupName string, licenseName string, options
```

```
*armhybridcompute.LicensesClientBeginDeleteOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientDeleteResponse], errResp azfake.ErrorResponder)

 // Get is the fake for method LicensesClient.Get
 // HTTP status codes to indicate success: http.StatusOK
 Get func(ctx context.Context, resourceGroupName string, licenseName string, options
*armhybridcompute.LicensesClientGetOptions) (resp
azfake.Responder[armhybridcompute.LicensesClientGetResponse],
 errResp azfake.ErrorResponder)

 // NewListByResourceGroupPager is the fake for method LicensesClient.NewListByResourceGroupPager
 // HTTP status codes to indicate success: http.StatusOK
 NewListByResourceGroupPager func(resourceGroupName string, options
*armhybridcompute.LicensesClientListByResourceGroupOptions) (resp
azfake.PagerResponder[armhybridcompute.LicensesClientListByResourceGroupResponse])

 // NewListBySubscriptionPager is the fake for method LicensesClient.NewListBySubscriptionPager
 // HTTP status codes to indicate success: http.StatusOK
 NewListBySubscriptionPager func(options *armhybridcompute.LicensesClientListBySubscriptionOptions) (resp
azfake.PagerResponder[armhybridcompute.LicensesClientListBySubscriptionResponse])

 // BeginUpdate is the fake for method LicensesClient.BeginUpdate
 // HTTP status codes to indicate success: http.StatusOK
 BeginUpdate func(ctx context.Context, resourceGroupName string, licenseName string, parameters
 armhybridcompute.LicenseUpdate, options *armhybridcompute.LicensesClientBeginUpdateOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientUpdateResponse], errResp azfake.ErrorResponder)

 // BeginValidateLicense is the fake for method LicensesClient.BeginValidateLicense
 // HTTP status codes to indicate success: http.StatusOK
 BeginValidateLicense func(ctx context.Context, parameters armhybridcompute.License, options
*armhybridcompute.LicensesClientBeginValidateLicenseOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientValidateLicenseResponse], errResp
azfake.ErrorResponder)
}

// NewLicensesServerTransport creates a new instance of LicensesServerTransport with the provided
implementation.
// The returned LicensesServerTransport instance is connected to an instance of armhybridcompute.LicensesClient
via the
// azcore.ClientOptions.Transporter field in the client's constructor parameters.
func NewLicensesServerTransport(srv *LicensesServer) *LicensesServerTransport
 {
 return &LicensesServerTransport{
  srv:                    srv,
  beginCreateOrUpdate:
newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientCreateOrUpdateResponse]](),
  beginDelete:            newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientDeleteResponse]](),
  newListByResourceGroupPager:
```

```
newTracker[azfake.PagerResponder[armhybridcompute.LicensesClientListByResourceGroupResponse]](),
  newListBySubscriptionPager:
newTracker[azfake.PagerResponder[armhybridcompute.LicensesClientListBySubscriptionResponse]](),
  beginUpdate:                newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientUpdateResponse]](),
  beginValidateLicense:
newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientValidateLicenseResponse]](),
 }
}

// LicensesServerTransport connects instances of armhybridcompute.LicensesClient to instances of LicensesServer.
// Don't use this type directly, use NewLicensesServerTransport
 instead.
type LicensesServerTransport struct {
 srv                         *LicensesServer
 beginCreateOrUpdate
*tracker[azfake.PollerResponder[armhybridcompute.LicensesClientCreateOrUpdateResponse]]
 beginDelete                 *tracker[azfake.PollerResponder[armhybridcompute.LicensesClientDeleteResponse]]
 newListByResourceGroupPager
*tracker[azfake.PagerResponder[armhybridcompute.LicensesClientListByResourceGroupResponse]]
 newListBySubscriptionPager
*tracker[azfake.PagerResponder[armhybridcompute.LicensesClientListBySubscriptionResponse]]
 beginUpdate                 *tracker[azfake.PollerResponder[armhybridcompute.LicensesClientUpdateResponse]]
 beginValidateLicense
*tracker[azfake.PollerResponder[armhybridcompute.LicensesClientValidateLicenseResponse]]
}

// Do implements the policy.Transporter interface for LicensesServerTransport.
func (l *LicensesServerTransport) Do(req *http.Request) (*http.Response, error) {
 rawMethod := req.Context().Value(runtime.CtxAPINameKey{})
 method,
 ok := rawMethod.(string)
 if !ok {
  return nil, nonRetriableError{errors.New("unable to dispatch request, missing value for CtxAPINameKey")}
 }

 var resp *http.Response
 var err error

 switch method {
 case "LicensesClient.BeginCreateOrUpdate":
  resp, err = l.dispatchBeginCreateOrUpdate(req)
 case "LicensesClient.BeginDelete":
  resp, err = l.dispatchBeginDelete(req)
 case "LicensesClient.Get":
  resp, err = l.dispatchGet(req)
 case "LicensesClient.NewListByResourceGroupPager":
  resp, err = l.dispatchNewListByResourceGroupPager(req)
 case "LicensesClient.NewListBySubscriptionPager":
```

```
 resp, err = l.dispatchNewListBySubscriptionPager(req)
 case "LicensesClient.BeginUpdate":
  resp, err = l.dispatchBeginUpdate(req)
 case "LicensesClient.BeginValidateLicense":
  resp, err = l.dispatchBeginValidateLicense(req)
 default:
  err = fmt.Errorf("unhandled API %s", method)
 }

 if err != nil {
  return nil, err
 }

 return resp, nil
}

func (l *LicensesServerTransport) dispatchBeginCreateOrUpdate(req
 *http.Request) (*http.Response, error) {
 if l.srv.BeginCreateOrUpdate == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginCreateOrUpdate not implemented")}
 }
 beginCreateOrUpdate := l.beginCreateOrUpdate.get(req)
 if beginCreateOrUpdate == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 3 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  body, err := server.UnmarshalRequestAsJSON[armhybridcompute.License](req)
  if err != nil {
   return nil, err
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if err != nil {
   return
 nil, err
  }
  licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
  if err != nil {
   return nil, err
  }
  respr, errRespr := l.srv.BeginCreateOrUpdate(req.Context(), resourceGroupNameParam, licenseNameParam, body,
nil)
  if respErr := server.GetError(errRespr, req); respErr != nil {
   return nil, respErr
```

```
  }
  beginCreateOrUpdate = &respr
  l.beginCreateOrUpdate.add(req, beginCreateOrUpdate)
 }

 resp, err := server.PollerResponderNext(beginCreateOrUpdate, req)
 if err != nil {
  return nil, err
 }

 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.beginCreateOrUpdate.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PollerResponderMore(beginCreateOrUpdate) {
  l.beginCreateOrUpdate.remove(req)
 }

 return resp, nil
}

func (l *LicensesServerTransport) dispatchBeginDelete(req *http.Request) (*http.Response, error) {
 if l.srv.BeginDelete
 == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginDelete not implemented")}
 }
 beginDelete := l.beginDelete.get(req)
 if beginDelete == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 3 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if err != nil {
   return nil, err
  }
  licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
  if err != nil {
   return nil, err
  }
  respr, errRespr := l.srv.BeginDelete(req.Context(), resourceGroupNameParam, licenseNameParam, nil)
  if
```

```
 respErr := server.GetError(errRespr, req); respErr != nil {
   return nil, respErr
  }
  beginDelete = &respr
  l.beginDelete.add(req, beginDelete)
 }

 resp, err := server.PollerResponderNext(beginDelete, req)
 if err != nil {
  return nil, err
 }

 if !contains([]int{http.StatusOK, http.StatusNoContent}, resp.StatusCode) {
  l.beginDelete.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK,
http.StatusNoContent", resp.StatusCode)}
 }
 if !server.PollerResponderMore(beginDelete) {
  l.beginDelete.remove(req)
 }

 return resp, nil
}

func (l *LicensesServerTransport) dispatchGet(req *http.Request) (*http.Response, error) {
 if l.srv.Get == nil {
  return nil, &nonRetriableError{errors.New("fake for method Get not implemented")}
 }
 const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
 regex
 := regexp.MustCompile(regexStr)
 matches := regex.FindStringSubmatch(req.URL.EscapedPath())
 if matches == nil || len(matches) < 3 {
  return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
 }
 resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
 if err != nil {
  return nil, err
 }
 licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
 if err != nil {
  return nil, err
 }
 respr, errRespr := l.srv.Get(req.Context(), resourceGroupNameParam, licenseNameParam, nil)
 if respErr := server.GetError(errRespr, req); respErr != nil {
  return nil, respErr
```

```
 }
 respContent := server.GetResponseContent(respr)
 if !contains([]int{http.StatusOK}, respContent.HTTPStatus) {
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
respContent.HTTPStatus)}
 }
 resp, err := server.MarshalResponseAsJSON(respContent,
 server.GetResponse(respr).License, req)
 if err != nil {
  return nil, err
 }
 return resp, nil
}

func (l *LicensesServerTransport) dispatchNewListByResourceGroupPager(req *http.Request) (*http.Response,
error) {
 if l.srv.NewListByResourceGroupPager == nil {
  return nil, &nonRetriableError{errors.New("fake for method NewListByResourceGroupPager not implemented")}
 }
 newListByResourceGroupPager := l.newListByResourceGroupPager.get(req)
 if newListByResourceGroupPager == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 2 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if
 err != nil {
   return nil, err
  }
  resp := l.srv.NewListByResourceGroupPager(resourceGroupNameParam, nil)
  newListByResourceGroupPager = &resp
  l.newListByResourceGroupPager.add(req, newListByResourceGroupPager)
  server.PagerResponderInjectNextLinks(newListByResourceGroupPager, req, func(page
*armhybridcompute.LicensesClientListByResourceGroupResponse, createLink func() string) {
   page.NextLink = to.Ptr(createLink())
  })
 }
 resp, err := server.PagerResponderNext(newListByResourceGroupPager, req)
 if err != nil {
  return nil, err
 }
 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.newListByResourceGroupPager.remove(req)
```

```
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PagerResponderMore(newListByResourceGroupPager) {
  l.newListByResourceGroupPager.remove(req)
 }
 return resp, nil
}

func (l *LicensesServerTransport) dispatchNewListBySubscriptionPager(req *http.Request)
 (*http.Response, error) {
 if l.srv.NewListBySubscriptionPager == nil {
  return nil, &nonRetriableError{errors.New("fake for method NewListBySubscriptionPager not implemented")}
 }
 newListBySubscriptionPager := l.newListBySubscriptionPager.get(req)
 if newListBySubscriptionPager == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 1 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  resp := l.srv.NewListBySubscriptionPager(nil)
  newListBySubscriptionPager = &resp
  l.newListBySubscriptionPager.add(req, newListBySubscriptionPager)
  server.PagerResponderInjectNextLinks(newListBySubscriptionPager, req, func(page
*armhybridcompute.LicensesClientListBySubscriptionResponse, createLink func() string) {
   page.NextLink = to.Ptr(createLink())
  })
 }
 resp,
 err := server.PagerResponderNext(newListBySubscriptionPager, req)
 if err != nil {
  return nil, err
 }
 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.newListBySubscriptionPager.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PagerResponderMore(newListBySubscriptionPager) {
  l.newListBySubscriptionPager.remove(req)
 }
 return resp, nil
}

func (l *LicensesServerTransport) dispatchBeginUpdate(req *http.Request) (*http.Response, error) {
```

```
 if l.srv.BeginUpdate == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginUpdate not implemented")}
 }
 beginUpdate := l.beginUpdate.get(req)
 if beginUpdate == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
  regex
 := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 3 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  body, err := server.UnmarshalRequestAsJSON[armhybridcompute.LicenseUpdate](req)
  if err != nil {
   return nil, err
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if err != nil {
   return nil, err
  }
  licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
  if err != nil {
   return nil, err
  }
  respr, errRespr := l.srv.BeginUpdate(req.Context(), resourceGroupNameParam, licenseNameParam, body, nil)
  if respErr := server.GetError(errRespr, req); respErr != nil {
   return nil, respErr
  }
  beginUpdate = &respr
  l.beginUpdate.add(req, beginUpdate)
 }

 resp, err := server.PollerResponderNext(beginUpdate, req)
 if err != nil {
  return nil, err
 }

 if !contains([]int{http.StatusOK},
 resp.StatusCode) {
  l.beginUpdate.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PollerResponderMore(beginUpdate) {
  l.beginUpdate.remove(req)
 }
```

```
 return resp, nil
}

func (l *LicensesServerTransport) dispatchBeginValidateLicense(req *http.Request) (*http.Response, error) {
 if l.srv.BeginValidateLicense == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginValidateLicense not implemented")}
 }
 beginValidateLicense := l.beginValidateLicense.get(req)
 if beginValidateLicense == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/validateLicense`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 1 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  body,
 err := server.UnmarshalRequestAsJSON[armhybridcompute.License](req)
  if err != nil {
   return nil, err
  }
  respr, errRespr := l.srv.BeginValidateLicense(req.Context(), body, nil)
  if respErr := server.GetError(errRespr, req); respErr != nil {
   return nil, respErr
  }
  beginValidateLicense = &respr
  l.beginValidateLicense.add(req, beginValidateLicense)
 }

 resp, err := server.PollerResponderNext(beginValidateLicense, req)
 if err != nil {
  return nil, err
 }

 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.beginValidateLicense.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PollerResponderMore(beginValidateLicense) {
  l.beginValidateLicense.remove(req)
 }

 return resp, nil
}
```

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//go:build go1.18
// +build go1.18

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// Code generated by Microsoft (R) AutoRest Code Generator. DO NOT EDIT.
// Changes may cause incorrect behavior and will be lost if the code is regenerated.

package armhybridcompute

import (
 "context"
 "errors"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/arm"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/policy"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/runtime"
 "net/http"
 "net/url"
 "strings"
)

// LicensesClient contains the methods for the Licenses group.
// Don't use this type directly, use NewLicensesClient() instead.
type LicensesClient struct {
 internal       *arm.Client
 subscriptionID string
}
```

```
// NewLicensesClient creates a new instance of LicensesClient with the specified values.
//   - subscriptionID - The ID of the target
 subscription.
//   - credential - used to authorize requests. Usually a credential from azidentity.
//   - options - pass nil to accept the default values.
func NewLicensesClient(subscriptionID string, credential azcore.TokenCredential, options *arm.ClientOptions)
(*LicensesClient, error) {
 cl, err := arm.NewClient(moduleName, moduleVersion, credential, options)
 if err != nil {
  return nil, err
 }
 client := &LicensesClient{
  subscriptionID: subscriptionID,
  internal:       cl,
 }
 return client, nil
}

// BeginCreateOrUpdate - The operation to create or update a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName - The name of the license.
//   - parameters - Parameters supplied to the Create license operation.
//   - options - LicensesClientBeginCreateOrUpdateOptions contains the optional parameters
 for the LicensesClient.BeginCreateOrUpdate
//     method.
func (client *LicensesClient) BeginCreateOrUpdate(ctx context.Context, resourceGroupName string, licenseName
string, parameters License, options *LicensesClientBeginCreateOrUpdateOptions)
(*runtime.Poller[LicensesClientCreateOrUpdateResponse], error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.createOrUpdate(ctx, resourceGroupName, licenseName, parameters, options)
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientCreateOrUpdateResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientCreateOrUpdateResponse]{
   Tracer: client.internal.Tracer(),
  })
 }
```

```
}

// CreateOrUpdate - The operation to create or update a license.
// If the
 operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
func (client *LicensesClient) createOrUpdate(ctx context.Context, resourceGroupName string, licenseName string,
parameters License, options *LicensesClientBeginCreateOrUpdateOptions) (*http.Response, error) {
 var err error
 const operationName = "LicensesClient.BeginCreateOrUpdate"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.createOrUpdateCreateRequest(ctx, resourceGroupName, licenseName, parameters, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return nil, err
 }
 return httpResp, nil
}

// createOrUpdateCreateRequest creates
 the CreateOrUpdate request.
func (client *LicensesClient) createOrUpdateCreateRequest(ctx context.Context, resourceGroupName string,
licenseName string, parameters License, options *LicensesClientBeginCreateOrUpdateOptions) (*policy.Request,
error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
```

```
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}", url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx,
 http.MethodPut, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 if err := runtime.MarshalAsJSON(req, parameters); err != nil {
  return nil, err
 }
 return req, nil
}

// BeginDelete - The operation to delete a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName - The name of the license.
//   - options - LicensesClientBeginDeleteOptions contains the optional parameters for the
LicensesClient.BeginDelete method.
func (client *LicensesClient) BeginDelete(ctx context.Context, resourceGroupName string, licenseName string,
options *LicensesClientBeginDeleteOptions) (*runtime.Poller[LicensesClientDeleteResponse],
 error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.deleteOperation(ctx, resourceGroupName, licenseName, options)
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientDeleteResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientDeleteResponse]{
   Tracer: client.internal.Tracer(),
  })
 }
}

// Delete - The operation to delete a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
```

```
// Generated from API version 2023-06-20-preview
func (client *LicensesClient) deleteOperation(ctx context.Context, resourceGroupName string, licenseName string,
options *LicensesClientBeginDeleteOptions) (*http.Response, error) {
 var err error
 const
 operationName = "LicensesClient.BeginDelete"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.deleteCreateRequest(ctx, resourceGroupName, licenseName, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK, http.StatusNoContent) {
  err = runtime.NewResponseError(httpResp)
  return nil, err
 }
 return httpResp, nil
}

// deleteCreateRequest creates the Delete request.
func (client *LicensesClient) deleteCreateRequest(ctx context.Context, resourceGroupName string, licenseName
string, options *LicensesClientBeginDeleteOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if
 client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}", url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx, http.MethodDelete, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
```

```
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// Get - Retrieves information about the view of a license.
//
 If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName - The name of the license.
//   - options - LicensesClientGetOptions contains the optional parameters for the LicensesClient.Get method.
func (client *LicensesClient) Get(ctx context.Context, resourceGroupName string, licenseName string, options
*LicensesClientGetOptions) (LicensesClientGetResponse, error) {
 var err error
 const operationName = "LicensesClient.Get"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.getCreateRequest(ctx, resourceGroupName, licenseName, options)
 if err != nil {
  return LicensesClientGetResponse{}, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil
 {
  return LicensesClientGetResponse{}, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return LicensesClientGetResponse{}, err
 }
 resp, err := client.getHandleResponse(httpResp)
 return resp, err
}

// getCreateRequest creates the Get request.
func (client *LicensesClient) getCreateRequest(ctx context.Context, resourceGroupName string, licenseName
string, options *LicensesClientGetOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
```

```
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if
 licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}", url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx, http.MethodGet, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// getHandleResponse handles the Get response.
func (client *LicensesClient) getHandleResponse(resp *http.Response) (LicensesClientGetResponse, error) {
 result := LicensesClientGetResponse{}
 if err := runtime.UnmarshalAsJSON(resp, &result.License); err != nil {
  return LicensesClientGetResponse{}, err
 }
 return result, nil
}

// NewListByResourceGroupPager - The operation to get all licenses of a non-Azure machine
//
// Generated from
 API version 2023-06-20-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - options - LicensesClientListByResourceGroupOptions contains the optional parameters for the
LicensesClient.NewListByResourceGroupPager
//     method.
func (client *LicensesClient) NewListByResourceGroupPager(resourceGroupName string, options
*LicensesClientListByResourceGroupOptions) *runtime.Pager[LicensesClientListByResourceGroupResponse] {
 return runtime.NewPager(runtime.PagingHandler[LicensesClientListByResourceGroupResponse]{
  More: func(page LicensesClientListByResourceGroupResponse) bool {
   return page.NextLink != nil && len(*page.NextLink) > 0
  },
  Fetcher: func(ctx context.Context, page *LicensesClientListByResourceGroupResponse)
(LicensesClientListByResourceGroupResponse, error) {
   ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, "LicensesClient.NewListByResourceGroupPager")
   nextLink := ""
   if page != nil {
```

```
    nextLink = *page.NextLink
   }
   resp,
 err := runtime.FetcherForNextLink(ctx, client.internal.Pipeline(), nextLink, func(ctx context.Context)
(*policy.Request, error) {
    return client.listByResourceGroupCreateRequest(ctx, resourceGroupName, options)
   }, nil)
   if err != nil {
    return LicensesClientListByResourceGroupResponse{}, err
   }
   return client.listByResourceGroupHandleResponse(resp)
  },
  Tracer: client.internal.Tracer(),
 })
}

// listByResourceGroupCreateRequest creates the ListByResourceGroup request.
func (client *LicensesClient) listByResourceGroupCreateRequest(ctx context.Context, resourceGroupName string,
options *LicensesClientListByResourceGroupOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es"
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if
 client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 req, err := runtime.NewRequest(ctx, http.MethodGet, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// listByResourceGroupHandleResponse handles the ListByResourceGroup response.
func (client *LicensesClient) listByResourceGroupHandleResponse(resp *http.Response)
(LicensesClientListByResourceGroupResponse, error) {
 result := LicensesClientListByResourceGroupResponse{}
 if err := runtime.UnmarshalAsJSON(resp, &result.LicensesListResult); err != nil {
  return LicensesClientListByResourceGroupResponse{}, err
```

```
 }
 return
 result, nil
}

// NewListBySubscriptionPager - The operation to get all licenses of a non-Azure machine
//
// Generated from API version 2023-06-20-preview
//   - options - LicensesClientListBySubscriptionOptions contains the optional parameters for the
LicensesClient.NewListBySubscriptionPager
//     method.
func (client *LicensesClient) NewListBySubscriptionPager(options *LicensesClientListBySubscriptionOptions)
*runtime.Pager[LicensesClientListBySubscriptionResponse] {
 return runtime.NewPager(runtime.PagingHandler[LicensesClientListBySubscriptionResponse]{
  More: func(page LicensesClientListBySubscriptionResponse) bool {
   return page.NextLink != nil && len(*page.NextLink) > 0
  },
  Fetcher: func(ctx context.Context, page *LicensesClientListBySubscriptionResponse)
(LicensesClientListBySubscriptionResponse, error) {
   ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, "LicensesClient.NewListBySubscriptionPager")
   nextLink := ""
   if page != nil {
    nextLink = *page.NextLink
   }
   resp,
 err := runtime.FetcherForNextLink(ctx, client.internal.Pipeline(), nextLink, func(ctx context.Context)
(*policy.Request, error) {
    return client.listBySubscriptionCreateRequest(ctx, options)
   }, nil)
   if err != nil {
    return LicensesClientListBySubscriptionResponse{}, err
   }
   return client.listBySubscriptionHandleResponse(resp)
  },
  Tracer: client.internal.Tracer(),
 })
}

// listBySubscriptionCreateRequest creates the ListBySubscription request.
func (client *LicensesClient) listBySubscriptionCreateRequest(ctx context.Context, options
*LicensesClientListBySubscriptionOptions) (*policy.Request, error) {
 urlPath := "/subscriptions/{subscriptionId}/providers/Microsoft.HybridCompute/licenses"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 req, err := runtime.NewRequest(ctx, http.MethodGet,
```

```
 runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// listBySubscriptionHandleResponse handles the ListBySubscription response.
func (client *LicensesClient) listBySubscriptionHandleResponse(resp *http.Response)
(LicensesClientListBySubscriptionResponse, error) {
 result := LicensesClientListBySubscriptionResponse{}
 if err := runtime.UnmarshalAsJSON(resp, &result.LicensesListResult); err != nil {
  return LicensesClientListBySubscriptionResponse{}, err
 }
 return result, nil
}

// BeginUpdate - The operation to update a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName
 - The name of the license.
//   - parameters - Parameters supplied to the Update license operation.
//   - options - LicensesClientBeginUpdateOptions contains the optional parameters for the
LicensesClient.BeginUpdate method.
func (client *LicensesClient) BeginUpdate(ctx context.Context, resourceGroupName string, licenseName string,
parameters LicenseUpdate, options *LicensesClientBeginUpdateOptions)
(*runtime.Poller[LicensesClientUpdateResponse], error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.update(ctx, resourceGroupName, licenseName, parameters, options)
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientUpdateResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientUpdateResponse]{
   Tracer:
```

```
 client.internal.Tracer(),
  })
 }
}

// Update - The operation to update a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
func (client *LicensesClient) update(ctx context.Context, resourceGroupName string, licenseName string,
parameters LicenseUpdate, options *LicensesClientBeginUpdateOptions) (*http.Response, error) {
 var err error
 const operationName = "LicensesClient.BeginUpdate"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.updateCreateRequest(ctx, resourceGroupName, licenseName, parameters, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return
 nil, err
 }
 return httpResp, nil
}

// updateCreateRequest creates the Update request.
func (client *LicensesClient) updateCreateRequest(ctx context.Context, resourceGroupName string, licenseName
string, parameters LicenseUpdate, options *LicensesClientBeginUpdateOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
```

```
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}",
 url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx, http.MethodPatch, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 if err := runtime.MarshalAsJSON(req, parameters); err != nil {
  return nil, err
 }
 return req, nil
}

// BeginValidateLicense - The operation to validate a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
//   - parameters - Parameters supplied to the license validation operation.
//   - options - LicensesClientBeginValidateLicenseOptions contains the optional parameters for the
LicensesClient.BeginValidateLicense
//     method.
func (client *LicensesClient) BeginValidateLicense(ctx context.Context, parameters License, options
*LicensesClientBeginValidateLicenseOptions)
 (*runtime.Poller[LicensesClientValidateLicenseResponse], error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.validateLicense(ctx, parameters, options)
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientValidateLicenseResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientValidateLicenseResponse]{
   Tracer: client.internal.Tracer(),
  })
 }
}

// ValidateLicense - The operation to validate a license.
// If the operation fails it returns an *azcore.ResponseError type.
```

```
//
// Generated from API version 2023-06-20-preview
func (client *LicensesClient) validateLicense(ctx context.Context, parameters License, options
*LicensesClientBeginValidateLicenseOptions)
 (*http.Response, error) {
 var err error
 const operationName = "LicensesClient.BeginValidateLicense"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.validateLicenseCreateRequest(ctx, parameters, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return nil, err
 }
 return httpResp, nil
}

// validateLicenseCreateRequest creates the ValidateLicense request.
func (client *LicensesClient) validateLicenseCreateRequest(ctx context.Context, parameters License, options
*LicensesClientBeginValidateLicenseOptions) (*policy.Request, error) {
 urlPath := "/subscriptions/{subscriptionId}/providers/Microsoft.HybridCompute/validateLicense"
 if client.subscriptionID
 == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 req, err := runtime.NewRequest(ctx, http.MethodPost, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 if err := runtime.MarshalAsJSON(req, parameters); err != nil {
  return nil, err
 }
 return req, nil
}
```

azwebpubsub

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// +build go1.18

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// DO NOT EDIT.

package armhybridcompute_test

import (
 "context"
 "log"

 "github.com/Azure/azure-sdk-for-go/sdk/azcore/to"
 "github.com/Azure/azure-sdk-for-go/sdk/azidentity"
 "github.com/Azure/azure-sdk-for-go/sdk/resourcemanager/hybridcompute/armhybridcompute/v2"
)

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2023-06-20-preview/examples/license/License_ValidateLicense.json
func ExampleLicensesClient_BeginValidateLicense() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err !=
 nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
```

```
if err != nil {
 log.Fatalf("failed to create client: %v", err)
}
poller, err := clientFactory.NewLicensesClient().BeginValidateLicense(ctx, armhybridcompute.License{
 Location: to.Ptr("eastus2euap"),
 Properties: &armhybridcompute.LicenseProperties{
  LicenseDetails: &armhybridcompute.LicenseDetails{
   Type:       to.Ptr(armhybridcompute.LicenseCoreTypePCore),
   Edition:    to.Ptr(armhybridcompute.LicenseEditionDatacenter),
   Processors: to.Ptr[int32](6),
   State:      to.Ptr(armhybridcompute.LicenseStateActivated),
   Target:     to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
  },
  LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 },
}, nil)
if err != nil {
 log.Fatalf("failed to finish the request: %v", err)
}
res, err := poller.PollUntilDone(ctx, nil)
if err !=
nil {
 log.Fatalf("failed to pull the result: %v", err)
}
// You could use response here. We use blank identifier for just demo purposes.
_ = res
// If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
// res.License = armhybridcompute.License{
//  Name: to.Ptr("{licenseName}"),
//  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
//  ID: to.Ptr("/subscriptions/{subscriptionId}/providers/Microsoft.HybridCompute/Licenses/{licenseName}"),
//  Location: to.Ptr("eastus2euap"),
//  Properties: &armhybridcompute.LicenseProperties{
//   LicenseDetails: &armhybridcompute.LicenseDetails{
//    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
//    AssignedLicenses: to.Ptr[int32](2),
//    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
//    ImmutableID: to.Ptr("<generated Guid>"),
//    Processors: to.Ptr[int32](6),
//
   State: to.Ptr(armhybridcompute.LicenseStateActivated),
//    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
//   },
//   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
//   TenantID: to.Ptr("{tenandId}"),
//  },
// }
```

```
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2023-06-20-preview/examples/license/License_CreateOrUpdate.json
func ExampleLicensesClient_BeginCreateOrUpdate() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 poller, err := clientFactory.NewLicensesClient().BeginCreateOrUpdate(ctx, "myResourceGroup",
 "{licenseName}", armhybridcompute.License{
  Location: to.Ptr("eastus2euap"),
  Properties: &armhybridcompute.LicenseProperties{
   LicenseDetails: &armhybridcompute.LicenseDetails{
    Type:       to.Ptr(armhybridcompute.LicenseCoreTypePCore),
    Edition:    to.Ptr(armhybridcompute.LicenseEditionDatacenter),
    Processors: to.Ptr[int32](6),
    State:      to.Ptr(armhybridcompute.LicenseStateActivated),
    Target:     to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
   },
   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
  },
 }, nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 res, err := poller.PollUntilDone(ctx, nil)
 if err != nil {
  log.Fatalf("failed to pull the result: %v", err)
 }
 // You could use response here. We use blank identifier for just demo purposes.
 _ = res
 // If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values
 in the output are fake values for just demo purposes.
 // res.License = armhybridcompute.License{
 //  Name: to.Ptr("{licenseName}"),
 //  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
 //  ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
 //  Location: to.Ptr("eastus2euap"),
```

```
 //  Properties: &armhybridcompute.LicenseProperties{
 //   LicenseDetails: &armhybridcompute.LicenseDetails{
 //    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
 //    AssignedLicenses: to.Ptr[int32](2),
 //    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //    ImmutableID: to.Ptr("<generated Guid>"),
 //    Processors: to.Ptr[int32](6),
 //    State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //   },
 //   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //   TenantID: to.Ptr("{tenandId}"),
 //  },
 // }
}

// Generated
 from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2023-06-20-preview/examples/license/License_Update.json
func ExampleLicensesClient_BeginUpdate() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 poller, err := clientFactory.NewLicensesClient().BeginUpdate(ctx, "myResourceGroup", "{licenseName}",
armhybridcompute.LicenseUpdate{
  Properties: &armhybridcompute.LicenseUpdateProperties{
   LicenseDetails: &armhybridcompute.LicenseUpdatePropertiesLicenseDetails{
    Type:       to.Ptr(armhybridcompute.LicenseCoreTypePCore),
    Edition:    to.Ptr(armhybridcompute.LicenseEditionDatacenter),
    Processors:
 to.Ptr[int32](6),
    State:      to.Ptr(armhybridcompute.LicenseStateActivated),
    Target:     to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
   },
   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
  },
 }, nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 res, err := poller.PollUntilDone(ctx, nil)
```

```
 if err != nil {
  log.Fatalf("failed to pull the result: %v", err)
 }
 // You could use response here. We use blank identifier for just demo purposes.
 _ = res
 // If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
 // res.License = armhybridcompute.License{
 //  Name: to.Ptr("{licenseName}"),
 //  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
 //  ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/lice
nses/{licenseName}"),
 //
  Location: to.Ptr("eastus2euap"),
 //  Properties: &armhybridcompute.LicenseProperties{
 //   LicenseDetails: &armhybridcompute.LicenseDetails{
 //    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
 //    AssignedLicenses: to.Ptr[int32](8),
 //    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //    ImmutableID: to.Ptr("<generated Guid>"),
 //    Processors: to.Ptr[int32](6),
 //    State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //   },
 //   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //   TenantID: to.Ptr("{tenandId}"),
 //  },
 // }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2023-06-20-preview/examples/license/License_Get.json
func ExampleLicensesClient_Get() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if
 err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 res, err := clientFactory.NewLicensesClient().Get(ctx, "myResourceGroup", "{licenseName}", nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
```

```
 }
 // You could use response here. We use blank identifier for just demo purposes.
 _ = res
 // If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
 // res.License = armhybridcompute.License{
 //  Name: to.Ptr("{licenseName}"),
 //  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
 //  ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
 //
  Location: to.Ptr("eastus2euap"),
 //  Properties: &armhybridcompute.LicenseProperties{
 //   LicenseDetails: &armhybridcompute.LicenseDetails{
 //    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
 //    AssignedLicenses: to.Ptr[int32](8),
 //    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //    ImmutableID: to.Ptr("<generated Guid>"),
 //    Processors: to.Ptr[int32](6),
 //    State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //   },
 //   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //   TenantID: to.Ptr("{tenandId}"),
 //  },
 // }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2023-06-20-preview/examples/license/License_Delete.json
func ExampleLicensesClient_BeginDelete()
 {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 poller, err := clientFactory.NewLicensesClient().BeginDelete(ctx, "myResourceGroup", "{licenseName}", nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 _, err = poller.PollUntilDone(ctx, nil)
```

```
 if err != nil {
  log.Fatalf("failed to pull the result: %v", err)
 }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2023-06-20-
preview/examples/license/License_ListByResourceGroup.json
func ExampleLicensesClient_NewListByResourceGroupPager() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if
 err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 pager := clientFactory.NewLicensesClient().NewListByResourceGroupPager("myResourceGroup", nil)
 for pager.More() {
  page, err := pager.NextPage(ctx)
  if err != nil {
   log.Fatalf("failed to advance page: %v", err)
  }
  for _, v := range page.Value {
   // You could use page here. We use blank identifier for just demo purposes.
   _ = v
  }
  // If the HTTP response code is 200 as defined in example definition, your page structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
  // page.LicensesListResult = armhybridcompute.LicensesListResult{
  //  Value: []*armhybridcompute.License{
  //   {
  //    Name: to.Ptr("{licenseName}"),
  //
   Type: to.Ptr("Microsoft.HybridCompute/licenses"),
  //    ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
  //    Location: to.Ptr("eastus2euap"),
  //    Properties: &armhybridcompute.LicenseProperties{
  //     LicenseDetails: &armhybridcompute.LicenseDetails{
  //      Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
  //      AssignedLicenses: to.Ptr[int32](8),
  //      Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
  //      ImmutableID: to.Ptr("<generated Guid>"),
```

```
 //      Processors: to.Ptr[int32](6),
 //      State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //      Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //     },
 //     LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //     TenantID: to.Ptr("{tenandId}"),
 //    },
 //  }},
 // }
 }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2023-06-20-
preview/examples/license/License_ListBySubscription.json
func
 ExampleLicensesClient_NewListBySubscriptionPager() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 pager := clientFactory.NewLicensesClient().NewListBySubscriptionPager(nil)
 for pager.More() {
  page, err := pager.NextPage(ctx)
  if err != nil {
   log.Fatalf("failed to advance page: %v", err)
  }
  for _, v := range page.Value {
   // You could use page here. We use blank identifier for just demo purposes.
   _ = v
  }
  // If the HTTP response code is 200 as defined in example definition, your page structure would look as
 follows. Please pay attention that all the values in the output are fake values for just demo purposes.
  // page.LicensesListResult = armhybridcompute.LicensesListResult{
  //  Value: []*armhybridcompute.License{
  //   {
  //    Name: to.Ptr("{licenseName}"),
  //    Type: to.Ptr("Microsoft.HybridCompute/licenses"),
  //    ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
  //    Location: to.Ptr("eastus2euap"),
```

```
//    Properties: &armhybridcompute.LicenseProperties{
//     LicenseDetails: &armhybridcompute.LicenseDetails{
//      Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
//      AssignedLicenses: to.Ptr[int32](8),
//      Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
//      ImmutableID: to.Ptr("<generated Guid>"),
//      Processors: to.Ptr[int32](6),
//      State: to.Ptr(armhybridcompute.LicenseStateActivated),
//      Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
//
    },
//     LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
//     TenantID: to.Ptr("{tenandId}"),
//    },
//  }},
// }
}
}
```

1.6611 xds-go 0.0.0-20240423153145-555b57ec207b

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As of October 2015, more information can be found at the following locations:

Google Closure Compiler
- https://developers.google.com/closure/compiler/

YUI Compressor
- http://yui.github.io/yuicompressor/

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1.6614 contrib-propagators-b3 1.28.0

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1.6615 ipvs 1.1.0

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1.6616 google-cloud-go-longrunning 0.5.9

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package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
 "google.golang.org/api/iterator"
)

func ExampleNewLicensesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will
 require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicensesClient_Delete() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
```

```
 defer c.Close()

 req := &computepb.DeleteLicenseRequest{
  //
 TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
 }
 op, err := c.Delete(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
 }
 resp,
 err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
```

```
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.GetIamPolicyLicenseRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetIamPolicyLicenseRequest.
}
resp, err := c.GetIamPolicy(ctx, req)
if err != nil {
 // TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

func ExampleLicensesClient_Insert()
{
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.InsertLicenseRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
}
op, err := c.Insert(ctx, req)
if err != nil {
 // TODO: Handle error.
}

err = op.Wait(ctx)
if err != nil {
 // TODO: Handle error.
}
```

```
}

func ExampleLicensesClient_List() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template
 only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.ListLicensesRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
 }
 it := c.List(ctx, req)
 for {
  resp, err := it.Next()
  if err == iterator.Done {
   break
  }
  if err != nil {
   // TODO: Handle error.
  }
  // TODO: Use resp.
  _ = resp

  // If you need to access the underlying RPC response,
  // you can do so by casting the `Response` as below.
  // Otherwise, remove this line. Only populated after
  // first call to Next(). Not safe for concurrent access.
  _ = it.Response.(*computepb.LicensesListResponse)
 }
}

func
 ExampleLicensesClient_SetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
```

```
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.SetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
 }
 resp, err := c.SetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically
 generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
 }
 resp, err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleNewLicenseCodesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 //
 - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicenseCodesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
```

```
 }
 defer c.Close()

 req := &computepb.GetLicenseCodeRequest{
  // TODO: Fill request
 struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
 }
 resp, err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseCodeRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
 }
 resp,
 err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
```

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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
//  protoc-gen-go v1.34.2
//  protoc        v4.25.3
// source: google/ai/generativelanguage/v1beta/permission.proto

package generativelanguagepb

import (
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
)

const
 (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Defines types of the grantee of this permission.
type Permission_GranteeType int32

const (
 // The default value. This value is unused.
 Permission_GRANTEE_TYPE_UNSPECIFIED Permission_GranteeType = 0
 // Represents a user. When set, you must provide email_address for the user.
 Permission_USER Permission_GranteeType = 1
 // Represents a group. When set, you must provide email_address for the
 // group.
 Permission_GROUP Permission_GranteeType = 2
 // Represents access to everyone. No extra information is required.
 Permission_EVERYONE Permission_GranteeType = 3
)

// Enum value maps for Permission_GranteeType.
var (
 Permission_GranteeType_name = map[int32]string{
```

```
  0: "GRANTEE_TYPE_UNSPECIFIED",
  1: "USER",
  2:
 "GROUP",
  3: "EVERYONE",
 }
 Permission_GranteeType_value = map[string]int32{
  "GRANTEE_TYPE_UNSPECIFIED": 0,
  "USER":                     1,
  "GROUP":                    2,
  "EVERYONE":                 3,
 }
)

func (x Permission_GranteeType) Enum() *Permission_GranteeType {
 p := new(Permission_GranteeType)
 *p = x
 return p
}

func (x Permission_GranteeType) String() string {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_GranteeType) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0].Descriptor()
}

func (Permission_GranteeType) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0]
}

func (x Permission_GranteeType) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_GranteeType.Descriptor instead.
func (Permission_GranteeType) EnumDescriptor() ([]byte,
 []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 0}
}

// Defines the role granted by this permission.
type Permission_Role int32

const (
 // The default value. This value is unused.
 Permission_ROLE_UNSPECIFIED Permission_Role = 0
```

```
 // Owner can use, update, share and delete the resource.
 Permission_OWNER Permission_Role = 1
 // Writer can use, update and share the resource.
 Permission_WRITER Permission_Role = 2
 // Reader can use the resource.
 Permission_READER Permission_Role = 3
)

// Enum value maps for Permission_Role.
var (
 Permission_Role_name = map[int32]string{
  0: "ROLE_UNSPECIFIED",
  1: "OWNER",
  2: "WRITER",
  3: "READER",
 }
 Permission_Role_value = map[string]int32{
  "ROLE_UNSPECIFIED": 0,
  "OWNER":            1,
  "WRITER":           2,
  "READER":           3,
 }
)

func (x Permission_Role) Enum() *Permission_Role {
 p := new(Permission_Role)
 *p = x
 return p
}

func (x Permission_Role) String() string {
 return
 protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_Role) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1].Descriptor()
}

func (Permission_Role) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1]
}

func (x Permission_Role) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_Role.Descriptor instead.
```

```
func (Permission_Role) EnumDescriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 1}
}

// Permission resource grants user, group or the rest of the world access to the
// PaLM API resource (e.g. a tuned model, corpus).
//
// A role is a collection of permitted operations that allows users to perform
// specific actions on PaLM API resources. To make them available to users,
// groups, or service accounts,
 you assign roles. When you assign a role, you
// grant permissions that the role contains.
//
// There are three concentric roles. Each role is a superset of the previous
// role's permitted operations:
//
// - reader can use the resource (e.g. tuned model, corpus) for inference
// - writer has reader's permissions and additionally can edit and share
// - owner has writer's permissions and additionally can delete
type Permission struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Output only. Identifier. The permission name. A unique name will be
 // generated on create. Examples:
 //
 // tunedModels/{tuned_model}/permissions/{permission}
 // corpora/{corpus}/permissions/{permission}
 //
 // Output only.
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Optional. Immutable. The type of the grantee.
 GranteeType *Permission_GranteeType
`protobuf:"varint,2,opt,name=grantee_type,json=granteeType,proto3,enum=google.ai.generativelanguage.v1beta.Pe
rmission_GranteeType,oneof"
 json:"grantee_type,omitempty"`
 // Optional. Immutable. The email address of the user of group which this
 // permission refers. Field is not set when permission's grantee type is
 // EVERYONE.
 EmailAddress *string `protobuf:"bytes,3,opt,name=email_address,json=emailAddress,proto3,oneof"
json:"email_address,omitempty"`
 // Required. The role granted by this permission.
 Role *Permission_Role
`protobuf:"varint,4,opt,name=role,proto3,enum=google.ai.generativelanguage.v1beta.Permission_Role,oneof"
json:"role,omitempty"`
}
```

```
func (x *Permission) Reset() {
 *x = Permission{}
 if protoimpl.UnsafeEnabled {
  mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  ms.StoreMessageInfo(mi)
 }
}

func (x *Permission) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*Permission) ProtoMessage() {}

func (x *Permission)
 ProtoReflect() protoreflect.Message {
 mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
 if protoimpl.UnsafeEnabled && x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use Permission.ProtoReflect.Descriptor instead.
func (*Permission) Descriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0}
}

func (x *Permission) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *Permission) GetGranteeType() Permission_GranteeType {
 if x != nil && x.GranteeType != nil {
  return *x.GranteeType
 }
 return Permission_GRANTEE_TYPE_UNSPECIFIED
}

func (x *Permission) GetEmailAddress() string {
```

```
 if x != nil && x.EmailAddress != nil {
  return *x.EmailAddress
 }
 return ""
}

func (x *Permission) GetRole() Permission_Role {
 if x != nil && x.Role
 != nil {
  return *x.Role
 }
 return Permission_ROLE_UNSPECIFIED
}

var File_google_ai_generativelanguage_v1beta_permission_proto protoreflect.FileDescriptor

var file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = []byte{
 0x0a, 0x34, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x23, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x1a, 0x1f, 0x67, 0x6f, 0x6f,
 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x62, 0x65,
 0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a,
 0x19, 0x67, 0x6f,
 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75, 0x72, 0x63,
 0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0x85, 0x05, 0x0a, 0x0a, 0x50, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x1a, 0x0a, 0x04, 0x6e, 0x61, 0x6d, 0x65, 0x18, 0x01,
 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x03, 0xe0, 0x41, 0x08, 0x52, 0x04, 0x6e, 0x61,
 0x6d, 0x65, 0x12, 0x6b, 0x0a, 0x0c, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f, 0x74, 0x79,
 0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0e, 0x32, 0x3b, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c,
 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65,
 0x65, 0x54, 0x79, 0x70, 0x65, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x00, 0x52,
 0x0b, 0x67,
 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x88, 0x01, 0x01, 0x12,
 0x30, 0x0a, 0x0d, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73,
 0x18, 0x03, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x01,
 0x52, 0x0c, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x41, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73, 0x88, 0x01,
 0x01, 0x12, 0x52, 0x0a, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x18, 0x04, 0x20, 0x01, 0x28, 0x0e, 0x32,
 0x34, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x52, 0x6f, 0x6c, 0x65, 0x42, 0x03, 0xe0, 0x41, 0x02, 0x48, 0x02, 0x52, 0x04, 0x72, 0x6f,
 0x6c, 0x65, 0x88, 0x01, 0x01, 0x22, 0x4e, 0x0a, 0x0b, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65,
 0x54, 0x79, 0x70, 0x65, 0x12, 0x1c, 0x0a,
```

```
 0x18, 0x47, 0x52, 0x41, 0x4e, 0x54, 0x45, 0x45, 0x5f,
 0x54, 0x59, 0x50, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45, 0x44,
 0x10, 0x00, 0x12, 0x08, 0x0a, 0x04, 0x55, 0x53, 0x45, 0x52, 0x10, 0x01, 0x12, 0x09, 0x0a, 0x05,
 0x47, 0x52, 0x4f, 0x55, 0x50, 0x10, 0x02, 0x12, 0x0c, 0x0a, 0x08, 0x45, 0x56, 0x45, 0x52, 0x59,
 0x4f, 0x4e, 0x45, 0x10, 0x03, 0x22, 0x3f, 0x0a, 0x04, 0x52, 0x6f, 0x6c, 0x65, 0x12, 0x14, 0x0a,
 0x10, 0x52, 0x4f, 0x4c, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45,
 0x44, 0x10, 0x00, 0x12, 0x09, 0x0a, 0x05, 0x4f, 0x57, 0x4e, 0x45, 0x52, 0x10, 0x01, 0x12, 0x0a,
 0x0a, 0x06, 0x57, 0x52, 0x49, 0x54, 0x45, 0x52, 0x10, 0x02, 0x12, 0x0a, 0x0a, 0x06, 0x52, 0x45,
 0x41, 0x44, 0x45, 0x52, 0x10, 0x03, 0x3a, 0xaa, 0x01, 0xea, 0x41, 0xa6, 0x01, 0x0a, 0x2c, 0x67,
 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67,
 0x65, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73,
 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x32, 0x74, 0x75, 0x6e,
 0x65, 0x64, 0x4d, 0x6f, 0x64, 0x65, 0x6c, 0x73, 0x2f, 0x7b, 0x74, 0x75, 0x6e, 0x65, 0x64, 0x5f,
 0x6d, 0x6f, 0x64, 0x65, 0x6c, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f,
 0x6e, 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x12,
 0x29, 0x63, 0x6f, 0x72, 0x70, 0x6f, 0x72, 0x61, 0x2f, 0x7b, 0x63, 0x6f, 0x72, 0x70, 0x75, 0x73,
 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x2f, 0x7b, 0x70,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x2a, 0x0b, 0x70, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x32, 0x0a, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73,
 0x69, 0x6f, 0x6e, 0x42, 0x0f, 0x0a, 0x0d, 0x5f, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f,
 0x74, 0x79, 0x70, 0x65, 0x42, 0x10, 0x0a, 0x0e, 0x5f, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61,
 0x64,
 0x64, 0x72, 0x65, 0x73, 0x73, 0x42, 0x07, 0x0a, 0x05, 0x5f, 0x72, 0x6f, 0x6c, 0x65, 0x42,
 0x9b, 0x01, 0x0a, 0x27, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x42, 0x0f, 0x50, 0x65, 0x72,
 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x50, 0x01, 0x5a, 0x5d,
 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x67, 0x6f, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76,
 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x76, 0x31, 0x62,
 0x65, 0x74, 0x61, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61,
 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x3b, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74,
 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e,
 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x62, 0x06, 0x70,
 0x72, 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce sync.Once
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc
)

func file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP() []byte {
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce.Do(func() {
  file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData)
```

```
 })
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData
}

var file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes = make([]protoimpl.EnumInfo, 2)
var file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes = make([]protoimpl.MessageInfo, 1)
var file_google_ai_generativelanguage_v1beta_permission_proto_goTypes
 = []any{
 (Permission_GranteeType)(0), // 0: google.ai.generativelanguage.v1beta.Permission.GranteeType
 (Permission_Role)(0),        // 1: google.ai.generativelanguage.v1beta.Permission.Role
 (*Permission)(nil),          // 2: google.ai.generativelanguage.v1beta.Permission
}
var file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = []int32{
 0, // 0: google.ai.generativelanguage.v1beta.Permission.grantee_type:type_name ->
google.ai.generativelanguage.v1beta.Permission.GranteeType
 1, // 1: google.ai.generativelanguage.v1beta.Permission.role:type_name ->
google.ai.generativelanguage.v1beta.Permission.Role
 2, // [2:2] is the sub-list for method output_type
 2, // [2:2] is the sub-list for method input_type
 2, // [2:2] is the sub-list for extension type_name
 2, // [2:2] is the sub-list for extension extendee
 0, // [0:2] is the sub-list for field type_name
}

func init() { file_google_ai_generativelanguage_v1beta_permission_proto_init() }
func
 file_google_ai_generativelanguage_v1beta_permission_proto_init() {
 if File_google_ai_generativelanguage_v1beta_permission_proto != nil {
  return
 }
 if !protoimpl.UnsafeEnabled {
  file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].Exporter = func(v any, i int) any {
   switch v := v.(*Permission); i {
   case 0:
    return &v.state
   case 1:
    return &v.sizeCache
   case 2:
    return &v.unknownFields
   default:
    return nil
   }
  }
 }
 file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].OneofWrappers = []any{}
 type x struct{}
 out := protoimpl.TypeBuilder{
  File: protoimpl.DescBuilder{
```

```
  GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
  RawDescriptor: file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc,
  NumEnums:      2,
  NumMessages:   1,
  NumExtensions: 0,
  NumServices:   0,
 },
 GoTypes:          file_google_ai_generativelanguage_v1beta_permission_proto_goTypes,
 DependencyIndexes: file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs,
 EnumInfos:
       file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes,
 MessageInfos:      file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes,
}.Build()
File_google_ai_generativelanguage_v1beta_permission_proto = out.File
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = nil
file_google_ai_generativelanguage_v1beta_permission_proto_goTypes = nil
file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = nil
}
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//     https://www.apache.org/licenses/LICENSE-2.0
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// distributed under the License is distributed on an "AS IS" BASIS,
// WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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// limitations under the License.

// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute

import (
 "bytes"
 "context"
 "fmt"
 "io"
 "math"
 "net/http"
 "net/url"
 "time"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
```

```
 "google.golang.org/api/googleapi"
 "google.golang.org/api/iterator"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport
 "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/protobuf/encoding/protojson"
 "google.golang.org/protobuf/proto"
)

var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
 Delete            []gax.CallOption
 Get               []gax.CallOption
 GetIamPolicy      []gax.CallOption
 Insert            []gax.CallOption
 List              []gax.CallOption
 SetIamPolicy      []gax.CallOption
 TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
 return &LicensesCallOptions{
  Delete: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  Get: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  GetIamPolicy:
 []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
```

```
    Multiplier: 1.30,
   },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
  }),
 },
 Insert: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
 },
 List: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
  gax.WithRetry(func() gax.Retryer {
   return gax.OnHTTPCodes(gax.Backoff{
    Initial:    100 * time.Millisecond,
    Max:        60000 * time.Millisecond,
    Multiplier: 1.30,
   },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
  }),
 },
 SetIamPolicy: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
 },
 TestIamPermissions: []gax.CallOption{
  gax.WithTimeout(600000
* time.Millisecond),
 },
}
}

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
 Close() error
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
 Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
 Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
 GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
 List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
 SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse,
 error)
}
```

```
// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicensesClient

 // The call options for this service.
 CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
 return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

//
 Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
 return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
```

```
(*computepb.License, error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy
 for a resource. May be empty if no such policy or resource exists. Caution This resource is intended for use only by
third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
 return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
 list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-
cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating
Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption)
*LicenseIterator {
 return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use
 only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
```

```
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // operationClient is used to call the operation-specific management service.
 operationClient *GlobalOperationsClient

 // The x-goog-* headers to be sent with each request.
 xGoogHeaders []string

 // Points back to the CallOptions field of the containing LicensesClient
 CallOptions **LicensesCallOptions
}

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx
 context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
 clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicensesRESTCallOptions()
 c := &licensesRESTClient{
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
 }
 c.setGoogleClientInfo()

 o := []option.ClientOption{
  option.WithHTTPClient(httpClient),
  option.WithEndpoint(endpoint),
 }
 opC, err := NewGlobalOperationsRESTClient(ctx, o...)
 if err != nil {
  return nil, err
 }
 c.operationClient = opC

 return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}
```

```
func defaultLicensesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultEndpointTemplate("https://compute.UNIVERSE_DOMAIN"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultUniverseDomain("googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
  internaloption.EnableNewAuthLibrary(),
 }
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogHeaders = []string{
  "x-goog-api-client", gax.XGoogHeader(kv...),
 }
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
 // Replace httpClient with nil to force cleanup.
 c.httpClient
 = nil
 if err := c.operationClient.Close(); err != nil {
  return err
 }
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
 return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 baseUrl, err := url.Parse(c.endpoint)
```

```
if err != nil {
 return nil, err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

params := url.Values{}
if req != nil && req.RequestId != nil {
 params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
hds := []string{"x-goog-request-params",
fmt.Sprintf("%s=%v&%s=%v", "project", url.QueryEscape(req.GetProject()), "license",
url.QueryEscape(req.GetLicense()))}

hds = append(c.xGoogHeaders, hds...)
hds = append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf,
err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
```

```
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()),
 "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.License{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
```

```
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err
:= unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

 params := url.Values{}
 if req != nil && req.OptionsRequestedPolicyVersion != nil {
  params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
 }
```

```
baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and
context metadata.
hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

hds = append(c.xGoogHeaders, hds...)
hds = append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Policy{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp);
err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
```

```
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetLicenseResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId",
 fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v", "project", url.QueryEscape(req.GetProject()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
```

```
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err !=
nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}
```

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```
func (c *licensesRESTClient)
 List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
 it := &LicenseIterator{}
 req = proto.Clone(req).(*computepb.ListLicensesRequest)
```

```
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
 resp := &computepb.LicensesListResponse{}
 if pageToken != "" {
  req.PageToken = proto.String(pageToken)
 }
 if pageSize > math.MaxInt32 {
  req.MaxResults = proto.Uint32(math.MaxInt32)
 } else if pageSize != 0 {
  req.MaxResults = proto.Uint32(uint32(pageSize))
 }
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, "", err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.Filter != nil {
  params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
 }
 if req != nil && req.MaxResults != nil {
  params.Add("maxResults",
fmt.Sprintf("%v", req.GetMaxResults()))
 }
 if req != nil && req.OrderBy != nil {
  params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
 }
 if req != nil && req.PageToken != nil {
  params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
 }
 if req != nil && req.ReturnPartialSuccess != nil {
  params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := append(c.xGoogHeaders, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
```

```
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return
err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, "", e
 }
 it.Response = resp
 return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
 items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
 if err != nil {
  return "", err
 }
 it.items = append(it.items, items...)
 return nextPageToken, nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()

return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
```

```
resource is intended for use only
 by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetGlobalSetPolicyRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
 opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
```

```
  return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// TestIamPermissions returns permissions that a caller has on
 the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type",
 "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
```

```
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return
 nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}
```

1.6617 regexp 0.0.0-20240518133315-a468a5bfb3bc

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1.6618 ebpf 0.11.0

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1.6619 feign-slf4j 13.3

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-->

Found in path(s):
* /opt/cola/permits/2309154698_1736211201.5340936/0/feign-slf4j-13-3-jar/META-INF/maven/io.github.openfeign/feign-slf4j/pom.xml
No license file was found, but licenses were detected in source scan.

Manifest-Version: 1.0
Created-By: Apache Maven Bundle Plugin 5.1.9
Build-Jdk-Spec: 21
Build-Tool-Jdk-Spec: 21
Bnd-LastModified: 1718906005718
Bundle-Description: Feign SLF4J
Bundle-DocURL: https://github.com/openfeign
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Feign SLF4J
Bundle-SymbolicName: io.github.openfeign.feign-slf4j
Bundle-Vendor: OpenFeign
Bundle-Version: 13.3.0
Export-Package: feign.slf4j;uses:="feign,org.slf4j";version="13.3.0"
Import-Package: feign;version="[13.3,14)",org.slf4j;version="[2.0,3)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Tool: Bnd-6.3.1.202206071316

Found in path(s):
* /opt/cola/permits/2309154698_1736211201.5340936/0/feign-slf4j-13-3-jar/META-INF/MANIFEST.MF

1.6620 kubernetes-apiserver-extensions 0.31.0

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1.6621 analysis 0.23.0

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1.6625 strfmt 0.23.0

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1.6626 codegangsta-cli 1.22.14

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1.6627 go-yaml 1.11.3

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1.6629 jetty-util 12.0.16

1.6629.1 Available under license :

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```
/*
* @(#)UnixCrypt.java 0.9 96/11/25
*
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```
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// https://www.eclipse.org/legal/epl-2.0, or the Apache License, Version 2.0
/**
* Ensures serial invocation of submitted tasks.
* <p>
* The {@link InvocationType} of the {@link Runnable} returned from this class is
* always {@link InvocationType#BLOCKING} since a blocking task may be added to the queue
* at any time.
* <p>
* This class was inspired by the public domain class
* <a href="https://github.com/jroper/reactive-streams-servlet/blob/master/reactive-streams-
```

servlet/src/main/java/org/reactivestreams/servlet/NonBlockingMutexExecutor.java">NonBlockingMutexExecutor
* </p>
*/

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* /opt/cola/permits/2309188664_1736217816.0457635/0/jetty-util-12-0-16-sources-1-jar/org/eclipse/jetty/util/thread/SerializedInvoker.java
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1.6630 jetty-security 12.0.16

1.6630.1 Available under license :

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* /opt/cola/permits/2309190326_1736218192.954267/0/jetty-security-12-0-16-sources-1-jar/org/eclipse/jetty/security/authentication/FormAuthenticator.java
* /opt/cola/permits/2309190326_1736218192.954267/0/jetty-security-12-0-16-sources-1-jar/org/eclipse/jetty/security/UserIdentity.java
* /opt/cola/permits/2309190326_1736218192.954267/0/jetty-security-12-0-16-sources-1-jar/org/eclipse/jetty/security/jaas/JAASRole.java
* /opt/cola/permits/2309190326_1736218192.954267/0/jetty-security-12-0-16-sources-1-jar/org/eclipse/jetty/security/RolePrincipal.java
* /opt/cola/permits/2309190326_1736218192.954267/0/jetty-security-12-0-16-sources-1-jar/org/eclipse/jetty/security/internal/DefaultUserIdentity.java
* /opt/cola/permits/2309190326_1736218192.954267/0/jetty-security-12-0-16-sources-1-jar/org/eclipse/jetty/security/SPNEGOLoginService.java
* /opt/cola/permits/2309190326_1736218192.954267/0/jetty-security-12-0-16-sources-1-jar/org/eclipse/jetty/security/UserPrincipal.java
* /opt/cola/permits/2309190326_1736218192.954267/0/jetty-security-12-0-16-sources-1-jar/org/eclipse/jetty/security/authentication/DigestAuthenticator.java
* /opt/cola/permits/2309190326_1736218192.954267/0/jetty-security-12-0-16-sources-1-jar/org/eclipse/jetty/security/RoleDelegateUserIdentity.java
* /opt/cola/permits/2309190326_1736218192.954267/0/jetty-security-12-0-16-sources-1-jar/org/eclipse/jetty/security/jaas/callback/AbstractCallbackHandler.java
* /opt/cola/permits/2309190326_1736218192.954267/0/jetty-security-12-0-16-sources-1-jar/org/eclipse/jetty/security/jaas/package-info.java
* /opt/cola/permits/2309190326_1736218192.954267/0/jetty-security-12-0-16-sources-1-jar/org/eclipse/jetty/security/jaas/spi/JDBCLoginModule.java
* /opt/cola/permits/2309190326_1736218192.954267/0/jetty-security-12-0-16-sources-1-jar/org/eclipse/jetty/security/jaas/spi/package-info.java
* /opt/cola/permits/2309190326_1736218192.954267/0/jetty-security-12-0-16-sources-1-jar/org/eclipse/jetty/security/ServerAuthException.java
* /opt/cola/permits/2309190326_1736218192.954267/0/jetty-security-12-0-16-sources-1-jar/org/eclipse/jetty/security/authentication/SslClientCertAuthenticator.java
* /opt/cola/permits/2309190326_1736218192.954267/0/jetty-security-12-0-16-sources-1-jar/org/eclipse/jetty/security/SecurityHandler.java
* /opt/cola/permits/2309190326_1736218192.954267/0/jetty-security-12-0-16-sources-1-

jar/org/eclipse/jetty/security/internal/DeferredAuthenticationState.java

1.6631 netty-tcnative-classes 2.0.65.Final

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* /opt/cola/permits/2309188611_1736218396.001439/0/netty-tcnative-classes-2-0-65-final-sources-2-jar/io/netty/internal/tcnative/NativeStaticallyReferencedJniMethods.java
* /opt/cola/permits/2309188611_1736218396.001439/0/netty-tcnative-classes-2-0-65-final-sources-2-jar/io/netty/internal/tcnative/SniHostNameMatcher.java

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* /opt/cola/permits/2309188611_1736218396.001439/0/netty-tcnative-classes-2-0-65-final-sources-2-jar/io/netty/internal/tcnative/CertificateCompressionAlgo.java
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* /opt/cola/permits/2309188611_1736218396.001439/0/netty-tcnative-classes-2-0-65-final-sources-2-jar/io/netty/internal/tcnative/SSLPrivateKeyMethod.java
* /opt/cola/permits/2309188611_1736218396.001439/0/netty-tcnative-classes-2-0-65-final-sources-2-jar/io/netty/internal/tcnative/SSLPrivateKeyMethodSignTask.java
* /opt/cola/permits/2309188611_1736218396.001439/0/netty-tcnative-classes-2-0-65-final-sources-2-jar/io/netty/internal/tcnative/SSLPrivateKeyMethodDecryptTask.java
* /opt/cola/permits/2309188611_1736218396.001439/0/netty-tcnative-classes-2-0-65-final-sources-2-jar/io/netty/internal/tcnative/CertificateCallbackTask.java
* /opt/cola/permits/2309188611_1736218396.001439/0/netty-tcnative-classes-2-0-65-final-sources-2-jar/io/netty/internal/tcnative/CertificateVerifierTask.java
* /opt/cola/permits/2309188611_1736218396.001439/0/netty-tcnative-classes-2-0-65-final-sources-2-jar/io/netty/internal/tcnative/SSLTask.java
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* /opt/cola/permits/2309188611_1736218396.001439/0/netty-tcnative-classes-2-0-65-final-sources-2-jar/io/netty/internal/tcnative/SSLSession.java
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* /opt/cola/permits/2309188611_1736218396.001439/0/netty-tcnative-classes-2-0-65-final-sources-2-jar/io/netty/internal/tcnative/AsyncSSLPrivateKeyMethodAdapter.java
* /opt/cola/permits/2309188611_1736218396.001439/0/netty-tcnative-classes-2-0-65-final-sources-2-jar/io/netty/internal/tcnative/AsyncSSLPrivateKeyMethod.java
* /opt/cola/permits/2309188611_1736218396.001439/0/netty-tcnative-classes-2-0-65-final-sources-2-jar/io/netty/internal/tcnative/ResultCallback.java
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* /opt/cola/permits/2309188611_1736218396.001439/0/netty-tcnative-classes-2-0-65-final-sources-2-jar/io/netty/internal/tcnative/SessionTicketKey.java
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* /opt/cola/permits/2309188611_1736218396.001439/0/netty-tcnative-classes-2-0-65-final-sources-2-jar/io/netty/internal/tcnative/Library.java
* /opt/cola/permits/2309188611_1736218396.001439/0/netty-tcnative-classes-2-0-65-final-sources-2-

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*/
/**
   * Set the maximum number of bytes for the certificate chain during handshake.
   * See
   * <a
href="https://www.openssl.org/docs/man1.1.1/man3/SSL_CTX_set_max_cert_list.html">SSL_CTX_set_max_cert_
list</a>
   * for more details.
   * @param ctx context to use
   * @param size the maximum number of bytes
   */
```

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* /opt/cola/permits/2309188611_1736218396.001439/0/netty-tcnative-classes-2-0-65-final-sources-2-jar/io/netty/internal/tcnative/SSLContext.java

1.6632 jetty 12.0.16

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* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/Syntax.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/MultiPartConfig.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/MutableHttpFields.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/pathmap/PathMappings.java
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* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/content/FileMappingHttpContentFactory.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/DateParser.java
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* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/pathmap/MatchedResource.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/pathmap/ServletPathSpec.java
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* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/pathmap/UriTemplatePathSpec.java

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* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/QuotedCSV.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/RFC6265SetCookieParser.java
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* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/RFC6265CookieParser.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/content/CachingHttpContentFactory.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/PreEncodedHttpField.java
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* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/pathmap/MappedResource.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/HttpScheme.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/compression/EncodingException.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/compression/Huffman.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/CookieCompliance.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/HttpMethod.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-

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* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/HttpTokens.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/Trailers.java
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* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/compression/NBitStringDecoder.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/ComplianceViolationException.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/CookieCache.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/DateGenerator.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/QuotedCSVParser.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/Http10FieldPreEncoder.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/HttpException.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/MetaData.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/pathmap/PathSpec.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/pathmap/PathSpecSet.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/HttpFieldsMap.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/pathmap/AbstractPathSpec.java
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* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/HttpTester.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/content/ResourceHttpContentFactory.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/UriCompliance.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/content/HttpContent.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/compression/NBitIntegerDecoder.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/ByteRange.java

* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/HttpVersion.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/CookieCutter.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/compression/HuffmanEncoder.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/pathmap/RegexPathSpec.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/HttpField.java
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/opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/content/ValidatingCachingHttpContentFactory.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/content/ResourceHttpContent.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/MimeTypes.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/compression/NBitStringEncoder.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/HostPortHttpField.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/pathmap/PathSpecGroup.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/content/PreCompressedHttpContent.java
*
/opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/MultiPart.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/pathmap/MatchedPath.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/Http1FieldPreEncoder.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/GZIPContentDecoder.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/compression/HuffmanDecoder.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/content/PreCompressedHttpContentFactory.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/EtagUtils.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/package-info.java
*
/opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/HttpCookieStore.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/ImmutableHttpFields.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-

jar/org/eclipse/jetty/http/HttpDateTime.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/org/eclipse/jetty/http/MultiPartFormData.java
* /opt/cola/permits/2309188090_1736218505.352728/0/jetty-http-12-0-16-sources-1-jar/module-info.java

1.6633 classgraph 4.8.174

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```
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* This file is part of ClassGraph.
*
* Author: Michael J. Simons
*
* Hosted at: https://github.com/classgraph/classgraph
*
* --
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* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classloaderhandler/SpringBootRestartClassLoaderHandler.java

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* This file is part of ClassGraph.
*
* Author: Luke Hutchison
*
* Hosted at: https://github.com/classgraph/classgraph
*
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* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/fileslice/reader/SequentialReader.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/fileslice/ArraySlice.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/fileslice/reader/RandomAccessFileChannelReader.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/fileslice/reader/ClassfileReader.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/fileslice/reader/RandomAccessArrayReader.java
*

/opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/fileslice/reader/RandomAccessReader.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/fileslice/PathSlice.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/fileslice/FileSlice.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/fileslice/Slice.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/fileslice/reader/RandomAccessByteBufferReader.java
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```
/*
* This file is part of ClassGraph.
*
* Author: Luke Hutchison
*
* Hosted at: https://github.com/classgraph/classgraph
*
* --
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* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/MappableInfoList.java

* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/MethodInfoList.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ModulePathInfo.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ClassInfo.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/Resource.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/recycler/RecycleOnClose.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/types/ParseException.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/json/JSONDeserializer.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/InfoList.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/MethodParameterInfo.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ClassRefOrTypeVariableSignature.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classloaderhandler/JPMSClassLoaderHandler.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ClassTypeSignature.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/AnnotationInfoList.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classloaderhandler/WeblogicClassLoaderHandler.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/concurrency/InterruptionChecker.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classloaderhandler/FallbackClassLoaderHandler.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classloaderhandler/UnoOneJarClassLoaderHandler.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/HasName.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ObjectTypedValueWrapper.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classloaderhandler/ParentLastDelegationOrderTestClassLoaderHandler.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ClassRefTypeSignature.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classloaderhandler/TomcatWebappClassLoaderBaseHandler.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-

jar/nonapi/io/github/classgraph/classloaderhandler/EquinoxClassLoaderHandler.java
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* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/PotentiallyUnmodifiableList.java
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* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/BaseTypeSignature.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classpath/ClassLoaderOrder.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/FieldInfoList.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/utils/LogNode.java
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* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/fastzipfilereader/FastZipEntry.java
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* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/utils/CollectionUtils.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ClassGraphException.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classloaderhandler/ClassGraphClassLoaderHandler.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classloaderhandler/URLClassLoaderHandler.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ClassGraphClassLoader.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/TypeVariableSignature.java
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* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/MethodInfo.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classpath/ClassLoaderFinder.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/fastzipfilereader/PhysicalZipFile.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ClassMemberInfo.java

* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/recycler/Resettable.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ScanResultObject.java
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/opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/json/JSONSerializer.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/recycler/Recycler.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/json/JSONParser.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classpath/ClasspathOrder.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/concurrency/SingletonMap.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/TypeParameter.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classloaderhandler/EquinoxContextFinderClassLoaderHandler.java
*
/opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/fastzipfilereader/NestedJarHandler.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/utils/StringUtils.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classpath/SystemJarFinder.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ModuleReaderProxy.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/Scanner.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classpath/ModuleFinder.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/utils/ProxyingInputStream.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/json/JSONReference.java
*
/opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/json/ParameterizedTypeImpl.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/Classfile.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ClasspathElementDir.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ArrayTypeSignature.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/scanspec/ScanSpec.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-

jar/nonapi/io/github/classgraph/json/ReferenceEqualityKey.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ClasspathElement.java
*
/opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/AnnotationParameterValue.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ModuleRef.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/utils/JarUtils.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/json/ClassFieldCache.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/fastzipfilereader/ZipFileSlice.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ReferenceTypeSignature.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classloaderhandler/PlexusClassWorldsClassRealmClassLoaderHandler.java
*
/opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/HierarchicalTypeSignature.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classpath/ClasspathFinder.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classpath/CallStackReader.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/TypeSignature.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/json/ClassFields.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classloaderhandler/OSGiDefaultClassLoaderHandler.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/AnnotationEnumValue.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/json/Id.java
*
/opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/PackageInfo.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/reflection/ReflectionUtils.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/FieldInfo.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/types/TypeUtils.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/concurrency/WorkQueue.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/json/JSONArray.java

* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/scanspec/AcceptReject.java
*
/opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/fastzipfilereader/LogicalZipFile.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/json/FieldTypeInfo.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/json/JSONObject.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/types/Parser.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/AnnotationClassRef.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/utils/URLPathEncoder.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/GraphvizDotfileGenerator.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ModuleInfoList.java
*
/opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ClassInfoList.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ArrayClassInfo.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/PackageInfoList.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ClassGraph.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classloaderhandler/ClassLoaderHandler.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/utils/VersionFinder.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/MethodTypeSignature.java
*
/opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ScanResult.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/json/JSONUtils.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ClasspathElementZip.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classloaderhandler/ClassLoaderHandlerRegistry.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/ClasspathElementModule.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/AnnotationInfo.java

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```
/*
* This file is part of ClassGraph.
*
* Author: Luke Hutchison (luke.hutch@gmail.com)
*
* Hosted at: https://github.com/classgraph/classgraph
*
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/*
* This file is part of ClassGraph.
*
* Author: @mcollovati
*
* Hosted at: https://github.com/classgraph/classgraph
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* Author: Luke Hutchison
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* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/reflection/StandardReflectionDriver.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/reflection/JVMDriverReflectionDriver.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/classloaderhandler/CxfContainerClassLoaderHandler.java
* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/reflection/ReflectionDriver.java
*
 /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/io/github/classgraph/CloseableByteBuffer.java
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/*
* This file is part of ClassGraph.
*
* Author: R. Kempees
*
* With contributions from @cpierceworld (#414)
*
* Hosted at: https://github.com/classgraph/classgraph
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/*
* This file is part of ClassGraph.
*
* Author: Sergey Bespalov
*
* Hosted at: https://github.com/classgraph/classgraph
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*
* Author: @jacobg on GitHub
*
* Hosted at: https://github.com/classgraph/classgraph
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/*
* This file is part of ClassGraph.
*
* Author: Johno Crawford (johno@sulake.com)
*
* Hosted at: https://github.com/classgraph/classgraph
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* /opt/cola/permits/2309190009_1736218313.700907/0/classgraph-4-8-174-sources-1-jar/nonapi/io/github/classgraph/concurrency/AutoCloseableExecutorService.java
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* This file is part of ClassGraph.
*
* Author: Luke Hutchison
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* Hosted at: https://github.com/classgraph/classgraph
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/*
* This file is part of ClassGraph.
*
* Author: Harith Elrufaie
*
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* Hosted at: https://github.com/classgraph/classgraph
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* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/AbstractSessionDataStore.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/FileSessionDataStoreFactory.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-

jar/org/eclipse/jetty/session/HouseKeeper.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/SessionDataMap.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/ManagedSession.java
*
/opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/SessionCacheFactory.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/DefaultSessionIdManager.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/NullSessionCache.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/NullSessionCacheFactory.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/AbstractSessionCache.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/FileSessionDataStore.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/SessionDataStoreFactory.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/AbstractSessionCacheFactory.java
*
/opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/SessionDataStore.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/UnwriteableSessionDataException.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/DefaultSessionCacheFactory.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/DatabaseAdaptor.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/JDBCSessionDataStoreFactory.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/module-info.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/package-info.java
*
/opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/SessionIdManager.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/NullSessionDataStore.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/SessionConfig.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/CachingSessionDataStoreFactory.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/DefaultSessionCache.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-

jar/org/eclipse/jetty/session/JDBCSessionDataStore.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/UnreadableSessionDataException.java
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/opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/AbstractSessionManager.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/ObjectStreamSessionDataStore.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/SessionInactivityTimer.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/SessionData.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/NullSessionDataStoreFactory.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/SessionManager.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/SessionCache.java
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/opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/SessionContext.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/AbstractSessionDataStoreFactory.java
* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/SessionHandler.java
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* /opt/cola/permits/2309190352_1736218323.8731554/0/jetty-session-12-0-16-sources-1-jar/org/eclipse/jetty/session/SessionDataMapFactory.java

1.6635 logback-core 1.4.12

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* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/model/SerializeModelModel.java
* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/testUtil/DummyEncoder.java
* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/model/processor/SerializeModelModelHandler.java
* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/testUtil/XTeeOutputStream.java
* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/encoder/JsonEscapeUtil.java
* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/joran/ModelClassToModelHandlerLinkerBase.java
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* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/model/processor/AppenderModelHandler.java
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* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/rolling/helper/TimeBasedArchiveRemover.java
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* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/model/processor/DefaultProcessor.java
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* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/util/EnvUtil.java
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* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/testUtil/CoreTestConstants.java
* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/testUtil/EnvUtilForTests.java
* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/spi/ConfigurationEvent.java
*
 /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/testUtil/NPEAppender.java
* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/testUtil/RandomUtil.java
* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/testUtil/TeeOutputStream.java
* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/testUtil/TrivialStatusListener.java
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jar/ch/qos/logback/core/util/SimpleInvocationGate.java
* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/testUtil/MockInitialContextFactory.java
* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/testUtil/DelayingListAppender.java
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/opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/testUtil/FileToBufferUtil.java
* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/testUtil/FileTestUtil.java
* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/testUtil/StringListAppender.java
* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/spi/ConfigurationEventListener.java
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* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/model/conditional/ElseModel.java
* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/rolling/TimeBasedRollingPolicy.java
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* /opt/cola/permits/2309201978_1736217647.1181686/0/logback-core-1-4-12-sources-1-jar/ch/qos/logback/core/rolling/helper/TokenConverter.java
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1.6642 protobuf-go 1.36.0

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1.6647 spring-cloud-openfeign-core 4.1.3

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1.6649 google-cloud-go-iam 0.8.0

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```

```
package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleNewLicenseCodesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 //
 - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicenseCodesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
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 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseCodeRequest{
  // TODO: Fill request
 struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
 }
 resp, err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
```

```
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseCodeRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
 }
 resp,
 err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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package compute_test
```

```
import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
 "google.golang.org/api/iterator"
)

func ExampleNewLicensesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will
 require modifications to work:
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 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicensesClient_Delete() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.DeleteLicenseRequest{
  //
 TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
 }
 op, err := c.Delete(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
```

```
 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
 }
 resp,
 err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
```

```
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetIamPolicyLicenseRequest.
 }
 resp, err := c.GetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_Insert()
 {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.InsertLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
 }
 op, err := c.Insert(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_List() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template
 only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
```

```
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.ListLicensesRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
 }
 it := c.List(ctx, req)
 for {
  resp, err := it.Next()
  if err == iterator.Done {
   break
  }
  if err != nil {
   // TODO: Handle error.
  }
  // TODO: Use resp.
  _ = resp
 }
}

func ExampleLicensesClient_SetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range
 values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.SetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
 }
 resp, err := c.SetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
```

```
func ExampleLicensesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown
 in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
 }
 resp, err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute

import (
 "bytes"
 "context"
 "fmt"
```

```
 "io/ioutil"
 "math"
 "net/http"
 "net/url"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/googleapi"
 "google.golang.org/api/iterator"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport
 "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/grpc/metadata"
 "google.golang.org/protobuf/encoding/protojson"
 "google.golang.org/protobuf/proto"
)

var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
 Delete            []gax.CallOption
 Get               []gax.CallOption
 GetIamPolicy      []gax.CallOption
 Insert            []gax.CallOption
 List              []gax.CallOption
 SetIamPolicy      []gax.CallOption
 TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
 return &LicensesCallOptions{
  Delete:            []gax.CallOption{},
  Get:               []gax.CallOption{},
  GetIamPolicy:      []gax.CallOption{},
  Insert:            []gax.CallOption{},
  List:              []gax.CallOption{},
  SetIamPolicy:      []gax.CallOption{},
  TestIamPermissions: []gax.CallOption{},
 }
}

//
 internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
 Close() error
```

```
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
 Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
 Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
 GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
 List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
 SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse, error)
}

// LicensesClient
 is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicensesClient

 // The call options for this service.
 CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
 return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

// Connection returns a connection to the API service.
//
//
 Deprecated: Connections are now pooled so this method does not always
// return the same resource.
```

```
func (c *LicensesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
 return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption) (*computepb.License, error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource
 exists. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
 return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a list of publicly-available licenses, use this method
 to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
 return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.SetIamPolicy(ctx, req, opts...)
```

```
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud
 Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // operationClient is used to call the operation-specific management service.
 operationClient *GlobalOperationsClient

 // The x-goog-* metadata to be sent with each request.
 xGoogMetadata metadata.MD

 // Points back to the CallOptions field of the containing LicensesClient
 CallOptions **LicensesCallOptions
}

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx context.Context, opts ...option.ClientOption)
 (*LicensesClient, error) {
 clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicensesRESTCallOptions()
 c := &licensesRESTClient{
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
 }
 c.setGoogleClientInfo()
```

```
 o := []option.ClientOption{
  option.WithHTTPClient(httpClient),
  option.WithEndpoint(endpoint),
 }
 opC, err := NewGlobalOperationsRESTClient(ctx, o...)
 if err != nil {
  return nil, err
 }
 c.operationClient = opC

 return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
 }
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", versionGo()}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogMetadata = metadata.Pairs("x-goog-api-client", gax.XGoogHeader(kv...))
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
 // Replace httpClient with nil to force cleanup.
 c.httpClient = nil
 if err := c.operationClient.Close(); err != nil {
  return err
 }
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection()
```

```
 *grpc.ClientConn {
 return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense())))

 headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type",
 "application/json"))
 opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
```

```
  return err
 }

 buf, err := ioutil.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return maybeUnknownEnum(err)
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:
     c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 // Build HTTP headers from client and context metadata.
 md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense())))

 headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)],
 opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.License{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
```

```
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := ioutil.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return maybeUnknownEnum(err)
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource
 exists. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace
images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())
```

```
 params := url.Values{}
 if req != nil && req.OptionsRequestedPolicyVersion != nil {
  params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource())))

 headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type",
 "application/json"))
 opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := ioutil.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return maybeUnknownEnum(err)
  }
```

```
 return nil
 }, opts...)
 if e != nil {
  return
 nil, e
 }
 return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetLicenseResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v", "project",
url.QueryEscape(req.GetProject())))

 headers
 := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
 opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
```

```
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := ioutil.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return maybeUnknownEnum(err)
 }

 return
nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}
```

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```
func (c *licensesRESTClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts
...gax.CallOption) *LicenseIterator {
```

```
it := &LicenseIterator{}
req = proto.Clone(req).(*computepb.ListLicensesRequest)
unm := protojson.UnmarshalOptions{AllowPartial: true,
DiscardUnknown: true}
it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
 resp := &computepb.LicensesListResponse{}
 if pageToken != "" {
  req.PageToken = proto.String(pageToken)
 }
 if pageSize > math.MaxInt32 {
  req.MaxResults = proto.Uint32(math.MaxInt32)
 } else if pageSize != 0 {
  req.MaxResults = proto.Uint32(uint32(pageSize))
 }
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, "", err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.Filter != nil {
  params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
 }
 if req != nil && req.MaxResults != nil {
  params.Add("maxResults", fmt.Sprintf("%v", req.GetMaxResults()))
 }
 if req != nil && req.OrderBy != nil {
  params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
 }
 if req != nil && req.PageToken != nil {
  params.Add("pageToken", fmt.Sprintf("%v",
req.GetPageToken()))
 }
 if req != nil && req.ReturnPartialSuccess != nil {
  params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 headers := buildHeaders(ctx, c.xGoogMetadata, metadata.Pairs("Content-Type", "application/json"))
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
```

```
  return err
  }
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := ioutil.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return
maybeUnknownEnum(err)
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, "", e
 }
 it.Response = resp
 return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
 items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
 if err != nil {
  return "", err
 }
 it.items = append(it.items, items...)
 return nextPageToken, nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()

return it
}
```

```
// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 m := protojson.MarshalOptions{AllowPartial:
 true}
 body := req.GetGlobalSetPolicyRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource())))

 headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
 opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings)
 error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()
```

```
  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := ioutil.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return maybeUnknownEnum(err)
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest,
 opts ...gax.CallOption) (*computepb.TestPermissionsResponse, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource())))

 headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
```

```
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown:
 true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := ioutil.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return maybeUnknownEnum(err)
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// LicenseIterator manages a stream of *computepb.License.
type LicenseIterator struct {
 items    []*computepb.License
 pageInfo *iterator.PageInfo
 nextFunc func() error

 //
```

```
 Response is the raw response for the current page.
 // It must be cast to the RPC response type.
 // Calling Next() or InternalFetch() updates this value.
 Response interface{}

 // InternalFetch is for use by the Google Cloud Libraries only.
 // It is not part of the stable interface of this package.
 //
 // InternalFetch returns results from a single call to the underlying RPC.
 // The number of results is no greater than pageSize.
 // If there are no more results, nextPageToken is empty and err is nil.
 InternalFetch func(pageSize int, pageToken string) (results []*computepb.License, nextPageToken string, err error)
}

// PageInfo supports pagination. See the google.golang.org/api/iterator package for details.
func (it *LicenseIterator) PageInfo() *iterator.PageInfo {
 return it.pageInfo
}

// Next returns the next result. Its second return value is iterator.Done if there are no more
// results. Once Next returns Done, all subsequent calls will return Done.
func (it *LicenseIterator)
 Next() (*computepb.License, error) {
 var item *computepb.License
 if err := it.nextFunc(); err != nil {
  return item, err
 }
 item = it.items[0]
 it.items = it.items[1:]
 return item, nil
}

func (it *LicenseIterator) bufLen() int {
 return len(it.items)
}

func (it *LicenseIterator) takeBuf() interface{} {
 b := it.items
 it.items = nil
 return b
}
```

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package compute

import (
 "bytes"
 "context"
 "fmt"
 "io/ioutil"
 "net/http"
 "net/url"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/googleapi"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/grpc/metadata"
 "google.golang.org/protobuf/encoding/protojson"
)

var
 newLicenseCodesClientHook clientHook

// LicenseCodesCallOptions contains the retry settings for each method of LicenseCodesClient.
type LicenseCodesCallOptions struct {
 Get              []gax.CallOption
 TestIamPermissions []gax.CallOption
}

func defaultLicenseCodesRESTCallOptions() *LicenseCodesCallOptions {
 return &LicenseCodesCallOptions{
  Get:              []gax.CallOption{},
  TestIamPermissions: []gax.CallOption{},
 }
}

// internalLicenseCodesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicenseCodesClient interface {
 Close() error
 setGoogleClientInfo(...string)
```

```
 Connection() *grpc.ClientConn
 Get(context.Context, *computepb.GetLicenseCodeRequest, ...gax.CallOption) (*computepb.LicenseCode, error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseCodeRequest, ...gax.CallOption)
 (*computepb.TestPermissionsResponse, error)
}

// LicenseCodesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The LicenseCodes API.
type LicenseCodesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicenseCodesClient

 // The call options for this service.
 CallOptions *LicenseCodesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicenseCodesClient) Close() error {
 return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicenseCodesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

//
 Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicenseCodesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
}

// Get return a specified license code. License codes are mirrored across all projects that have permissions to read the
License Code. Caution This resource is intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *LicenseCodesClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts
...gax.CallOption) (*computepb.LicenseCode, error) {
```

```
 return c.internalClient.Get(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicenseCodesClient) TestIamPermissions(ctx context.Context,
 req *computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licenseCodesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // The x-goog-* metadata to be sent with each request.
 xGoogMetadata metadata.MD

 // Points back to the CallOptions field of the containing LicenseCodesClient
 CallOptions **LicenseCodesCallOptions
}

// NewLicenseCodesRESTClient creates a new license codes rest client.
//
// The LicenseCodes API.
func NewLicenseCodesRESTClient(ctx context.Context, opts ...option.ClientOption) (*LicenseCodesClient, error) {
 clientOpts := append(defaultLicenseCodesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx,
 clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicenseCodesRESTCallOptions()
 c := &licenseCodesRESTClient{
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
 }
 c.setGoogleClientInfo()

 return &LicenseCodesClient{internalClient: c, CallOptions: callOpts}, nil
}
```

```
func defaultLicenseCodesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
 }
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licenseCodesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go",
 versionGo()}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogMetadata = metadata.Pairs("x-goog-api-client", gax.XGoogHeader(kv...))
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licenseCodesRESTClient) Close() error {
 // Replace httpClient with nil to force cleanup.
 c.httpClient = nil
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licenseCodesRESTClient) Connection() *grpc.ClientConn {
 return nil
}

// Get return a specified license code. License codes are mirrored across all projects that have permissions to read the
License Code. Caution This resource is intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *licenseCodesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts
...gax.CallOption)
 (*computepb.LicenseCode, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v", req.GetProject(),
req.GetLicenseCode())
```

```
 // Build HTTP headers from client and context metadata.
 md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license_code", url.QueryEscape(req.GetLicenseCode())))

 headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.LicenseCode{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err
 != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := ioutil.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return maybeUnknownEnum(err)
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
```

```
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licenseCodesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq,
 err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v/testIamPermissions",
req.GetProject(), req.GetResource())

 // Build HTTP headers from client and context metadata.
 md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource())))

 headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path
 != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
```

```
  return err
 }

 buf, err := ioutil.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return maybeUnknownEnum(err)
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}
```

1.6650 jolokiajsr 1.7.2

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1.6652 enterprise-certificate-proxy 0.2.0

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1.6653 kube-openapi 0.0.0-20211115234752-e816edb12b65

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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL  string `json:"url,omitempty"`
}
// Copyright 2015 go-swagger maintainers
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package spec

import "testing"
```

```
func TestIntegrationLicense(t *testing.T) {
 license := License{Name: "the name", URL: "the url"}
 const licenseJSON = `{"name":"the name","url":"the url"}`
 const licenseYAML = "name: the name\nurl: the url\n"

 assertSerializeJSON(t, license, licenseJSON)
 assertParsesJSON(t, licenseJSON, license)
}
```

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1.6654 kubernetes-utils 0.0.0-20211116205334-6203023598ed

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1. String.prototype.codePointAt (https://github.com/mathiasbynens/String.prototype.codePointAt)

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1.6659 acl-libs 2.3.2-r1

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Lewis Marshall <lewis@flynn.io> (github: lmars)
Jonathan Rudenberg <jonathan@flynn.io> (github: titanous)
procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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localtime.go, localtime_test.go:

Originals:
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https://raw.githubusercontent.com/googleapis/google-cloud-go/ed46f5086358513cf8c25f8e3f022cb838a49d66/civil/civil_test.go
Changes:
* Renamed files from civil* to localtime*.
* Package changed from civil to toml.
* 'Local' prefix added to all structs.
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1.6672 vtprotobuf 0.6.1-0.20240319094008-0393e58bdf10

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1.6673 sys-signal 0.7.1

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1.6674 runtime-tools 0.9.1-0.20221107090550-2e043c6bd626

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1.6675 protobuf-go 1.36.1

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1.6679 go-runc 1.0.0

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1.6680 google-cloud-go-longrunning 0.5.4

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```

```
package compute

import (
 "bytes"
 "context"
 "fmt"
 "io"
 "net/http"
 "net/url"
 "time"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/googleapi"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/protobuf/encoding/protojson"
)

var
 newLicenseCodesClientHook clientHook

// LicenseCodesCallOptions contains the retry settings for each method of LicenseCodesClient.
type LicenseCodesCallOptions struct {
 Get               []gax.CallOption
 TestIamPermissions []gax.CallOption
}

func defaultLicenseCodesRESTCallOptions() *LicenseCodesCallOptions {
 return &LicenseCodesCallOptions{
  Get: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  TestIamPermissions: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
 }
```

```
}

// internalLicenseCodesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicenseCodesClient
 interface {
 Close() error
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
 Get(context.Context, *computepb.GetLicenseCodeRequest, ...gax.CallOption) (*computepb.LicenseCode, error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseCodeRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse, error)
}

// LicenseCodesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The LicenseCodes API.
type LicenseCodesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicenseCodesClient

 // The call options for this service.
 CallOptions *LicenseCodesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicenseCodesClient)
 Close() error {
 return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicenseCodesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

// Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicenseCodesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
```

```
}

// Get return a specified license code. License codes are mirrored across all projects that have permissions to read the License Code. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicenseCodesClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts ...gax.CallOption) (*computepb.LicenseCode,
 error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicenseCodesClient) TestIamPermissions(ctx context.Context, req *computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse, error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with method calls.
type licenseCodesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // The x-goog-* headers to be sent with each request.
 xGoogHeaders []string

 // Points back to the CallOptions field of the containing LicenseCodesClient
 CallOptions **LicenseCodesCallOptions
}

// NewLicenseCodesRESTClient
 creates a new license codes rest client.
//
// The LicenseCodes API.
func NewLicenseCodesRESTClient(ctx context.Context, opts ...option.ClientOption) (*LicenseCodesClient, error) {
 clientOpts := append(defaultLicenseCodesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicenseCodesRESTCallOptions()
 c := &licenseCodesRESTClient{
```

```
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
 }
 c.setGoogleClientInfo()

 return &LicenseCodesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicenseCodesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
 }
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licenseCodesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogHeaders = []string{"x-goog-api-client", gax.XGoogHeader(kv...)}
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licenseCodesRESTClient) Close() error {
 // Replace httpClient with nil to force cleanup.
 c.httpClient = nil
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licenseCodesRESTClient) Connection() *grpc.ClientConn {
 return nil
}

// Get return a specified license code. License codes are
 mirrored across all projects that have permissions to read the License Code. Caution This resource is intended for
use only by third-party partners who are creating Cloud Marketplace images.
func (c *licenseCodesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts
...gax.CallOption) (*computepb.LicenseCode, error) {
```

```
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v", req.GetProject(),
req.GetLicenseCode())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license_code", url.QueryEscape(req.GetLicenseCode()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
 unm
 := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.LicenseCode{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }
```

```
  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners
 who are creating Cloud Marketplace images.
func (c *licenseCodesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v/testIamPermissions",
req.GetProject(), req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)],
 opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
```

```
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}
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package compute
```

```
import (
 "bytes"
 "context"
 "fmt"
 "io"
 "math"
 "net/http"
 "net/url"
 "time"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/googleapi"
 "google.golang.org/api/iterator"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport
 "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/protobuf/encoding/protojson"
 "google.golang.org/protobuf/proto"
)

var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
 Delete            []gax.CallOption
 Get               []gax.CallOption
 GetIamPolicy      []gax.CallOption
 Insert            []gax.CallOption
 List              []gax.CallOption
 SetIamPolicy      []gax.CallOption
 TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
 return &LicensesCallOptions{
  Delete: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  Get: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
```

```
    },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
   }),
  },
  GetIamPolicy:
 []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
   }),
  },
  Insert: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  List: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
   }),
  },
  SetIamPolicy: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  TestIamPermissions: []gax.CallOption{
   gax.WithTimeout(600000
 * time.Millisecond),
  },
 }
}

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
 Close() error
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
```

```
 Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
 Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
 GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
 List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
 SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse,
 error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicensesClient

 // The call options for this service.
 CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
 return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

//
 Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
```

```
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
 return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption) (*computepb.License, error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy
 for a resource. May be empty if no such policy or resource exists. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
 return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
 list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
 return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.SetIamPolicy(ctx, req, opts...)
}
```

```
// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is intended for use
 only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req *computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse, error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with method calls.
type licensesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // operationClient is used to call the operation-specific management service.
 operationClient *GlobalOperationsClient

 // The x-goog-* headers to be sent with each request.
 xGoogHeaders []string

 // Points back to the CallOptions field of the containing LicensesClient
 CallOptions **LicensesCallOptions
}

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx
 context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
 clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicensesRESTCallOptions()
 c := &licensesRESTClient{
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
 }
 c.setGoogleClientInfo()

 o := []option.ClientOption{
```

```
  option.WithHTTPClient(httpClient),
  option.WithEndpoint(endpoint),
 }
 opC, err := NewGlobalOperationsRESTClient(ctx, o...)
 if err != nil {
  return nil, err
 }
 c.operationClient = opC

 return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
 }
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogHeaders = []string{"x-goog-api-client", gax.XGoogHeader(kv...)}
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
 // Replace httpClient with nil to force cleanup.
 c.httpClient = nil
 if err := c.operationClient.Close(); err != nil {
  return err
 }
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns
 nil.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
 return nil
```

```
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds
 = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
```

```
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil
{
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx,
 hds...)
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
```

```
 resp := &computepb.License{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// GetIamPolicy gets the access control policy for
 a resource. May be empty if no such policy or resource exists. Caution This resource is intended for use only by
third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
```

```
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

 params := url.Values{}
 if req != nil && req.OptionsRequestedPolicyVersion != nil {
  params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds
 = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }
```

```
 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return
nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetLicenseResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v",
 "project", url.QueryEscape(req.GetProject()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
```

```
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return
err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
```

list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```
func (c *licensesRESTClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts
...gax.CallOption) *LicenseIterator {
 it := &LicenseIterator{}
 req = proto.Clone(req).(*computepb.ListLicensesRequest)
 unm
 := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
  resp := &computepb.LicensesListResponse{}
  if pageToken != "" {
   req.PageToken = proto.String(pageToken)
  }
  if pageSize > math.MaxInt32 {
   req.MaxResults = proto.Uint32(math.MaxInt32)
  } else if pageSize != 0 {
   req.MaxResults = proto.Uint32(uint32(pageSize))
  }
  baseUrl, err := url.Parse(c.endpoint)
  if err != nil {
   return nil, "", err
  }
  baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

  params := url.Values{}
  if req != nil && req.Filter != nil {
   params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
  }
  if req != nil && req.MaxResults != nil {
   params.Add("maxResults", fmt.Sprintf("%v", req.GetMaxResults()))
  }
  if req != nil && req.OrderBy != nil {
   params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
  }
  if req !=
 nil && req.PageToken != nil {
   params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
  }
  if req != nil && req.ReturnPartialSuccess != nil {
   params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
  }

  baseUrl.RawQuery = params.Encode()

  // Build HTTP headers from client and context metadata.
  hds := append(c.xGoogHeaders, "Content-Type", "application/json")
  headers := gax.BuildHeaders(ctx, hds...)
```

```
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return
err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, "", e
 }
 it.Response = resp
 return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
 items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
 if err != nil {
  return "", err
 }
 it.items = append(it.items, items...)
 return nextPageToken, nil
}
```

```
 it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
 it.pageInfo.MaxSize = int(req.GetMaxResults())
 it.pageInfo.Token = req.GetPageToken()

 return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption)
 (*computepb.Policy, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetGlobalSetPolicyRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e
 := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
```

```
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx
 context.Context, req *computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())
```

```
 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)],
 opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
```

```
 return resp, nil
}

// LicenseIterator manages a stream of *computepb.License.
type LicenseIterator struct {
 items    []*computepb.License
 pageInfo
 *iterator.PageInfo
 nextFunc func() error

 // Response is the raw response for the current page.
 // It must be cast to the RPC response type.
 // Calling Next() or InternalFetch() updates this value.
 Response interface{}

 // InternalFetch is for use by the Google Cloud Libraries only.
 // It is not part of the stable interface of this package.
 //
 // InternalFetch returns results from a single call to the underlying RPC.
 // The number of results is no greater than pageSize.
 // If there are no more results, nextPageToken is empty and err is nil.
 InternalFetch func(pageSize int, pageToken string) (results []*computepb.License, nextPageToken string, err error)
}

// PageInfo supports pagination. See the google.golang.org/api/iterator package for details.
func (it *LicenseIterator) PageInfo() *iterator.PageInfo {
 return it.pageInfo
}

// Next returns the next result. Its second return value is iterator.Done if there are no more
// results. Once Next returns Done,
 all subsequent calls will return Done.
func (it *LicenseIterator) Next() (*computepb.License, error) {
 var item *computepb.License
 if err := it.nextFunc(); err != nil {
  return item, err
 }
 item = it.items[0]
 it.items = it.items[1:]
 return item, nil
}

func (it *LicenseIterator) bufLen() int {
 return len(it.items)
}

func (it *LicenseIterator) takeBuf() interface{} {
 b := it.items
```

```
it.items = nil
return b
}
```

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package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
 "google.golang.org/api/iterator"
)

func ExampleNewLicensesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will
 require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicensesClient_Delete() {
 ctx := context.Background()
```

```
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.DeleteLicenseRequest{
 //
TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
}
op, err := c.Delete(ctx, req)
if err != nil {
 // TODO: Handle error.
}

err = op.Wait(ctx)
if err != nil {
 // TODO: Handle error.
}
}

func ExampleLicensesClient_Get() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.GetLicenseRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
}
resp,
err := c.Get(ctx, req)
if err != nil {
 // TODO: Handle error.
```

```
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetIamPolicyLicenseRequest.
 }
 resp, err := c.GetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_Insert()
 {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.InsertLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
 }
```

```
 op, err := c.Insert(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_List() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template
 only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.ListLicensesRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
 }
 it := c.List(ctx, req)
 for {
  resp, err := it.Next()
  if err == iterator.Done {
   break
  }
  if err != nil {
   // TODO: Handle error.
  }
  // TODO: Use resp.
  _ = resp
 }
}

func ExampleLicensesClient_SetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range
```

```
 values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.SetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
 }
 resp, err := c.SetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown
 in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
 }
 resp, err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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```

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package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleNewLicenseCodesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 //
 - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicenseCodesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
```

```
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseCodeRequest{
  // TODO: Fill request
 struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
 }
 resp, err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseCodeRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
 }
 resp,
 err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
```

1.6681 container-device-interface-specs-go 0.7.2

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1.6682 x-mod 0.12.0

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1.6684 nri 0.6.1

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1.6686 tar-split 0.11.5

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1.6687 ocicrypt 1.1.10

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1.6688 smithy-go 1.22.1

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1.6689 seccomp 0.10.0

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1.6690 x-sys 0.29.0

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1.6691 golang-genproto 0.0.0-20231211222908-989df2bf70f3

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1.6692 sys-capability 0.4.0

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1.6693 go-cni 1.1.9

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1.6694 genproto-googleapis-rpc 0.0.0-20250106144421-5f5ef82da422

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1.6701 go-runc 1.1.0

1.6701.1 Available under license :

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1.6702 console 1.0.4

1.6702.1 Available under license :

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==========

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1.6703 aws-sdk-go-v2-service-cloudwatchlogs 1.32.0

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```
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/aws/signer/v4"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. Upgrading to Grafana
```

```
// Enterprise incurs additional fees. For more information, see Upgrade a
// workspace to Grafana Enterprise (https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-Grafana-
Enterprise.html)
// .
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "AssociateLicense", params, optFns,
c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil,
 err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
```

```
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err !=
 nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = awsmiddleware.AddClientRequestIDMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddComputeContentLengthMiddleware(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = v4.AddComputePayloadSHA256Middleware(stack); err != nil {
  return err
 }
 if err = addRetryMiddlewares(stack, options); err != nil {
  return err
 }
 if err = awsmiddleware.AddRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecordResponseTiming(stack);
 err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
```

```
 return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack,
 options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
```

AWS SDK for Go

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```
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
       uses: actions/checkout@v2
       with:
         path: new-ref
         fetch-depth: 0
     - name: Get Diff
       run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
     - name: Get Target Files
       run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
     - name: Checkout scancode
       uses: actions/checkout@v2
       with:
         repository: nexB/scancode-toolkit
         path: scancode-toolkit
         fetch-depth: 1
     - name: Set up Python ${{ matrix.python-version }}
        uses: actions/setup-python@v2
       with:
         python-version: ${{ matrix.python-version }}
     # ScanCode
     - name: Self-configure scancode
       working-directory: ./scancode-toolkit
       run: ./scancode --help
     - name: Run Scan code on target
       run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
     - name: Run Scan code on pr ref
       run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
```

```
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/aws/signer/v4"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary
 *string

 noSmithyDocumentSerde
}
```

```
type CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = awsmiddleware.AddClientRequestIDMiddleware(stack);
 err != nil {
  return err
 }
 if err = smithyhttp.AddComputeContentLengthMiddleware(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = v4.AddComputePayloadSHA256Middleware(stack); err != nil {
  return err
 }
 if err = addRetryMiddlewares(stack, options); err != nil {
  return err
 }
 if err = awsmiddleware.AddRawResponseToMetadata(stack); err != nil {
  return err
```

```
 }
 if err = awsmiddleware.AddRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
  return
 err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
```

```
 }
}
{
  "smithy": "2.0",
  "shapes": {
    "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
      "type": "integer"
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
      "type": "long"
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
      "type": "structure",
      "members": {
        "Name": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The type of name to filter by.</p>"
          }
        },
        "Values": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
          "traits": {
            "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
          }
        },
        "Operator": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
           "traits": {
            "smithy.api#documentation": "<p>An operator for filtering results.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe
operation.\n      Filters can be used to match a set of resources by specific criteria.</p>"
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
```

```
        },
        "output": {

          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists the Linux subscriptions service settings.</p>",
          "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/subscription/GetServiceSettings"
          },
          "smithy.api#idempotent": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest":
{
        "type": "structure",
        "members": {}
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
          "LinuxSubscriptionsDiscovery": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
            "traits": {
              "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
            }
          },
          "LinuxSubscriptionsDiscoverySettings": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
            "traits": {
              "smithy.api#documentation": "<p>Lists the settings defined for Linux subscriptions discovery. The
settings include if\n      Organizations integration has been enabled, and
 which Regions data will be aggregated from.</p>"
            }
          },
```

```
            "Status": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
                "traits": {
                    "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
                }
            },
            "HomeRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>The Region in which License Manager displays
 the aggregated data for Linux\n      subscriptions.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
        "type": "structure",
        "members": {
            "AmiId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
                }
            },
            "InstanceID": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
                }
            },
            "InstanceType": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The instance type of the resource.</p>"
                }

        },
            "AccountID": {
                "target": "smithy.api#String",
                "traits": {
```

"smithy.api#documentation": " The account ID which owns the instance. "
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the instance. "
}
},
"Region": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},
"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
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"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}
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"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the subscription being used by the instance. "
}
}
},
"traits": {
"smithy.api#documentation": " Details discovered information about a running instance using Linux

subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
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"traits": {
"smithy.api#documentation": " An exception occurred with the service. ",
"smithy.api#error": "server"
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
"type": "service",
"version": "2018-05-10",
"operations": [
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
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{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
}
],

"traits": {
"aws.api#service": {
"sdkId": "License Manager Linux Subscriptions",
"arnNamespace": "license-manager-linux-subscriptions",
"cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
},
"aws.auth#sigv4": {
"name": "license-manager-linux-subscriptions"
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"aws.protocols#restJson1": {},
"smithy.api#cors": {
"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id",
"content-length",
"x-api-key",
"authorization",
"x-amz-date",

"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager, you can discover and track your commercial Linux subscriptions on running\n Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
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"UseFIPS": {
"builtIn": "AWS::UseFIPS",

"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",

"type": "Boolean"
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"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
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"ref": "Endpoint"
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}
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"argv": [
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]
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"type": "error"
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                  "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                  "type": "error"
                },
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                  "conditions": [],

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                    },
                    "properties": {},
                    "headers": {}
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                  "type": "endpoint"
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"argv": [
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                    }
                  ]
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                              }
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                                "argv": [
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                                  },
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                                    "argv": [
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                                          "argv": [
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                                              "ref": "PartitionResult"
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                                          ]
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                                            "properties": {},
                                            "headers": {}
                                          },
                                          "type": "endpoint"
                                        }
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                                    }
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                    ]

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"type": "endpoint"
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"error": "FIPS is enabled but this partition does not support FIPS",
"type": "error"
}
]

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"fn": "booleanEquals",
"argv": [
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"ref": "UseDualStack"
},
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]
}
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"type": "tree",
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{

"conditions": [
{
"fn": "booleanEquals",
"argv": [

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                                            {
                                                "ref": "PartitionResult"
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                        "type": "error"
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"headers": {}
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"type": "endpoint"
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"conditions": [],
"error": "Invalid Configuration: Missing Region",
"type": "error"
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]
}
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},
"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {

"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
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"params": {
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    "expect": {
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        }
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    "params": {
        "Region": "us-east-1",
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    "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
    "expect": {
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        "UseFIPS": false,
        "UseDualStack": false
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    "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
    "expect": {
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    "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
        }
    },
    "params": {
        "Region": "cn-north-1",
        "UseFIPS": true,
        "UseDualStack": true
    }
},
{
    "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
    "expect": {
        "endpoint": {
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          }
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        "params": {
          "Region": "cn-north-1",
          "UseFIPS": true,
          "UseDualStack": false
        }
      },
      {
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          }
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          "UseDualStack": true
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          }
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          "UseDualStack": false
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          }
        },
        "params": {
          "Region": "us-gov-east-1",
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                }
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                "UseDualStack": true
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              "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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              "params": {
                "Region": "us-iso-east-1",
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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}
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"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
"Region": "us-iso-east-1",
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"UseDualStack": true
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
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"params": {

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"expect": {
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"params": {
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"UseDualStack": false
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"documentation": "For region us-isob-east-1 with FIPS disabled
and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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"expect": {
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}
},
"params": {
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"UseFIPS": false,
"UseDualStack": false
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"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {

"endpoint": {
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
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"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",

"expect": {
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"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
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"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
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"params": {
"Region": "us-east-1",
"UseFIPS": true,
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"Endpoint": "https://example.com"
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"Endpoint": "https://example.com"
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{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}

}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled LinuxSubscriptionsDiscovery"
},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled LinuxSubscriptionsDiscovery"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
"type": "structure",
"members": {
"SourceRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Regions in which to discover data for Linux subscriptions. ",
"smithy.api#required": {}
}
},
"OrganizationIntegration": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
"traits": {
"smithy.api#documentation": " Details if you have enabled resource discovery across your accounts in Organizations. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Lists the settings defined for discovering Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
"type":
"operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the running Amazon EC2 instances that were discovered with
commercial Linux\n subscriptions. ",
"smithy.api#http": {

"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptionInstances"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Instances"
}
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest": {
"type": "structure",

"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>AmiID</code> with an optional operator to see subscriptions that match, partially\n match, or don't match a certain Amazon Machine Image (AMI) ID. \n The valid names for this filter are: \n \n \n \n <code>AmiID</code>\n \n \n \n \n <code>InstanceID</code>\n \n \n \n \n <code>AccountID</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Region</code>\n \n \n \n \n <code>UsageOperation</code>\n \n \n \n \n <code>ProductCode</code>\n \n \n \n \n <code>InstanceType</code>\n \n \n \n The valid Operators for this filter are: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "

}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
"type": "structure",
"members": {
"Instances": {

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
"traits": {
"smithy.api#documentation":
" An array that contains instance objects. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
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"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptions"
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"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Subscriptions"

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            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify. For example, you can filter by the name of\n
 <code>Subscription</code> with an optional operator to see subscriptions that match,\n      partially match, or don't
match a certain subscription's name.</p>\n         <p>The valid names for this filter are:</p>\n         <ul>\n
<li>\n              <p>\n                  <code>Subscription</code>\n              </p>\n           </li>\n         </ul>\n
<p>The valid Operators for this filter are:</p>\n
         <ul>\n           <li>\n              <p>\n                  <code>contains</code>\n              </p>\n           </li>\n
<li>\n              <p>\n                  <code>equals</code>\n              </p>\n           </li>\n           <li>\n              <p>\n
              <code>Notequal</code>\n              </p>\n           </li>\n         </ul>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>",
                    "smithy.api#length": {

                        "min": 1,
                        "max": 16384
                    }
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
        "type": "structure",
        "members": {
            "Subscriptions": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
"traits": {
"smithy.api#documentation": " An array that contains subscription objects. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for
the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "EQUAL",
"value": "Equal",
"documentation": "Equal operator"
},
{
"name": "NOT_EQUAL",
"value": "NotEqual",
"documentation": "Not equal operator"
},
{
"name": "CONTAINS",
"value": "Contains",
"documentation": "Contains operator"
}
],
"smithy.api#length": {
"min": 1,
"max": 20
}
}
},

"com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "Enabled",
"value": "Enabled",

"documentation": "Enabled OrganizationIntegration"
},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled OrganizationIntegration"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
"type": "list",
"member": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
"type": "string",
"traits": {
"smithy.api#enum": [

{
"name": "InProgress",
"value": "InProgress",
"documentation": "InProgress status"
},
{
"name": "Completed",
"value": "Completed",
"documentation": "Completed status"
},
{
"name": "Successful",
"value": "Successful",
"documentation": "Successful status"
},
{
"name": "Failed",
"value": "Failed",
"documentation": "Failed status"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String",

"traits":
{
"smithy.api#length": {
"min": 1,
"max": 100
}
}
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
},
"smithy.api#uniqueItems": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
"type": "structure",
"members": {
"Name": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the subscription. "

}
},
"Type": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS. "
}
},
"InstanceCount": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
"traits": {
"smithy.api#documentation": " The total amount of running instances using this subscription. "

```
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>An object which details a discovered Linux
subscription.</p>"
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
          "message": {
            "target": "smithy.api#String"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The request was denied due to request throttling.</p>",
          "smithy.api#error": "client"
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
        },

      "output": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Updates the service settings for Linux subscriptions.</p>",
```

"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/UpdateServiceSettings"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest":
{
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Describes if the discovery of Linux subscriptions is enabled. ",
"smithy.api#required": {}
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The
settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated
from. ",

"smithy.api#required": {}
}
},
"AllowUpdate": {
"target": "smithy.api#Boolean",
"traits": {
"smithy.api#documentation": " Describes if updates are allowed to the service settings for Linux
subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home
Region. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},

"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}
},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The provided input is not valid. Try your request again. ",
"smithy.api#error": "client"
}
}
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

```
package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/aws/signer/v4"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //   - Beneficiary
 //   - ProductSKU
 //   - Fingerprint
 //
   - Status
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string
```

```
 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 if
 err := addProtocolFinalizerMiddlewares(stack, options, "ListLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = awsmiddleware.AddClientRequestIDMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddComputeContentLengthMiddleware(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
```

```
 return err
}
if err = v4.AddComputePayloadSHA256Middleware(stack); err != nil {
 return err
}
if err = addRetryMiddlewares(stack, options); err != nil {
 return err
}
if err = awsmiddleware.AddRawResponseToMetadata(stack); err != nil {
 return err
}
if err = awsmiddleware.AddRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
 return err
}
if err = awsmiddleware.AddRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}
```

```
func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:
    ServiceID,
  OperationName: "ListLicenses",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/aws/signer/v4"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 //
 This member is required.
 LicenseType types.LicenseType
```

```
 // The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack,
 options, "DisassociateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = awsmiddleware.AddClientRequestIDMiddleware(stack); err != nil {
  return err
```

```
 }
 if err = smithyhttp.AddComputeContentLengthMiddleware(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = v4.AddComputePayloadSHA256Middleware(stack); err != nil {
  return err
 }
 if err = addRetryMiddlewares(stack, options); err != nil {
  return err
 }
 if err = awsmiddleware.AddRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
 err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/aws/signer/v4"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license. If the account that created the license is
// the same that is performing the check out, you must specify the account as the
// beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
```

```
 out.ResultMetadata = metadata
 return out, nil
}

type
 CheckoutLicenseInput struct {

 // Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
```

```
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource
 Name (ARN) of the checkout license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil
 {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
```

```
 return err
}
if err = awsmiddleware.AddClientRequestIDMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddComputeContentLengthMiddleware(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = v4.AddComputePayloadSHA256Middleware(stack); err != nil {
 return err
}
if err = addRetryMiddlewares(stack, options); err != nil {
 return err
}
if err = awsmiddleware.AddRawResponseToMetadata(stack); err != nil {
 return err
}
if err = awsmiddleware.AddRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack);
err != nil {
 return err
}
if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = awsmiddleware.AddRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/aws/signer/v4"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }
```

```
 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier
 that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see RFC 7518 Digital Signature with
 // RSASSA-PSS (https://tools.ietf.org/html/rfc7518#section-3.5) .
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
```

```
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
```

```
 return err
}
if err = awsmiddleware.AddClientRequestIDMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddComputeContentLengthMiddleware(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = v4.AddComputePayloadSHA256Middleware(stack); err != nil {
 return err
}
if err = addRetryMiddlewares(stack, options); err != nil {
 return err
}
if err = awsmiddleware.AddRawResponseToMetadata(stack); err != nil {
 return err
}
if err = awsmiddleware.AddRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return
err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = awsmiddleware.AddRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/aws/signer/v4"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }
```

```
 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide
 to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.Entitlement

 // Home Region for the license.
 //
 // This member is required.
 HomeRegion *string

 // License issuer.
 //
 // This member is required.
 Issuer *types.Issuer

 // License name.
 //
 // This member is required.
 LicenseName *string

 // Product name.
 //
```

```
 // This member is required.
 ProductName *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // Date and time range during which the license is valid, in ISO8601-UTC format.
 //
 // This member is required.
 Validity
 *types.DatetimeRange

 // Information about the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
```

```
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
 return fmt.Errorf("add
protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = awsmiddleware.AddClientRequestIDMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddComputeContentLengthMiddleware(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = v4.AddComputePayloadSHA256Middleware(stack); err != nil {
 return err
}
if err = addRetryMiddlewares(stack, options); err != nil {
 return err
}
if err = awsmiddleware.AddRawResponseToMetadata(stack); err != nil {
 return err
}
if err = awsmiddleware.AddRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName:
 "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/aws/signer/v4"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
```

```
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version
 *string

 noSmithyDocumentSerde
}

type GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
```

```
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return
err
}
if err = awsmiddleware.AddClientRequestIDMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddComputeContentLengthMiddleware(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = v4.AddComputePayloadSHA256Middleware(stack); err != nil {
 return err
}
if err = addRetryMiddlewares(stack, options); err != nil {
 return err
}
if err = awsmiddleware.AddRawResponseToMetadata(stack); err != nil {
 return err
}
if err = awsmiddleware.AddRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
```

```
 if err = addOpGetLicenseValidationMiddleware(stack);
 err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = awsmiddleware.AddRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
```

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```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/aws/signer/v4"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
```

```
//
  - ProductSKU
//   - Status
//   - Fingerprint
//   - IssuerName
//   - Beneficiary
Filters []types.Filter

// Amazon Resource Names (ARNs) of the licenses.
LicenseArns []string

// Maximum number of results to return in a single call.
MaxResults *int32

// Token for the next set of results.
NextToken *string

noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

// Received license details.
Licenses []types.GrantedLicense

// Token for the next set of results.
NextToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
middleware.After)
if err != nil {
 return err
}
```

```
if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = awsmiddleware.AddClientRequestIDMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddComputeContentLengthMiddleware(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = v4.AddComputePayloadSHA256Middleware(stack); err != nil {
 return err
}
if err = addRetryMiddlewares(stack, options); err != nil {
 return err
}
if err = awsmiddleware.AddRawResponseToMetadata(stack); err != nil {
 return err
}
if err = awsmiddleware.AddRecordResponseTiming(stack);
err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
 return err
}
```

```
 if err = awsmiddleware.AddRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
```

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```
{
  "smithy": "2.0",
  "shapes": {
```

"com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " You don't have sufficient access to perform this action. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
"type": "structure",
"members": {
"DirectoryId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The directory ID for an Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation":
" Details about an Active Directory identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Associates the user to an EC2 instance to utilize user-based
subscriptions.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related
costs will take 48\n        hours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing
status) in Amazon Web Services Billing. For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n
        monthly charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/AssociateUser"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the
 EC2 instance, which provides user-based subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>The identity provider of the user.</p>",
```

"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request couldn't be completed because it conflicted with the current state of the\n resource. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deregisters the identity provider from providing user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/DeregisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",

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                "smithy.api#required": {}
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
    "type": "structure",
    "members": {
        "IdentityProviderSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
            "traits": {
                "smithy.api#documentation":
"<p>Metadata that describes the results of an identity provider operation.</p>",
                "smithy.api#required": {}
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
         },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/DisassociateUser"
            },
            "smithy.api#idempotent": {}
        }

    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation":
"<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
```

```
        "type": "structure",
        "members": {
          "InstanceUserSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
            "traits": {
              "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
              "smithy.api#required": {}
            }
          }
        }
      },

"com.amazonaws.licensemanagerusersubscriptions#Filter": {
        "type": "structure",
        "members": {
          "Attribute": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The name of an attribute to use as a filter.</p>"
            }
          },
          "Operation": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The type of search (For example, eq, geq, leq)</p>"
            }
          },
          "Value": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>Value of the filter.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>A filter name and value pair that is used
 to return more specific results from a describe\n      operation. Filters can be used to match a set of resources by
specific criteria, such as tags,\n      attributes, or IDs.</p>"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#FilterList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
        "type": "union",
```

"members": {
"ActiveDirectoryIdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
"traits": {
"smithy.api#documentation": " An object that details an Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation":
" Details about an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " An object that details the registered identity providers product
related configuration\n settings such as the subnets to provision VPC endpoints. ",
"smithy.api#required":
{}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of an identity provider. ",
"smithy.api#required": {}
}
},
"FailureMessage": {
"target": "smithy.api#String",

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                "traits": {
                    "smithy.api#documentation": "<p>The failure message associated with an identity provider.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>Describes an identity provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status
 of an EC2 instance resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "Products": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
                    "smithy.api#required": {}
                }
            },
            "LastStatusCheckDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The date of the last status check.</p>"
                }
            },
```

"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for an EC2 instance. "
}

}
},
"traits": {
"smithy.api#documentation": " Describes an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based
subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a user associated with an EC2 instance. ",

"smithy.api#required": {}
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for users of an EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},
"AssociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was associated with an EC2 instance. "
}
},
"DisassociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was disassociated from an EC2 instance. "
}
}

},
"traits": {
"smithy.api#documentation": " Describes users of an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {

"smithy.api#documentation": " An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
"type": "service",

"version": "2018-05-10",
"operations": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"

},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
}
],
"traits": {
"aws.api#service": {
"sdkId": "License Manager User Subscriptions",
"arnNamespace": "license-manager-user-subscriptions",

"cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
},
"aws.auth#sigv4": {
"name": "license-manager-user-subscriptions"
},
"aws.protocols#restJson1": {},
"smithy.api#cors": {
"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id",
"content-length",
"x-api-key",
"authorization",
"x-amz-date",
"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"

]
},
"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n a per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack

endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}

},
"rules": [
{
"conditions": [
{
"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
]
}
],
"type": "tree",
"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"
},

true
]
}
],
"error": "Invalid Configuration: FIPS and custom endpoint are not supported",
"type": "error"

```
            },
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            {
                                "ref": "UseDualStack"
                            },
                            true
                        ]
                    }
                ],

"error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                "type": "error"
            },
            {
                "conditions": [],
                "endpoint": {
                    "url": {
                        "ref": "Endpoint"
                    },
                    "properties": {},
                    "headers": {}
                },
                "type": "endpoint"
            }
        ]
    },
    {
        "conditions": [
            {
                "fn": "isSet",
                "argv": [

{
                        "ref": "Region"
                    }
                ]
            }
        ],
        "type": "tree",
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "aws.partition",
```

```
                "argv": [
                  {
                    "ref": "Region"
                  }
                ],
                "assign": "PartitionResult"
              }
            ],
            "type": "tree",

        "rules": [
              {
                "conditions": [
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      {
                        "ref": "UseFIPS"
                      },
                      true
                    ]
                  },
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      {
                        "ref": "UseDualStack"

                      },
                      true
                    ]
                  }
                ],
                "type": "tree",
                "rules": [
                  {
                    "conditions": [
                      {
                        "fn": "booleanEquals",
                        "argv": [
                          true,
                          {
                            "fn": "getAttr",

    "argv": [
                                  {
                                    "ref": "PartitionResult"
                                  },
```

"supportsFIPS"
]
}
]
},
{
"fn": "booleanEquals",
"argv": [
true,
{

"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsDualStack"
]
}
]
}
],
"type": "tree",
"rules": [
{

"conditions": [],
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
},
{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
]
},
{
"conditions": [
{

```
                "fn": "booleanEquals",
                "argv": [
                  {
                    "ref": "UseFIPS"
                  },
                  true
                ]
              }
            ],
            "type": "tree",

        "rules": [
              {
                "conditions": [
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      true,
                      {
                        "fn": "getAttr",
                        "argv": [
                          {
                            "ref": "PartitionResult"
                          },
                          "supportsFIPS"

                 ]
                      }
                    ]
                  }
                ],
                "type": "tree",
                "rules": [
                  {
                    "conditions": [],
                    "endpoint": {
                      "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
                      "properties": {},
                      "headers": {}

            },
                    "type": "endpoint"
                  }
                ]
              },
              {
                "conditions": [],
```

```
                "error": "FIPS is enabled but this partition does not support FIPS",
                "type": "error"
            }
        ]
    },
    {
        "conditions": [
            {
                "fn": "booleanEquals",
                "argv": [
                    {
                        "ref": "UseDualStack"
                    },
                    true
                ]
            }
        ],
        "type": "tree",
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {

                                "fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsDualStack"
                                ]
                            }
                        ]
                    }
                ],
                "type": "tree",
                "rules": [
                    {

                        "conditions": [],
                        "endpoint": {
                            "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                            "properties": {},
                            "headers": {}
```

```
                    },
                    "type": "endpoint"
                }
            ]
        },
        {
            "conditions": [],
            "error": "DualStack is enabled but this partition does
not support DualStack",
            "type": "error"
        }
    ]
},
{
    "conditions": [],
    "endpoint": {
        "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
        "properties": {},
        "headers": {}
    },
    "type": "endpoint"
}
]
}
]
},
{
    "conditions":
[],
    "error": "Invalid Configuration: Missing Region",
    "type": "error"
}
]
},
"smithy.rules#endpointTests": {
    "testCases": [
        {
            "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": true
```

```
            }
        },
        {
            "documentation":
"For region us-east-1 with FIPS enabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
                }
            },

        "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": true
            }
        },
        {
            "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region cn-north-1 with
FIPS enabled and DualStack enabled",
            "expect": {
                "endpoint": {
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"url": "https://license-manager-user-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},

"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,

"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1
with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {

"url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect":
{
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack":
true
}
},
{

"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but
this partition does not support one or both"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}

},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}

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        },
        {
          "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
            }
          },
           "params": {
            "Region": "us-isob-east-1",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
        {
          "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
          "expect": {
            "endpoint": {
              "url": "https://example.com"
            }
          },
          "params": {
            "Region": "us-east-1",
            "UseFIPS": false,
            "UseDualStack": false,
            "Endpoint": "https://example.com"
          }
        },
        {

"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
          "expect": {
            "endpoint": {
              "url": "https://example.com"
            }
          },
          "params": {
            "UseFIPS": false,
            "UseDualStack": false,
            "Endpoint": "https://example.com"
          }
        },
        {
          "documentation": "For custom endpoint with fips enabled and dualstack disabled",
          "expect": {
            "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
          },
          "params": {
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"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the identity providers for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/ListIdentityProviders"
},
"smithy.api#paginated":
{
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "IdentityProviderSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse":
{
"type": "structure",

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    "members": {
      "IdentityProviderSummaries": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
        "traits": {
          "smithy.api#documentation": "<p>Metadata that describes the list identity providers operation.</p>",
          "smithy.api#required": {}
        }
      },
      "NextToken": {
        "target": "smithy.api#String",
        "traits": {
          "smithy.api#documentation": "<p>Token for the next set of results.</p>"
        }
      }
    }
  },
  "com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
    "type": "operation",
    "input": {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
    },
    "output": {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
    },
    "errors": [
      {
        "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
      },
      {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
      },
      {
        "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
      },
      {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
      },
      {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
      },
      {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
      },
      {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
      }
    ],
    "traits": {
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"smithy.api#documentation": " Lists the EC2 instances providing user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/instance/ListInstances"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
"type": "structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list instances operation. "
}
},

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            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity
provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/ListProductSubscriptions"
            },
            "smithy.api#paginated": {
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"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "ProductUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
"type": "structure",
"members": {
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name
of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {

"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match
one or\n more sets of key-value pairs that you specify. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {

"type": "structure",
"members": {
"ProductUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions operation. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/ListUserAssociations"
            },
            "smithy.api#paginated":
 {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "InstanceUserSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity
 provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify.</p>"
```

```
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for
the next set of results.</p>"
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
    "type": "structure",
    "members": {
        "InstanceUserSummaries": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
            "traits": {
                "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
    "type": "structure",
    "members": {

    "Username": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
                "smithy.api#required": {}
            }
        },
        "Product": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                "smithy.api#required": {}
            }
        },
        "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
```

"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}

},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a product for a user. ",
"smithy.api#required": {}
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for a product for a user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},
"SubscriptionStartDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The
start date of a subscription. "
}
},
"SubscriptionEndDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The end date of a subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " The summary of the user-based subscription products for a user. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
}

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},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/identity-provider/RegisterIdentityProvider"
        },
        "smithy.api#idempotent": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
    "type": "structure",
    "members": {
        "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
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"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings such as the\n subnets to provision VPC endpoints. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The resource couldn't be found. ",
"smithy.api#error": "client",
"smithy.api#httpError": 404
}
},

"com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
"type": "string",

"traits": {
"smithy.api#length": {
"min": 5,
"max": 200
},
"smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request failed because a service quota is exceeded. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Settings": {
"type": "structure",
"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation":
" The subnets defined for the registered identity provider. ",
"smithy.api#length": {
"min": 1
},
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688
communication between resources in\n your VPC and the VPC endpoint for activation servers. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings

such as the\n subnets to provision VPC endpoints, and the security group ID that
is associated with the VPC\n endpoints. The security group should permit inbound TCP port 1688
communication from resources\n in the VPC. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Starts a product subscription for a user with the specified identity
provider. \n <note>\n Your estimated bill for charges on the number of users and related costs
will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status)
in Amazon Web Services Billing.
For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n monthly
charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StartProductSubscription"

```
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                 "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse": {
        "type": "structure",
         "members": {
            "ProductUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
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"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"

},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Stops a product subscription for a user with the specified identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StopProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required":
{}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation":
" Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String"
}
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"com.amazonaws.licensemanagerusersubscriptions#Subnet": {
"type": "string",

"traits": {
"smithy.api#pattern": "subnet-[a-z0-9]{8,17}"
}
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"com.amazonaws.licensemanagerusersubscriptions#Subnets": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
"type": "structure",
"members": {
"message": {

"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request was denied because of request throttling. Retry the request. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates additional product configuration settings for the registered

identity\n provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/UpdateIdentityProviderSettings"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"UpdateSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related configuration settings. You can\n update any combination of settings in a single operation such as the: \n \n \n Subnets which you want to add to provision VPC endpoints. \n \n \n Subnets which you want to remove the VPC endpoints from. \n \n \n Security group ID which permits traffic to the VPC endpoints. \n \n ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#required": {}
}
}
}

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    },
    "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
      "type": "structure",
      "members": {
        "AddSubnets": {

         "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
          "traits": {
            "smithy.api#documentation": "<p>The ID of one or more subnets in which License Manager will
create a VPC endpoint for products that\n      require connectivity to activation servers.</p>",
            "smithy.api#required": {}
          }
        },
        "RemoveSubnets": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
          "traits": {
            "smithy.api#documentation": "<p>The ID of one or more subnets to remove.</p>",
            "smithy.api#required": {}
          }
        },
        "SecurityGroupId": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
          "traits": {
            "smithy.api#documentation": "<p>A security group ID
 that allows inbound TCP port 1688 communication between resources in\n      your VPC and the VPC endpoints for
activation servers.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Updates the registered identity providers product related configuration
settings such as\n      the subnets to provision VPC endpoints.</p>"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
      "type": "structure",
      "members": {
        "message": {
          "target": "smithy.api#String"
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>A parameter is not valid.</p>",
        "smithy.api#error": "client"
      }
    }
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  "smithy": "2.0",
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        "namespace": "*"
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      {
        "id": "HttpResponseCodeSemantics",
        "namespace": "*"
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        "id": "PaginatedTrait",
        "namespace": "*"
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        "id": "HttpHeaderTrait",
        "namespace": "*"
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        "id": "HttpUriConflict",
        "namespace": "*"
      },
      {
        "id": "Service",
        "namespace": "*"
      }
    ]
  },
  "shapes": {
    "com.amazonaws.licensemanager#AWSLicenseManager": {
      "type": "service",
      "version": "2018-08-01",
      "operations": [
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          "target": "com.amazonaws.licensemanager#AcceptGrant"
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          "target": "com.amazonaws.licensemanager#CheckInLicense"
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        {
          "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
        },
        {
          "target": "com.amazonaws.licensemanager#CheckoutLicense"
        },
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    {
      "target": "com.amazonaws.licensemanager#CreateGrant"
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      "target": "com.amazonaws.licensemanager#CreateGrantVersion"
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      "target": "com.amazonaws.licensemanager#CreateLicense"
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      "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
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      "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
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      "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
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    {
      "target": "com.amazonaws.licensemanager#CreateLicenseVersion"
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      "target": "com.amazonaws.licensemanager#CreateToken"
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      "target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
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      "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
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      "target": "com.amazonaws.licensemanager#DeleteToken"
    },
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      "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

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    {
      "target": "com.amazonaws.licensemanager#GetAccessToken"
    },
    {
      "target": "com.amazonaws.licensemanager#GetGrant"
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"target": "com.amazonaws.licensemanager#GetLicense"
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"target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
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"target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
},
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"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
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"target": "com.amazonaws.licensemanager#GetLicenseUsage"
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"target": "com.amazonaws.licensemanager#GetServiceSettings"
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"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
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"target": "com.amazonaws.licensemanager#ListDistributedGrants"
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"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
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"target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
},
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"target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
},
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"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
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"target": "com.amazonaws.licensemanager#ListLicenses"
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"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
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"target": "com.amazonaws.licensemanager#ListLicenseVersions"
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"target": "com.amazonaws.licensemanager#ListReceivedGrants"
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"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
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"target": "com.amazonaws.licensemanager#ListReceivedLicenses"
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"target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
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"target": "com.amazonaws.licensemanager#ListResourceInventory"
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"target": "com.amazonaws.licensemanager#ListTagsForResource"
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"target": "com.amazonaws.licensemanager#ListTokens"
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"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
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"target": "com.amazonaws.licensemanager#RejectGrant"
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"target": "com.amazonaws.licensemanager#TagResource"
},
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"target": "com.amazonaws.licensemanager#UntagResource"
},
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"target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
},
{
"target": "com.amazonaws.licensemanager#UpdateServiceSettings"
}
],
"traits": {
"aws.api#service": {

"sdkId": "License Manager",
"arnNamespace": "license-manager",
"cloudFormationName": "LicenseManager",
"cloudTrailEventSource": "licensemanager.amazonaws.com",
"endpointPrefix": "license-manager"
},
"aws.auth#sigv4": {
"name": "license-manager"
},
"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
},
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}

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    },
    "rules": [
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        "conditions": [
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            "fn": "isSet",
            "argv": [
              {
                "ref": "Endpoint"
              }
            ]

        }
        ],
        "type": "tree",
        "rules": [
          {
            "conditions": [
              {
                "fn": "booleanEquals",
                "argv": [
                  {
                    "ref": "UseFIPS"
                  },
                  true
                ]
              }
            ],
            "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
            "type": "error"
          },
          {

"conditions": [
              {
                "fn": "booleanEquals",
                "argv": [
                  {
                    "ref": "UseDualStack"
                  },
                  true
                ]
              }
            ],
            "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
            "type": "error"
          },
          {
```

```
                "conditions": [],
                "endpoint": {
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                    "ref": "Endpoint"
                  },
                  "properties": {},
                  "headers": {}
                },
                "type": "endpoint"
              }
            ]
          },
          {
            "conditions": [
              {
                "fn": "isSet",
                "argv": [
                  {
                    "ref": "Region"
                  }
                ]
              }
            ],
            "type": "tree",
            "rules": [
              {
                "conditions": [
                  {
                    "fn": "aws.partition",
                    "argv": [
                      {
                        "ref": "Region"
                      }
                    ],
                    "assign": "PartitionResult"
                  }
                ],
                "type": "tree",
                "rules": [
                  {
                    "conditions": [
                      {
                        "fn": "booleanEquals",
                        "argv": [
                          {
                            "ref":
"UseFIPS"
                          },
```

```
                    true
                ]
            },
            {
                "fn": "booleanEquals",
                "argv": [
                    {
                        "ref": "UseDualStack"
                    },
                    true
                ]
            }
        ],
        "type": "tree",
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {
                                "fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsFIPS"
                                ]

                }
                        ]
                    },
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {
                                "fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },

"supportsDualStack"
                                ]
                            }
                        ]
```

```
                    }
                ],
                "type": "tree",
                "rules": [
                    {
                        "conditions": [],
                        "endpoint": {
                            "url": "https://license-manager-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                            "properties": {},
                            "headers": {}

            },
                        "type": "endpoint"
                    }
                ]
            },
            {
                "conditions": [],
                "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
                "type": "error"
            }
        ]
    },
    {
        "conditions": [
            {
                "fn": "booleanEquals",

          "argv": [
                    {
                        "ref": "UseFIPS"
                    },
                    true
                ]
            }
        ],
        "type": "tree",
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
```

```
{
                "fn": "getAttr",
                "argv": [
                  {
                    "ref": "PartitionResult"
                  },
                  "supportsFIPS"
                ]
              }
            ]
          }
        ],
        "type": "tree",
        "rules": [

{
            "conditions": [],
            "endpoint": {
              "url": "https://license-manager-fips.{Region}.{PartitionResult#dnsSuffix}",
              "properties": {},
              "headers": {}
            },
            "type": "endpoint"
          }
        ]
      },
      {
        "conditions": [],
        "error": "FIPS is enabled but this
partition does not support FIPS",
        "type": "error"
      }
    ]
  },
  {
    "conditions": [
      {
        "fn": "booleanEquals",
        "argv": [
          {
            "ref": "UseDualStack"
          },
          true
        ]
      }
    ],
    "type": "tree",
```

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                "rules": [
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                    "conditions": [
                      {
                        "fn": "booleanEquals",
                        "argv": [
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                          {
                            "fn": "getAttr",
                            "argv": [
                              {
                                "ref": "PartitionResult"
                              },

"supportsDualStack"
                            ]
                          }
                        ]
                      }
                    ],
                    "type": "tree",
                    "rules": [
                      {
                        "conditions": [],
                        "endpoint": {
                          "url": "https://license-
manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
                          "properties": {},
                          "headers": {}

                },
                        "type": "endpoint"
                      }
                    ]
                  },
                  {
                    "conditions": [],
                    "error": "DualStack is enabled but this partition does not support DualStack",
                    "type": "error"
                  }
                ]
              },
              {
                "conditions": [],
                "endpoint": {
                  "url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
                   "properties": {},
                  "headers": {}
```

```
                    },
                    "type": "endpoint"
                }
            ]
        }
    ]
},
{
    "conditions": [],
    "error": "Invalid Configuration: Missing Region",
    "type": "error"
}
]
},
"smithy.rules#endpointTests": {
    "testCases": [
        {
            "documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint":
{
                    "url": "https://license-manager.af-south-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "af-south-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-east-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "ap-east-1",
                "UseFIPS": false,
                "UseDualStack": false
             }
        },
        {
            "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-northeast-1.amazonaws.com"
```

```
            }
        },
        "params": {
            "Region": "ap-northeast-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.ap-northeast-2.amazonaws.com"
             }
        },
        "params": {
            "Region": "ap-northeast-2",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.ap-northeast-3.amazonaws.com"
            }
        },
        "params": {
            "Region": "ap-northeast-3",
            "UseFIPS": false,
            "UseDualStack": false
        }

},
    {
        "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.ap-south-1.amazonaws.com"
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        "params": {
            "Region": "ap-south-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
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```

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          "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-southeast-1.amazonaws.com"

}
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          "params": {
            "Region": "ap-southeast-1",
            "UseFIPS": false,
            "UseDualStack": false
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          "documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-southeast-2.amazonaws.com"
            }
          },
          "params": {
            "Region": "ap-southeast-2",
            "UseFIPS": false,
            "UseDualStack": false
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        },
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"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-southeast-3.amazonaws.com"
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          },
          "params": {
            "Region": "ap-southeast-3",
            "UseFIPS": false,
            "UseDualStack": false
          }
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          "documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ca-central-1.amazonaws.com"
            }
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"params": {
"Region": "ca-central-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-central-1.amazonaws.com"
}
},
"params": {
"Region": "eu-central-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-north-1 with FIPS
disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-north-1.amazonaws.com"
}
},
"params": {
"Region": "eu-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-south-1.amazonaws.com"
}
},
"params": {
"Region":
"eu-south-1",
"UseFIPS": false,
"UseDualStack": false
}
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        {
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            "endpoint": {
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            }
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          "params": {
            "Region": "eu-west-1",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
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          "documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
          "expect": {

          "endpoint": {
              "url": "https://license-manager.eu-west-2.amazonaws.com"
            }
          },
          "params": {
            "Region": "eu-west-2",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
        {
          "documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.eu-west-3.amazonaws.com"
            }
          },
          "params": {
            "Region": "eu-west-3",
            "UseFIPS": false,

"UseDualStack": false
          }
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        {
          "documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.me-south-1.amazonaws.com"
            }
          },
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            "params": {
              "Region": "me-south-1",
              "UseFIPS": false,
              "UseDualStack": false
            }
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          {
            "documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager.sa-east-1.amazonaws.com"
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            },
            "params": {
              "Region": "sa-east-1",
              "UseFIPS": false,
              "UseDualStack": false
            }
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            "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager.us-east-1.amazonaws.com"
              }
            },
            "params": {
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              "UseFIPS": false,
              "UseDualStack": false
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            "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-fips.us-east-1.amazonaws.com"
              }
            },
            "params": {
              "Region": "us-east-1",
              "UseFIPS": true,
              "UseDualStack": false
            }
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          {
            "documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
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"expect": {
"endpoint": {
"url": "https://license-manager.us-east-2.amazonaws.com"
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"params": {
"Region": "us-east-2",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-2.amazonaws.com"
}
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"params": {
"Region": "us-east-2",
"UseFIPS": true,
"UseDualStack": false
}
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"documentation": "For region
us-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-west-1.amazonaws.com"
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"params": {
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"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
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"url": "https://license-manager-fips.us-west-1.amazonaws.com"
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"params": {

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"UseFIPS": true,
"UseDualStack": false
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"Region": "us-west-2",
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"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,

"UseDualStack": true
}
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{
"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",

"expect": {
"endpoint": {
"url": "https://license-manager.us-east-1.api.aws"
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
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"documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
}
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"params": {
"Region": "cn-northwest-1",
"UseFIPS": false,
"UseDualStack": false

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"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
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"endpoint": {
"url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",

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            "UseFIPS": true,
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        "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
        "expect": {
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                "url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
             }
        },
        "params": {
            "Region": "cn-north-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
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        "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
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            "endpoint": {
                "url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
            }
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        "params": {
            "Region": "cn-north-1",
            "UseFIPS": false,
            "UseDualStack": true
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        "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-gov-east-1.amazonaws.com"
            }
        },
        "params": {
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            "UseFIPS": false,
            "UseDualStack": false
        }
    },
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        "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
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"url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
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"params": {
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"UseFIPS": true,
"UseDualStack": false
}
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{
"documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-west-1",
"UseFIPS": false,
"UseDualStack": false
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"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
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"url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
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"UseDualStack": false
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}
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"UseDualStack": true

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            "expect": {
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                }
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                "Region": "us-gov-east-1",
                "UseFIPS": false,
                "UseDualStack": true
            }
        },
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            "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
                }
            },
            "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
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            "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
            },
            "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": true,
                 "UseDualStack": true
            }
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        {
            "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
                }
            },
            "params": {
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled
but this partition does not support DualStack"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
}

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            "params": {
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                        "UseDualStack": false
                    }
                },
                {
                    "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
                    "expect": {
                        "error": "DualStack is enabled but this partition does not support DualStack"
                    },
                    "params": {
                        "Region": "us-isob-east-1",
                        "UseFIPS": false,
                        "UseDualStack": true
                    }
                },
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                    "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

    "expect": {
                        "endpoint": {
                            "url": "https://example.com"
                        }
                    },
                    "params": {
                        "Region": "us-east-1",
                        "UseFIPS": false,
                        "UseDualStack": false,
                        "Endpoint": "https://example.com"
                    }
                },
                {
                    "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
                    "expect": {
                        "endpoint": {
                            "url": "https://example.com"
                        }
                    },
                    "params": {
                        "UseFIPS": false,

        "UseDualStack": false,
                        "Endpoint": "https://example.com"
                    }
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                },
                {
                    "documentation": "For custom endpoint with fips enabled and dualstack disabled",
                    "expect": {
                        "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
                    },
                    "params": {
                        "Region": "us-east-1",
                        "UseFIPS": true,
                        "UseDualStack": false,
                        "Endpoint": "https://example.com"
                    }
                },
                {
                    "documentation": "For custom endpoint with fips disabled and dualstack enabled",
                    "expect": {
                        "error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
                    },
                    "params": {
                        "Region": "us-east-1",
                        "UseFIPS": false,
                        "UseDualStack": true,
                        "Endpoint": "https://example.com"
                    }
                },
                {
                    "documentation": "Missing region",
                    "expect": {
                        "error": "Invalid Configuration: Missing Region"
                    }
                }
            ],
            "version": "1.0"
        }
    }
},
"com.amazonaws.licensemanager#AcceptGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
    "output": {
        "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
    },
    "errors": [
        {
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            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"

}
    ],
    "traits": {
        "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
    }
  },
  "com.amazonaws.licensemanager#AcceptGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
  },
  "com.amazonaws.licensemanager#AcceptGrantResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant
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ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#AccessDeniedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
"httpResponseCode": 401
},
"smithy.api#documentation": " Access to resource denied. ",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
"type": "enum",
"members": {
"DISTRIBUTED_GRANTS_ONLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
}
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperation": {

"type": "enum",
"members": {
"CREATE_GRANT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateGrant"
}
},
"CHECKOUT_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutLicense"
}
},
"CHECKOUT_BORROW_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutBorrowLicense"
}
},
"CHECK_IN_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckInLicense"
}
},
"EXTEND_CONSUMPTION_LICENSE":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ExtendConsumptionLicense"
}
},
"LIST_PURCHASED_LICENSES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ListPurchasedLicenses"
}
},

"CREATE_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateToken"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperationList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#AllowedOperation"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max":
7
}
}
},
"com.amazonaws.licensemanager#Arn": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 2048
},
"smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
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"com.amazonaws.licensemanager#ArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
}
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"com.amazonaws.licensemanager#AuthorizationException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError":

{
"code": "AuthorizationFailure",
"httpResponseCode": 403
},
"smithy.api#documentation": " The Amazon Web Services user account does not have permission to perform the action. Check the IAM\n policy associated with this account. ",
"smithy.api#error": "client",
"smithy.api#httpError": 403
}
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"com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
"type": "structure",
"members": {
"LastRunTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time that automated discovery last ran. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes automated discovery. "
}
},

"com.amazonaws.licensemanager#Boolean": {
"type": "boolean",
"traits": {
"smithy.api#default": false
}
},
"com.amazonaws.licensemanager#BorrowConfiguration": {
"type": "structure",
"members": {
"AllowEarlyCheckIn": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether early check-ins are allowed. ",
"smithy.api#required": {}
}
},
"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the borrow configuration, in minutes. ",
"smithy.api#required": {}
}
}

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},
        "traits": {
            "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#BoxBoolean": {
        "type": "boolean"
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    "com.amazonaws.licensemanager#BoxInteger": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#BoxLong": {
        "type": "long"
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    "com.amazonaws.licensemanager#CheckInLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
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                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"

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            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
```

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseRequest":
{
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
        "type": "structure",
        "members":
{
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must
use the borrow consumption configuration.</p>",
                    "smithy.api#required": {}
                }
```

```
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
                    "smithy.api#required": {}
                }
            },
            "DigitalSignatureMethod": {
                "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
                "traits": {
                    "smithy.api#documentation": "<p>Digital signature method. The possible
 value is JSON Web Signature (JWS) algorithm PS384.\n        For more information, see <a
href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS</a>.</p>",
                    "smithy.api#required": {}
                }
            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
```

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},
"EntitlementsAllowed":
{
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " Allowed license entitlements. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout
is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout expires. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "
}
}
},

"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target":
"com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license. \n <note>\n If the
account that created the license is the same that is performing the check out, you must\n specify the account

as the beneficiary. \n </note>"
  }
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
  "type": "structure",
  "members": {
    "ProductSKU": {
      "target": "com.amazonaws.licensemanager#String",
      "traits": {
        "smithy.api#documentation": " Product
 SKU. ",
        "smithy.api#required": {}
      }
    },
    "CheckoutType": {
      "target": "com.amazonaws.licensemanager#CheckoutType",
      "traits": {
        "smithy.api#documentation": " Checkout type. ",
        "smithy.api#required": {}
      }
    },
    "KeyFingerprint": {
      "target": "com.amazonaws.licensemanager#String",
      "traits": {
        "smithy.api#documentation": " Key fingerprint identifying the license. ",
        "smithy.api#required": {}
      }
    },
    "Entitlements": {
      "target": "com.amazonaws.licensemanager#EntitlementDataList",
      "traits": {
        "smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
      }
    },
    "ClientToken": {
      "target": "com.amazonaws.licensemanager#ClientToken",
      "traits": {
        "smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request. ",
        "smithy.api#required": {}
      }
    },
    "Beneficiary": {
      "target": "com.amazonaws.licensemanager#String",
      "traits": {
        "smithy.api#documentation": " License beneficiary. "

```
            }
        },
        "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
            }
        }
    },
    "traits": {

   "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
    "type": "structure",
    "members": {
        "CheckoutType": {
            "target": "com.amazonaws.licensemanager#CheckoutType",
            "traits": {
                "smithy.api#documentation": "<p>Checkout type.</p>"
            }
        },
        "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License consumption token.</p>"
            }
        },
        "EntitlementsAllowed": {
            "target": "com.amazonaws.licensemanager#EntitlementDataList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
            }
        },
         "SignedToken": {
            "target": "com.amazonaws.licensemanager#SignedToken",
            "traits": {
                "smithy.api#documentation": "<p>Signed token.</p>"
            }
        },
        "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
            }
        },
        "IssuedAt": {
```

"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and
time at which the license checkout expires. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the checkout license. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutType": {
"type": "enum",
"members": {
"PROVISIONAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PROVISIONAL"
}
},
"PERPETUAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PERPETUAL"
}
}
}
},
"com.amazonaws.licensemanager#ClientRequestToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 36
}
}

```
    },
    "com.amazonaws.licensemanager#ClientToken": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 2048
            },
            "smithy.api#pattern": "^\\S+$"
        }
    },
    "com.amazonaws.licensemanager#ConflictException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "ConflictException",
                "httpResponseCode":
 409
            },
            "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 409
        }
    },
    "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
        "type": "structure",
        "members": {
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
                }
            },
            "ConsumedLicenses": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
                }
            }
        },
```

```
"traits": {
            "smithy.api#documentation": "<p>Details about license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
        }
    },
    "com.amazonaws.licensemanager#ConsumptionConfiguration": {
        "type": "structure",
        "members": {
            "RenewType": {
                "target": "com.amazonaws.licensemanager#RenewType",
                "traits": {
                    "smithy.api#documentation": "<p>Renewal frequency.</p>"
                }
            },
            "ProvisionalConfiguration": {
                "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
                 }
            },
            "BorrowConfiguration": {
                "target": "com.amazonaws.licensemanager#BorrowConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
```

{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a grant for the specified license. A grant shares the use of license\n entitlements with a specific Amazon Web Services account, an organization, or an\n organizational unit (OU). For more
information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#CreateGrantRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}

}
},
"LicenseArn": {

"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Principals": {
"target": "com.amazonaws.licensemanager#PrincipalArnList",
"traits": {
"smithy.api#documentation": " The grant principals. You can specify one of the following as an Amazon Resource Name\n (ARN): \n \n \n An Amazon Web Services account, which includes only the account specified. \n \n \n \n \n An organizational unit (OU), which includes all accounts in the OU. \n \n \n \n \n An organization, which will include all accounts across your organization. \n \n ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations for the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}
},

```
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersion":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
             },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information,
see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",

  "smithy.api#required": {}
                }
            },
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>"
                }
            },
            "AllowedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                 "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "StatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status reason.</p>"
```

```
            }
          },
          "SourceVersion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Current version of the grant.</p>"
            }
          },
          "Options": {
            "target": "com.amazonaws.licensemanager#Options",
            "traits": {
              "smithy.api#documentation": "<p>The options specified for the grant.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#CreateGrantVersionResponse": {
        "type": "structure",
        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
              "smithy.api#documentation": "<p>Grant status.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>New version of the grant.</p>"
            }
          }
        },
        "traits":
{
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicense": {
        "type": "operation",
```

```
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Creates a license.</p>"
    }
},
"com.amazonaws.licensemanager#CreateLicenseConfiguration": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager. Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or all of these), license affinity  to host (how long a \n        license must be associated with a host), and the number of licenses purchased and used.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the license configuration.</p>"
                }
            },
            "LicenseCountingType": {
                "target": "com.amazonaws.licensemanager#LicenseCountingType",
                "traits": {
                    "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
```

"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether hard or soft license enforcement is used. Exceeding a hard limit\n blocks the launch of new instances. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows. \n \n \n \n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> | <code>minimumCores</code>\n \n \n \n \n <code>Instances</code> dimension: <code>allowedTenancy</code> | \n <code>maximumCores</code> | <code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n \n
\n <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n <code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code>\n \n \n \n \n <code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n <code>honorVcpuOptimization</code> | \n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n \n The unit for <code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for <code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n <code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n <code>True</code> and <code>False</code>. "
}
},

"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the license configuration. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "

```
            }
          },
          "ProductInformationList": {
            "target": "com.amazonaws.licensemanager#ProductInformationList",
            "traits": {
              "smithy.api#documentation": "<p>Product information.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
{
        "type": "structure",
        "members": {
          "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
           },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {

                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting
the license type for.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information that identifies the license type you are converting
from. \n\n        For the structure of the source license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
                    "smithy.api#required": {}
                }
            },
            "DestinationLicenseContext":
 {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information that identifies the license type you are converting to.
For the structure of the destination license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
```

```
    }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
    "type": "structure",
    "members": {
        "LicenseConversionTaskId": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

   "traits": {
                "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
```

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a report generator. "
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"ReportGeneratorName":
{
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports to generate. The following report types an be generated: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}

}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",

"traits": {
"smithy.api#documentation": " Unique,
case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the new report
generator. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseRequest": {
"type": "structure",
"members": {
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}

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            },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product
name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product SKU.</p>",
                    "smithy.api#required": {}
                }
            },
            "Issuer": {
                "target": "com.amazonaws.licensemanager#Issuer",
                "traits": {
                    "smithy.api#documentation": "<p>License issuer.</p>",
                    "smithy.api#required": {}
                }
            },
            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region for the license.</p>",
                    "smithy.api#required": {}

    }
            },
            "Validity": {
                "target": "com.amazonaws.licensemanager#DatetimeRange",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " License beneficiary. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},

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        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
    }
```

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    },
    "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
      "type": "structure",
      "members": {
        "LicenseArn": {
          "target":
"com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
            "smithy.api#required": {}
          }
        },
        "LicenseName": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>License name.</p>",
            "smithy.api#required": {}
          }
        },
        "ProductName": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Product name.</p>",
            "smithy.api#required": {}
          }
        },
        "Issuer": {
          "target": "com.amazonaws.licensemanager#Issuer",
          "traits":
{
            "smithy.api#documentation": "<p>License issuer.</p>",
            "smithy.api#required": {}
          }
        },
        "HomeRegion": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Home Region of the license.</p>",
            "smithy.api#required": {}
          }
        },
        "Validity": {
          "target": "com.amazonaws.licensemanager#DatetimeRange",
          "traits": {
            "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
            "smithy.api#required": {}
          }
```

```
            },
            "LicenseMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license.</p>"
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements.</p>",
                    "smithy.api#required": {}
                }
            },
            "ConsumptionConfiguration": {
                "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n         running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n         usage.</p>",
                    "smithy.api#required": {}
                }
            },

   "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>",
                    "smithy.api#required": {}
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the license.</p>"
                }
            }
        },
        "traits": {
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"smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": " License ARN. "
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": " New version of the license. "
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": " License status. "
                }
            }
        },
        "traits": {
            "smithy.api#output":
{}
        }
    },
    "com.amazonaws.licensemanager#CreateToken": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateTokenRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateTokenResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },

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            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },

        {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n        <p>A refresh token is a JWT token used to get an access token. With an access token,\n          you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n          call License Manager to manage the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateTokenRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n          JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "RoleArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n        License Manager does not check whether the roles are in use.</p>"
                }
            },
            "ExpirationInDays": {
                "target": "com.amazonaws.licensemanager#Integer",
                "traits": {
                    "smithy.api#documentation": "<p>Token expiration, in days, counted from token creation. The default is 365 days.</p>"
                }
```

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            },
            "TokenProperties": {
                "target": "com.amazonaws.licensemanager#MaxSize3StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Data specified by the caller to be included in the JWT token. The
data is mapped\n          to the amr claim of the JWT token.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateTokenResponse": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",

                "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>"
                }
            },
            "TokenType": {
                "target": "com.amazonaws.licensemanager#TokenType",
                "traits": {
                    "smithy.api#documentation": "<p>Token type.</p>"
                }
            },
            "Token": {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DateTime": {
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    "type": "timestamp"
  },
  "com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
      "Begin": {
          "target": "com.amazonaws.licensemanager#ISO8601DateTime",
        "traits": {
          "smithy.api#documentation": "<p>Start of the time range.</p>",
          "smithy.api#required": {}
        }
      },
      "End": {
        "target": "com.amazonaws.licensemanager#ISO8601DateTime",
        "traits": {
          "smithy.api#documentation": "<p>End of the time range.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
  },
  "com.amazonaws.licensemanager#DeleteGrant": {
    "type": "operation",
    "input": {
      "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
    },
    "output": {
      "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
     },
    "errors": [
      {
        "target": "com.amazonaws.licensemanager#AccessDeniedException"
      },
      {
        "target": "com.amazonaws.licensemanager#AuthorizationException"
      },
      {
        "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
      },
      {
        "target": "com.amazonaws.licensemanager#RateLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
      },
      {
```

"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes
the specified grant. "
}
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " The Status reason for the delete request. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the
grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}

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            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
```

"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license configuration. \n You cannot delete a license configuration that is in use. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
"type": "structure",
"members":
{
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

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            "smithy.api#documentation": "<p>ID of the license configuration.</p>",
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
      "type": "structure",
      "members": {},
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
       },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
          "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
          "target": "com.amazonaws.licensemanager#ValidationException"
```

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            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified report generator.</p>\n        <p>This action deletes the report generator, which stops it from generating future reports.\n        The action cannot be reversed. It has no effect on the previous reports from this generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to be deleted.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {

 "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the license.</p>",
                    "smithy.api#required":
```

{}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseResponse": {
"type": "structure",
"members": {
"Status": {
"target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"DeletionDate": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date when the license is deleted. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"

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            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },

        {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenRequest": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}

      }
    },
    "com.amazonaws.licensemanager#DigitalSignatureMethod": {
        "type": "enum",
        "members": {
            "JWT_PS384": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "JWT_PS384"
                }
```

```
            }
        }
    },
    "com.amazonaws.licensemanager#Entitlement": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement resource. Use only
if the unit is None.</p>"
                }
            },
            "MaxCount": {
                "target": "com.amazonaws.licensemanager#Long",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum entitlement count. Use if the unit is not None.</p>"
                }
            },
            "Overage": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether overages are allowed.</p>"
                }
            },
            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement unit.</p>",
                    "smithy.api#required": {}
                }
            },
            "AllowCheckIn": {
                "target":
"com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether check-ins are allowed.</p>"
                }
            }
        },
        "traits": {
```

"smithy.api#documentation": " Describes a resource entitled for use with a license. "
}
},
"com.amazonaws.licensemanager#EntitlementData": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement data name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement
data value. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementDataUnit",
"traits": {
"smithy.api#documentation": " Entitlement data unit. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Data associated with an entitlement resource. "
}
},
"com.amazonaws.licensemanager#EntitlementDataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#EntitlementData"
}
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Count"
}
},

"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},

"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"

}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"

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            }
        },
        "KILOBYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobytes/Second"
            }
        },
        "MEGABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Megabytes/Second"
            }
        },
        "GIGABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "Gigabytes/Second"
            }
        },
        "TERABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabytes/Second"
            }
        },
        "BITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Bits/Second"
            }
        },
        "KILOBITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobits/Second"
            }
        },
        "MEGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue":
"Megabits/Second"
            }
        },
        "GIGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
```

"smithy.api#enumValue": "Gigabits/Second"
}
},
"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Entitlement"
}
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The entitlement is not allowed. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#EntitlementUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"
}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target":
"smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}

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            },
            "KILOBYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Kilobytes/Second"
                }
            },
            "MEGABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Megabytes/Second"
                }
            },
            "GIGABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Gigabytes/Second"
                }
            },
            "TERABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {

"smithy.api#enumValue": "Terabytes/Second"
                }
            },
            "BITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Bits/Second"
                }
            },
            "KILOBITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Kilobits/Second"
                }
            },
            "MEGABITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Megabits/Second"
                }
            },
            "GIGABITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Gigabits/Second"
```

```
            }
        },

    "TERABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabits/Second"
            }
        },
        "COUNT_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count/Second"
            }
        }
    }
},
"com.amazonaws.licensemanager#EntitlementUsage": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage name.</p>",
                "smithy.api#required": {}
            }
        },
        "ConsumedValue": {
            "target": "com.amazonaws.licensemanager#String",

        "traits": {
                "smithy.api#documentation": "<p>Resource usage consumed.</p>",
                "smithy.api#required": {}
            }
        },
        "MaxCount": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
            }
        },
        "Unit": {
            "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                "smithy.api#required": {}
            }
        }
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        },
        "traits": {
            "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementUsageList":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementUsage"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumption": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
```

"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. ",
"smithy.api#required": {}

}
},
"DryRun": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,
"smithy.api#documentation": " Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},

"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license consumption expires. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#FailedDependencyException": {
"type": "structure",
"members": {
"Message": {

"target": "com.amazonaws.licensemanager#Message"
},
"ErrorCode": {
"target": "com.amazonaws.licensemanager#String"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FailedDependency",
"httpResponseCode": 424
},
"smithy.api#documentation":
" A dependency required to run the API is missing. ",
"smithy.api#error": "client",
"smithy.api#httpError": 424
}
},
"com.amazonaws.licensemanager#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#FilterName",
"traits": {
"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only
specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter
name and value pair that is used to return more specific results from a\n describe operation. Filters can be used
to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {

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        "aws.protocols#awsQueryError": {
            "code": "FilterLimitExceeded",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#FilterList": {
    "type": "list",
     "member": {
        "target": "com.amazonaws.licensemanager#Filter"
    }
},
"com.amazonaws.licensemanager#FilterName": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#FilterValue",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#Filters": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Filter",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#GetAccessToken": {
    "type": "operation",
    "input": {
         "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
    },
    "errors": [
```

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
 tokens\n          are valid for one hour.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetAccessTokenRequest": {
        "type": "structure",
        "members": {
            "Token": {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "TokenProperties": {
                "target": "com.amazonaws.licensemanager#MaxSize3StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetAccessTokenResponse":
 {
        "type": "structure",
        "members": {
```

```
        "AccessToken": {
            "target": "com.amazonaws.licensemanager#TokenString",
            "traits": {
                "smithy.api#documentation": "<p>Temporary access token.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"

    },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
```

```
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
    "type": "structure",
    "members": {
        "Grant": {
            "target": "com.amazonaws.licensemanager#Grant",
            "traits": {
                "smithy.api#documentation": "<p>Grant details.</p>"
            }
        }
    },
    "traits": {

"smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"

},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license configuration. "

```
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits":
 {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurationId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
                }
            },
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
                }
            },
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>"
                 }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the license configuration.</p>"
                }
            },
            "LicenseCountingType": {
                "target": "com.amazonaws.licensemanager#LicenseCountingType",
```

"traits": {
"smithy.api#documentation": " Dimension for which the licenses are counted. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",

"traits": {
"smithy.api#documentation": " Number of available licenses. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Sets the number of available licenses as a hard limit. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses assigned to resources. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License configuration status. "
}

},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner of the license configuration. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},

"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When
true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified license type conversion task. "
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. "

```
            }
        },
        "SourceLicenseContext": {
            "target": "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
                "smithy.api#documentation": "<p>Information
about the license type converted from.</p>"
            }
        },
        "DestinationLicenseContext": {
            "target": "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
                "smithy.api#documentation": "<p>Information about the license type converted to.</p>"
            }
        },
        "StatusMessage": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
            "traits": {
                "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
            }
        },

  "StartTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
            }
        },
        "LicenseConversionTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
            }
        },
        "EndTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Time at which the license type conversion task was
completed.</p>"
            }
        }
    },
```

```
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

         },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
```

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. ",
"smithy.api#required":
{}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"ReportGenerator": {
"target": "com.amazonaws.licensemanager#ReportGenerator",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license configurations. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#input": {}
}

```
    },
    "com.amazonaws.licensemanager#GetLicenseResponse": {
        "type": "structure",
        "members": {
            "License": {
                "target": "com.amazonaws.licensemanager#License",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },

"com.amazonaws.licensemanager#GetLicenseUsage": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {

"target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
        }
```

```
    },
    "com.amazonaws.licensemanager#GetLicenseUsageRequest": {
      "type": "structure",
      "members": {
        "LicenseArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
      "type": "structure",
      "members": {
        "LicenseUsage": {
          "target":
"com.amazonaws.licensemanager#LicenseUsage",
          "traits": {
            "smithy.api#documentation": "<p>License usage details.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#GetServiceSettings": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsRequest": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "S3BucketArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Regional S3 bucket path for storing reports, license trail event data,
discovery data,\n        and so on.</p>"

  }
            },
            "SnsTopicArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>SNS topic configured to receive notifications from License
Manager.</p>"
                }
            },
            "OrganizationConfiguration": {
                "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether Organizations is integrated with License
Manager for\n        cross-account discovery.</p>"
                }
            },
            "EnableCrossAccountsDiscovery": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether cross-account discovery is enabled.</p>"
                }
```

```
        },
            "LicenseManagerResourceShareArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource share. The License
Manager management account \n        provides member accounts with access to this share.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#Grant": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {

 "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ParentArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Parent ARN.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>License ARN.</p>",
                    "smithy.api#required": {}
                }
            },
            "GranteePrincipalArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
```

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. ",
"smithy.api#required": {}
}
},
"GrantedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Granted operations. ",
"smithy.api#required": {}
}
},
"Options": {
"target": "com.amazonaws.licensemanager#Options",
"traits": {
"smithy.api#documentation": " The options specified for the grant. "
}
}
},
"traits": {
"smithy.api#documentation":

" Describes a grant. "
}
},
"com.amazonaws.licensemanager#GrantList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Grant"
}
},
"com.amazonaws.licensemanager#GrantStatus": {
"type": "enum",
"members": {
"PENDING_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_WORKFLOW"
}
},
"PENDING_ACCEPT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_ACCEPT"
}
},
"REJECTED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REJECTED"

}
},
"ACTIVE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ACTIVE"
}
},
"FAILED_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED_WORKFLOW"
}
},
"DELETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DELETED"
}

```
            },
            "PENDING_DELETE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_DELETE"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits":
{
                    "smithy.api#enumValue": "DISABLED"
                }
            },
            "WORKFLOW_COMPLETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WORKFLOW_COMPLETED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#GrantedLicense": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>"
                }

  },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product name.</p>"
                }
            },
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product SKU.</p>"
```

```
            }
        },
        "Issuer": {
            "target": "com.amazonaws.licensemanager#IssuerDetails",
            "traits": {
                "smithy.api#documentation": "<p>Granted license issuer.</p>"
            }
        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Home Region of the granted license.</p>"

         }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>Granted license status.</p>"
            }
        },
        "Validity": {
            "target": "com.amazonaws.licensemanager#DatetimeRange",
            "traits": {
                "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in
ISO8601-UTC format.</p>"
            }
        },
        "Beneficiary": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
            }
        },
        "Entitlements": {
            "target": "com.amazonaws.licensemanager#EntitlementList",
             "traits": {
                "smithy.api#documentation": "<p>License entitlements.</p>"
            }
        },
        "ConsumptionConfiguration": {
            "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
            }
        },
        "LicenseMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
```

"traits": {
"smithy.api#documentation": " Granted license metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Creation time of the granted license. "

}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Version of the granted license. "
}
},
"ReceivedMetadata": {
"target": "com.amazonaws.licensemanager#ReceivedMetadata",
"traits": {
"smithy.api#documentation": " Granted license received metadata. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a license that is granted to a grantee. "
}
},
"com.amazonaws.licensemanager#GrantedLicenseList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#GrantedLicense"
}
},
"com.amazonaws.licensemanager#ISO8601DateTime":
{
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$"
}
},
"com.amazonaws.licensemanager#Integer": {
"type": "integer"

```
    },
    "com.amazonaws.licensemanager#InvalidParameterValueException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidParameterValueProvided",
                "httpResponseCode": 400
            },
            "smithy.api#documentation":
 "<p>One or more parameter values are not valid.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#InvalidResourceStateException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidResourceState",
                "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n        <p>For example, you cannot allocate a license to an instance in the process of shutting\n
down.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },

    "com.amazonaws.licensemanager#InventoryFilter": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the filter.</p>",
                    "smithy.api#required": {}
                }
```

```
        },
        "Condition": {
            "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
            "traits": {
                "smithy.api#documentation": "<p>Condition of the filter.</p>",
                "smithy.api#required": {}
            }
        },
        "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Value of the filter.</p>"
            }
        }

    },
    "traits": {
        "smithy.api#documentation": "<p>An inventory filter.</p>"
    }
  },
  "com.amazonaws.licensemanager#InventoryFilterCondition": {
    "type": "enum",
    "members": {
        "EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EQUALS"
            }
        },
        "NOT_EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "NOT_EQUALS"
            }
        },
        "BEGINS_WITH": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "BEGINS_WITH"
            }
        },
        "CONTAINS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "CONTAINS"
            }
        }
    }
```

```
    },
    "com.amazonaws.licensemanager#InventoryFilterList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#InventoryFilter"
        }
    },
    "com.amazonaws.licensemanager#Issuer": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer name.</p>",
                    "smithy.api#required": {}
                }
            },
            "SignKey": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key usage
 of sign and verify, \n        and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about the issuer of a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#IssuerDetails": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer name.</p>"
                }
            },
            "SignKey": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n        and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
                }
            },
            "KeyFingerprint": {
```

```
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Issuer key fingerprint.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Details associated with the issuer of a license.</p>"
    }
},
"com.amazonaws.licensemanager#License": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
        },
        "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {

       "smithy.api#documentation": "<p>License name.</p>"
            }
        },
        "ProductName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Product name.</p>"
            }
        },
        "ProductSKU": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Product SKU.</p>"
            }
        },
        "Issuer": {
            "target": "com.amazonaws.licensemanager#IssuerDetails",
            "traits": {
                "smithy.api#documentation": "<p>License issuer.</p>"
            }
        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Home Region of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " License metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " License creation time. "
}
},

```
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
    "type": "structure",
    "members": {
        "LicenseConfigurationId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
            }
        },
        "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
        },
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Name of the license configuration.</p>"
            }
        },
        "Description": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Description of the license configuration.</p>"
            }
        },
        "LicenseCountingType": {
            "target": "com.amazonaws.licensemanager#LicenseCountingType",
            "traits": {
                "smithy.api#documentation": "<p>Dimension to use to track the license inventory.</p>"
             }
        },
        "LicenseRules": {
            "target": "com.amazonaws.licensemanager#StringList",
            "traits": {
                "smithy.api#documentation": "<p>License rules.</p>"
```

```
            }
        },
        "LicenseCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
            }
        },
        "LicenseCountHardLimit": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
                "smithy.api#documentation": "<p>Number of available licenses as a hard limit.</p>"
            }
        },
        "DisassociateWhenNotFound": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
             "traits": {
                "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
            }
        },
        "ConsumedLicenses": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of licenses consumed. </p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Status of the license configuration.</p>"
            }
        },
        "OwnerAccountId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Account ID of the license configuration's owner.</p>"

        }
        },
        "ConsumedLicenseSummaryList": {
            "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
            "traits": {
                "smithy.api#documentation": "<p>Summaries for licenses consumed by various resources.</p>"
            }
        },
        "ManagedResourceSummaryList": {
            "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
```

"traits": {
"smithy.api#documentation": " Summaries for managed resources. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {

"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
}
},
"traits": {
"smithy.api#documentation": " A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
"type": "structure",
"members": {
"ResourceArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of server resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}

```
            },
            "AssociationTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {

    "smithy.api#documentation": "<p>Time when the license configuration was associated with the resource.</p>"
                }
            },
            "AmiAssociationScope": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes an association with a license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationStatus": {
        "type": "enum",
        "members":
{
            "AVAILABLE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "AVAILABLE"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DISABLED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationUsage": {
        "type": "structure",
        "members": {
            "ResourceArn": {
```

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits":
{
"smithy.api#documentation": " Type of resource. "
}
},
"ResourceStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the usage of a resource associated with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"

```
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurations": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConfiguration"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionContext": {

  "type": "structure",
        "members": {
            "UsageOperation": {
                "target": "com.amazonaws.licensemanager#UsageOperation",
                "traits": {
                    "smithy.api#documentation": "<p>The Usage operation value that corresponds to the license type you
are converting your resource from.  For more information about which platforms correspond to which usage
operation values see <a href=\"https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/billing-info-
fields.html#billing-info\">Sample data: usage operation by platform\n      </a>\n         </p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTask": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {

     "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the license type conversion task.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource associated
with the license type\n         conversion task.</p>"
                }
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license type this conversion task converted
from.</p>"
```

```
            }
        },
        "DestinationLicenseContext": {
            "target":
 "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
                "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
            "traits": {
                "smithy.api#documentation": "<p>The status of the conversion task.</p>"
            }
        },
        "StatusMessage": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
            }
        },
        "StartTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation":
 "<p>The time the conversion task was started at.</p>"
            }
        },
        "LicenseConversionTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
            }
        },
        "EndTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
```

```
        "type": "string",
        "traits": {

       "smithy.api#length": {
            "min": 0,
            "max": 50
          },
          "smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
        }
      },
      "com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
        "type": "enum",
        "members": {
          "IN_PROGRESS": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "IN_PROGRESS"
            }
          },
          "SUCCEEDED": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "SUCCEEDED"
            }
          },
          "FAILED": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "FAILED"
            }
          }
        }
      },
      "com.amazonaws.licensemanager#LicenseConversionTasks":
  {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#LicenseConversionTask"
        }
      },
      "com.amazonaws.licensemanager#LicenseCountingType": {
        "type": "enum",
        "members": {
          "VCPU": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "vCPU"
            }
```

```
        },
        "INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Instance"
            }
        },
        "CORE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Core"
            }
        },
        "SOCKET": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "Socket"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
    "type": "enum",
    "members": {
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#License"
    }
},
"com.amazonaws.licensemanager#LicenseOperationFailure": {

    "type": "structure",
    "members": {
```

"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Resource type. "
}
},
"ErrorMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Error message. "
}
},
"FailureTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Failure time. "
}
},
"OperationName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the operation. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource. "
}
},
"OperationRequestedBy": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The requester is \"License Manager Automated Discovery\". "
}
},
"MetadataList": {

"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {

"smithy.api#documentation": " Reserved. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the failure of a license operation. "
}
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailure"
}
},
"com.amazonaws.licensemanager#LicenseSpecification": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Details for associating a license configuration with a resource. "
}
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseSpecification"
}
},
"com.amazonaws.licensemanager#LicenseStatus": {
"type": "enum",
"members": {
"AVAILABLE": {

"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"PENDING_AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_AVAILABLE"
}
},
"DEACTIVATED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DEACTIVATED"
}
},
"SUSPENDED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SUSPENDED"
}
},
"EXPIRED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EXPIRED"
}
},

"PENDING_DELETE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_DELETE"
}
},
"DELETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DELETED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseUsage": {
"type": "structure",
"members": {

"EntitlementUsages": {
"target": "com.amazonaws.licensemanager#EntitlementUsageList",
"traits": {
"smithy.api#documentation": " License entitlement usages. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the entitlement usage associated with a license. "

}
},
"com.amazonaws.licensemanager#LicenseUsageException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "LicenseUsageFailure",
"httpResponseCode": 412
},
"smithy.api#documentation": " You do not have enough licenses available to support a new resource launch. ",
"smithy.api#error": "client",
"smithy.api#httpError": 412
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"

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            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the resource associations for the
 specified license configuration.</p>\n        <p>Resource associations need not consume licenses from a license
configuration. \n        For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules).</p>"
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results
 to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
        "type": "structure",
```

"members": {
"LicenseConfigurationAssociations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license configuration. "
}
},
"NextToken": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants distributed for the specified license. "
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
"type": "structure",
"members": {
"GrantArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranteePrincipalARN</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n
\n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
"type": "structure",

"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",

"traits": {
"smithy.api#documentation": " Distributed grant details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license configuration operations that failed. "
}

```
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
      "type": "structure",
      "members": {
        "LicenseConfigurationArn": {
          "target": "com.amazonaws.licensemanager#String",
           "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
            "smithy.api#required": {}
          }
        },
        "MaxResults": {
          "target": "com.amazonaws.licensemanager#BoxInteger",
          "traits": {
            "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
      "type": "structure",
      "members": {
        "LicenseOperationFailureList": {
          "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
          "traits": {
            "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
```

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    },
    "com.amazonaws.licensemanager#ListLicenseConfigurations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
        },

    "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configurations
 for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArns": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
```

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next
set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical
operators\n are supported: \n \n \n \n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n
\n <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>. \n
\n \n \n <code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
"type": "structure",
"members": {
"LicenseConfigurations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurations",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},

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    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
    "type": "structure",
    "members": {
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {

"smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
```

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            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>\n        Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n      </p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
        "type": "structure",
        "members": {
            "LicenseConversionTasks": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTasks",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configuration tasks for your
 account.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target":
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"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the report generators for your account. "
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported:
\n \n \n \n <code>LicenseConfigurationArn</code>\n
\n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits":
{
"smithy.api#documentation": " Maximum number of results to return in a single call. "

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            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
        "type": "structure",
        "members": {
          "ReportGenerators": {
            "target": "com.amazonaws.licensemanager#ReportGeneratorList",
            "traits": {
              "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }

        }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
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"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Describes the license configurations for the specified resource. "
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a resource that has an associated license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {
"LicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " License configurations associated with a resource. "
}
},

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        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                "smithy.api#required": {}
```

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            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
        "type": "structure",
        "members": {
          "Licenses": {
            "target": "com.amazonaws.licensemanager#LicenseList",
            "traits": {
              "smithy.api#documentation": "<p>License details.</p>"
            }
          },

"NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenses": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListLicensesRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListLicensesResponse"
        },
```

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the licenses for your account. "
}
},
"com.amazonaws.licensemanager#ListLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>Beneficiary</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>Status</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token

for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicensesResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#LicenseList",
"traits": {
"smithy.api#documentation": " License details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

```
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target":
 "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the received license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
    <ul>\n        <li>\n            <p>\n                <code>ParentArn</code>\n            </p>\n        </li>\n
<li>\n            <p>\n                <code>GranteePrincipalArn</code>\n            </p>\n        </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
```

"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",
"traits": {
"smithy.api#documentation": " Lists the grants the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
"type": "structure",
"members": {
"GrantArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranterAccountId</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},

```
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
    "type": "structure",
    "members": {
        "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
             "traits": {
                "smithy.api#documentation": "<p>Received grant details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
         },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists received licenses.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {

    "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
```

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the licenses received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>Beneficiary</code>\n \n \n \n \n <code>ProductSKU</code>\n
\n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#GrantedLicenseList",
"traits": {
"smithy.api#documentation": " Lists the licenses the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>IssuerName</code>\n \n \n \n \n <code>Beneficiary</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
"type": "structure",

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    "members": {
      "Licenses": {
        "target": "com.amazonaws.licensemanager#GrantedLicenseList",
        "traits": {
          "smithy.api#documentation": "<p>Received license details.</p>"
        }
      },

      "NextToken": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
          "smithy.api#documentation": "<p>Token for the next set of results.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanager#ListResourceInventory": {
    "type": "operation",
    "input": {
      "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
    },
    "output": {
      "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
      {
        "target": "com.amazonaws.licensemanager#AccessDeniedException"
      },
      {
        "target": "com.amazonaws.licensemanager#AuthorizationException"
      },
      {
        "target": "com.amazonaws.licensemanager#FailedDependencyException"
      },
      {
        "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
      },
      {
        "target": "com.amazonaws.licensemanager#RateLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#ServerInternalException"
```

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListResourceInventoryRequest": {
        "type": "structure",
        "members": {
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                 "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#InventoryFilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n                    <code>account_id</code>
- The ID of the Amazon Web Services account that owns the resource.\n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n
            </li>\n            <li>\n                <p>\n                    <code>application_name</code> - The name of the
application. \n                Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n
    </li>\n            <li>\n                <p>\n                    <code>license_included</code> - The type of license included. \n
            Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n                Possible values
are <code>sql-server-enterprise</code> | \n                <code>sql-server-standard</code> | \n                <code>sql-
server-web</code> |  \n                <code>windows-server-datacenter</code>.</p>\n            </li>\n            <li>\n
    <p>\n                    <code>platform</code> - The platform of the resource.\n                Logical operators are
<code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n            </li>\n            <li>\n                <p>\n
        <code>resource_id</code> - The ID of the resource. \n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n                <p>\n
      <code>tag:<key></code> - The key/value combination of a tag assigned \n                to the resource. Logical
operators are <code>EQUALS</code> (single account) or\n                <code>EQUALS</code> |
<code>NOT_EQUALS</code> (cross account).</p>\n            </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
```

```
    "com.amazonaws.licensemanager#ListResourceInventoryResponse": {
      "type": "structure",
      "members": {
        "ResourceInventoryList": {
          "target": "com.amazonaws.licensemanager#ResourceInventoryList",
          "traits": {
            "smithy.api#documentation": "<p>Information
about the resources.</p>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#ListTagsForResource": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
         },
        {
          "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
      ],
      "traits": {
        "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
```

```
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
        "errors":
[
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists your tokens.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTokensRequest": {
        "type": "structure",
        "members": {
            "TokenIds": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {

                  "smithy.api#documentation": "<p>Token IDs.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
    <ul>\n        <li>\n        <p>\n        <code>LicenseArns</code>\n        </p>\n        </li>\n
</ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation":
 "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
```

```
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokensResponse": {
        "type": "structure",
        "members": {
            "Tokens": {
                "target": "com.amazonaws.licensemanager#TokenList",
                "traits": {
                    "smithy.api#documentation": "<p>Received token details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
```

```
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying license\n consumption details by resource at a selected point in time. Use this action to audit the\n current license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical operators\n are supported:</p>\n <ul>\n <li>\n <p>\n <code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n </li>\n <li>\n <p>\n <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n </li>\n <li>\n <p>\n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n </li>\n </ul>"
                }
            }
```

```
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
        "type": "structure",
        "members": {

"LicenseConfigurationUsageList": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#Location": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#Long": {
        "type": "long"
    },
    "com.amazonaws.licensemanager#ManagedResourceSummary": {
        "type": "structure",
        "members": {
            "ResourceType":
{
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
                }
            },
            "AssociationCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
                }
            }
```

```
    },
    "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
    }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
    }
},
"com.amazonaws.licensemanager#MaxSize100": {

"type": "integer",
    "traits": {
        "smithy.api#range": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The key name.</p>"
            }
        },

"Value": {
            "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " The value. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes key/value pairs. "
}
},
"com.amazonaws.licensemanager#MetadataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Metadata"
}
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n \n \n As a grantor, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your organization. \n \n \n As a grantee, if the grantor creating the distributed grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n are activating the grant. \n \n \n <dl>\n <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n Use this value to activate a grant without replacing any member accounts\n active grants for the same product. \n </dd>\n <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n Use this value to activate a

grant and disable other active grants in any\n member accounts
for the same product. This action will also replace their\n previously activated grants with this activated grant. \n </dd>\n </dl>"
}
}
},
"traits": {
"smithy.api#documentation": " The options you can specify when you create a new version of a grant, such as activation\n override behavior. For more information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#OrganizationConfiguration": {
"type": "structure",
"members": {
"EnableIntegration": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,
"smithy.api#documentation": " Enables Organizations integration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Configuration information for Organizations. "
}
},
"com.amazonaws.licensemanager#PrincipalArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 1
}
}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Resource type. The possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a <code>ProductInformationFilterComparator</code> which is a logical operator, a <code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. \n The following filters and are supported when the resource type \n is <code>SSM_MANAGED</code>: \n \n \n \n <code>Application Name</code> - The name of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Publisher</code> - The publisher of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n \n \n \n \n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n \n \n <code>License Included</code> - The type of license included.\n Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are: <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n The following filters and logical operators are supported when the resource type\n is <code>RDS</code>: \n \n \n \n <code>Engine Edition</code> - The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>. \n \n \n \n <code>License Pack</code> - The license pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n <code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n \n ",
"smithy.api#required": {}
}
}
},

```
    "traits": {
        "smithy.api#documentation": "<p>Describes product information for a license configuration.</p>"
    }
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
    "type": "structure",
    "members": {
        "ProductInformationFilterName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Filter name.</p>",
                "smithy.api#required": {}
            }
        },
        "ProductInformationFilterValue": {
            "target": "com.amazonaws.licensemanager#StringList",

      "traits": {
                "smithy.api#documentation": "<p>Filter value.</p>"
            }
        },
        "ProductInformationFilterComparator": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Logical operator.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes product information filters.</p>"
    }
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ProductInformationFilter"
    }
},
"com.amazonaws.licensemanager#ProductInformationList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ProductInformation"
     }
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
    "type": "structure",
    "members": {
```

"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the provisional configuration, in minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "RateLimitExceeded",
"httpResponseCode": 429
},
"smithy.api#documentation": " Too many requests have been submitted. Try again after a brief wait. ",
"smithy.api#error": "client",
"smithy.api#httpError": 429
}
},
"com.amazonaws.licensemanager#ReceivedMetadata": {
"type": "structure",
"members": {
"ReceivedStatus": {
"target": "com.amazonaws.licensemanager#ReceivedStatus",
"traits": {
"smithy.api#documentation": " Received status. "
}
},
"ReceivedStatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Received status reason. "
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",

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            "traits": {
                "smithy.api#documentation": "<p>Allowed operations.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
    }
},
"com.amazonaws.licensemanager#ReceivedStatus": {
    "type": "enum",
    "members": {
        "PENDING_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_WORKFLOW"
            }
        },
        "PENDING_ACCEPT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue":
"PENDING_ACCEPT"
            }
        },
        "REJECTED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "REJECTED"
            }
        },
        "ACTIVE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ACTIVE"
            }
        },
        "FAILED_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED_WORKFLOW"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
```

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        },
        "DISABLED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DISABLED"
            }
        },
        "WORKFLOW_COMPLETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "WORKFLOW_COMPLETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#RedirectException": {
    "type": "structure",
    "members": {
        "Location": {
            "target": "com.amazonaws.licensemanager#Location",
            "traits": {
                "smithy.api#httpHeader": "Location"
            }
        },
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 308
    }
},
"com.amazonaws.licensemanager#RejectGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#RejectGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#RejectGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
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            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#RejectGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}

  }
    },
    "com.amazonaws.licensemanager#RejectGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
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            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#RenewType":
{
    "type": "enum",
    "members": {
        "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "None"
            }
        },
        "WEEKLY": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Weekly"
            }
        },
        "MONTHLY": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Monthly"
            }
        }
    }
},
"com.amazonaws.licensemanager#ReportContext": {
    "type": "structure",
    "members": {
        "licenseConfigurationArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
            "traits": {
```

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "
}
},
"period": {
"target": "com.amazonaws.licensemanager#ReportFrequencyType",

"traits": {
"smithy.api#documentation": " Time period between each report. The period can be daily, weekly, or monthly. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
"type": "enum",
"members": {
"DAY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DAY"
}
},
"WEEK": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WEEK"
}
},

"MONTH": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "MONTH"
}
}
}
},
"com.amazonaws.licensemanager#ReportGenerator": {
"type": "structure",
"members": {
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the report generator. "
}
},
"ReportType": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports that are generated. "
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " License
configuration type for this generator. "
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. "
}
},
"LastRunStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the last report generation attempt. "
}

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            },
            "LastRunFailureReason":
 {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
                }
            },
            "LastReportGenerationTime": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
                }
            },
            "ReportCreatorAccount": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report
generator.</p>"
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",

        "traits": {
                    "smithy.api#documentation": "<p>Description of the report generator.</p>"
                }
            },
            "S3Location": {
                "target": "com.amazonaws.licensemanager#S3Location",
                "traits": {
                    "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
                }
            },
            "CreateTime": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Time the report was created.</p>"
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
                }
```

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}
    },
    "traits": {
        "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
    }
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ReportGenerator"
    }
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#ReportType": {
    "type": "enum",
    "members": {
        "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
            }

},
        "LICENSE_CONFIGURATION_USAGE_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "LicenseConfigurationUsageReport"
            }
        }
    }
},
"com.amazonaws.licensemanager#ReportTypeList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ReportType"
    }
},
"com.amazonaws.licensemanager#ResourceInventory": {
    "type": "structure",
    "members": {
```

"ResourceId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits":
{
"smithy.api#documentation": " Type of resource. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"Platform": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Platform of the resource. "
}
},
"PlatformVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Platform version of the resource in the inventory. "
}
},
"ResourceOwningAccountId":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about a resource. "
}
},
"com.amazonaws.licensemanager#ResourceInventoryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ResourceInventory"
}

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},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "ResourceLimitExceeded",

         "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
     "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_INSTANCE"
            }
        },
        "EC2_HOST": {
            "target": "smithy.api#Unit",
            "traits": {
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"smithy.api#enumValue": "EC2_HOST"
}
},
"EC2_AMI": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_AMI"
}
},
"RDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "RDS"
}
},
"SYSTEMS_MANAGER_MANAGED_INSTANCE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
}
}
}
},
"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"com.amazonaws.licensemanager#ServerInternalException": {
"type": "structure",
"members": {
"Message": {

"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InternalError",
"httpResponseCode": 500
},
"smithy.api#documentation": " The server experienced an internal error. Try again. ",
"smithy.api#error": "server",
"smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanager#SignedToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 4096
}
}
},
"com.amazonaws.licensemanager#StatusReasonMessage": {
"type": "string",
"traits":
{
"smithy.api#length": {
"min": 0,
"max": 400
},
"smithy.api#pattern": "^[\\s\\S]+$"
}
},
"com.amazonaws.licensemanager#String": {
"type": "string"
},
"com.amazonaws.licensemanager#StringList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#String"
}
},
"com.amazonaws.licensemanager#Tag": {
"type": "structure",
"members": {
"Key": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Tag key. "

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            }
          },
          "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation":
"<p>Tag value.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
        }
      },
      "com.amazonaws.licensemanager#TagKeyList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#String"
        }
      },
      "com.amazonaws.licensemanager#TagList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#Tag"
        }
      },
      "com.amazonaws.licensemanager#TagResource": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#TagResourceRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#TagResourceResponse"
        },
        "errors": [
          {
            "target":
"com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
```

```
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>One or more tags.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>"
                }
            },
```

"TokenType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Type of token generated. The supported value is <code>REFRESH_TOKEN</code>. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"ExpirationTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Token expiration time, in ISO8601-UTC format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",

"member": {
"target": "com.amazonaws.licensemanager#TokenData"
}
},
"com.amazonaws.licensemanager#TokenString": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 4096
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#TokenType": {
"type": "enum",
"members": {
"REFRESH_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REFRESH_TOKEN"
}
}
}
},
"com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The digital signature method is unsupported. Try your request
again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#UntagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UntagResourceResponse"
},

```
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Removes the specified tags from the specified license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#UntagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "TagKeys": {
                "target": "com.amazonaws.licensemanager#TagKeyList",
                "traits": {
                    "smithy.api#documentation": "<p>Keys identifying the tags to remove.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UntagResourceResponse": {
        "type": "structure",
        "members": {},
```

"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Modifies the attributes of an existing license configuration. "
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},

"LicenseConfigurationStatus": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
"traits": {
"smithy.api#documentation": " New status of the license configuration. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " New license rule. The only rule that you can add after you create a license\n configuration is licenseAffinityToHost. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",

"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits":
{
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},

```
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to update.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types are supported:</p>\n        <ul>\n            <li>\n                <p>License configuration report - Reports the number and details of consumed licenses for a license configuration.</p>\n            </li>\n            <li>\n                <p>Resource report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n            </li>\n        </ul>",
                    "smithy.api#required": {}
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
                    "smithy.api#documentation": "<p>The report context.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportFrequency": {
                "target": "com.amazonaws.licensemanager#ReportFrequency",
```

"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},

```
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },

            {
                "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
            },
            {
                "target": "com.amazonaws.licensemanager#LicenseUsageException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified
Amazon Web Services resource.</p>\n        <p>You can update the license specifications of AMIs, instances, and
hosts.\n        You cannot update the license specifications for launch templates and CloudFormation templates, \n
  as they send license configurations to the operation that creates the resource.</p>"
        }
    },

    "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services
resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "AddLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
                }
            },
            "RemoveLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation":
 "<p>ARNs of the license configurations to remove.</p>"
                }
```

```
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
         },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
    }
},
"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
    "type": "structure",
    "members": {
        "S3BucketArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
Manager information is stored. "
}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Enables integration with Organizations for cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Activates cross-account discovery. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UsageOperation": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
}
}
},
"com.amazonaws.licensemanager#ValidationException": {

```
            "type": "structure",
            "members": {
                "Message": {
                    "target": "com.amazonaws.licensemanager#Message"
                }
            },
            "traits": {
                "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

        "smithy.api#error": "client",
                "smithy.api#httpError": 400
            }
        }
    }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/aws/signer/v4"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {
```

```
 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version
 of the license.
 //
 // This member is required.
 SourceVersion *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack,
 options); err != nil {
  return err
```

```
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = awsmiddleware.AddClientRequestIDMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddComputeContentLengthMiddleware(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = v4.AddComputePayloadSHA256Middleware(stack); err != nil {
  return err
 }
 if err = addRetryMiddlewares(stack, options); err != nil {
  return err
 }
 if err = awsmiddleware.AddRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if
 err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecursionDetection(stack); err != nil {
  return err
 }
```

```
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
```

1.6704 codegangsta-cli 1.22.12

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1.6705 container-device-interface-specs-go 0.8.0

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1.6712 goresctrl 0.3.0

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1.6713 dario-mergo 0.3.11

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import: ../../../../fossene/db/schema/thing.yml
fields:
  site: string
  author: root

1.6714 x-term 0.27.0

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1.6715 x-net 0.34.0

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1.6716 zfs 1.1.0

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1.6717 sys-symlink 0.3.0

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1.6718 golang-genproto 0.0.0-20240123012728-ef4313101c80

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1.6719 feign-hc5 13.3

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Found in path(s):
* /opt/cola/permits/2309446534_1736236681.7926188/0/feign-hc5-13-3-jar/META-INF/maven/io.github.openfeign/feign-hc5/pom.xml
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```
Manifest-Version: 1.0
Created-By: Apache Maven Bundle Plugin 5.1.9
Build-Jdk-Spec: 21
Build-Tool-Jdk-Spec: 21
Bnd-LastModified: 1718905891716
Bundle-Description: Feign Apache HttpComponents Client 5
Bundle-DocURL: https://github.com/openfeign
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Feign Apache HttpComponents Client 5
Bundle-SymbolicName: io.github.openfeign.feign-hc5
Bundle-Vendor: OpenFeign
Bundle-Version: 13.3.0
Export-Package: feign.hc5;uses:="feign,org.apache.hc.client5.http.classi
c,org.apache.hc.client5.http.impl.async,org.apache.hc.client5.http.prot
ocol";version="13.3.0"
Import-Package: feign;version="[13.3,14)",org.apache.hc.client5.http.asy
nc.methods,org.apache.hc.client5.http.classic,org.apache.hc.client5.htt
p.config,org.apache.hc.client5.http.entity,org.apache.hc.client5.http.i
mpl.async,org.apache.hc.client5.http.impl.classic,org.apache.hc.client5
 .http.protocol,org.apache.hc.core5.concurrent,org.apache.hc.core5.http,
org.apache.hc.core5.http.io.entity,org.apache.hc.core5.http.io.support,
org.apache.hc.core5.http.protocol,org.apache.hc.core5.io,org.apache.hc.
core5.net
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Tool: Bnd-6.3.1.202206071316
```

Found in path(s):
* /opt/cola/permits/2309446534_1736236681.7926188/0/feign-hc5-13-3-jar/META-INF/MANIFEST.MF

1.6720 textfsm 1.1.3

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1.6731 xpath 1.2.0

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1.6733 etcd-client-pkg 3.5.2

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1.6734 go-metro 0.0.0-20211217172704-adc40b04c140

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This package is a mechanical translation of the reference C++ code for MetroHash, available at https://github.com/jandrewrogers/MetroHash

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1.6735 inotify 0.2.10

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1.6736 shopify-sarama 1.30.0

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1.6737 sh 1.14.3

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1.6738 genproto-googleapis-rpc 0.0.0-20240814211410-ddb44dafa142

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1.6739 modernc-mathutil 1.5.0

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1.6740 proto-google-common-protos 2.43.0

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Found in path(s):
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/Distribution.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/shopping/type/Destination.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/type/PostalAddressOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/rpc/ErrorInfoOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/rpc/QuotaFailureOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/type/DateOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/apps/card/v1/OpenLink.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-

jar/com/google/shopping/type/ChannelOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/apps/card/v1/GridOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/QuotaLimitOrBuilder.java
*
/opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/type/PhoneNumber.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/LaunchStageProto.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/RubySettingsOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/type/ExprOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/rpc/LocalizedMessageOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/MethodSettingsOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/VisibilityProto.java
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/opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/cloud/audit/OrgPolicyViolationInfo.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/type/Fraction.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/HttpBodyOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/FieldBehavior.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/apps/card/v1/MaterialIconOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/type/TimeOfDay.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/logging/type/HttpRequestOrBuilder.java
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/opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/cloud/audit/RequestMetadata.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/Metric.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/Http.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/geo/type/Viewport.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/apps/card/v1/DividerOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/rpc/ErrorInfo.java

* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/apps/card/v1/BorderStyleOrBuilder.java
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/opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/longrunning/GetOperationRequest.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/LogDescriptor.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/apps/card/v1/IconOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/rpc/ErrorDetailsProto.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/rpc/PreconditionFailureOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/rpc/CodeProto.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/SystemParameters.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/SourceInfo.java
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/opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/type/Quaternion.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/MetricRuleOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/VisibilityOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/ConfigChange.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/RoutingRuleOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/CppSettings.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/type/DateTime.java
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/opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/AuthProviderOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/cloud/audit/AuditLogProto.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/HttpOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/rpc/context/AuditContextProto.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/AuthenticationRuleOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/apps/card/v1/MaterialIcon.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-

jar/com/google/cloud/location/ListLocationsResponse.java
*
/opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/VisibilityRule.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/longrunning/CancelOperationRequest.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/AuthenticationRule.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/Context.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/apps/card/v1/ButtonOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/cloud/location/GetLocationRequestOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/ErrorReasonProto.java
*
/opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/LogDescriptorOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/apps/card/v1/SuggestionsOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/OAuthRequirementsOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/Backend.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/longrunning/ListOperationsResponse.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/QuotaLimit.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/ResourceDescriptorOrBuilder.java
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/opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/NodeSettings.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/cloud/OperationResponseMapping.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/shopping/type/ReportingContext.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/rpc/context/AttributeContextProto.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/RoutingParameter.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/MonitoredResourceProto.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/AuthRequirement.java
*

/opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/type/MonthProto.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/type/DecimalProto.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/ContextRuleOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/apps/card/v1/OnClickOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/Publishing.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/type/LatLngOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/type/LatLng.java
*
/opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/ClientProto.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/QuotaOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/DistributionOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/MetricProto.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/VisibilityRuleOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/ControlProto.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/rpc/StatusProto.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/RoutingProto.java
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* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/type/ColorProto.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/cloud/audit/ViolationInfo.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/cloud/audit/PolicyViolationInfoOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/type/Color.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/apps/card/v1/OpenLinkOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/ProjectProperties.java
*

/opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/rpc/Help.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/JwtLocationOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/ClientLibrarySettings.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/shopping/type/TypesProto.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/BillingProto.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/OAuthRequirements.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/LabelProto.java
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* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/ResourceReference.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/Property.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/shopping/type/ReportingContextOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/apps/card/v1/CardOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/ClientLibraryOrganization.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/apps/card/v1/ButtonListOrBuilder.java
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* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/cloud/audit/OrgPolicyViolationInfoOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/MonitoringProto.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/longrunning/Operation.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/SourceInfoProto.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/type/PhoneNumberProto.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/SystemParameterProto.java
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/opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/Monitoring.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-

jar/com/google/apps/card/v1/TextInputOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/ServiceOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/rpc/RequestInfoOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/type/Interval.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/MetricDescriptor.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/apps/card/v1/CardProto.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/cloud/location/LocationOrBuilder.java
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/opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/type/Date.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/type/DateTimeOrBuilder.java
* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/apps/card/v1/ImageComponentOrBuilder.java
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*/
/**
  *
  *
  * <pre>
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  * agreement (which includes confidentiality provisions). These features may
  * be unstable, changed in backward-incompatible ways, and are not
  * guaranteed
 to be released.
  * </pre>
  *
  * <code>EARLY_ACCESS = 1;</code>
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* /opt/cola/permits/2309490454_1736240747.6981604/0/proto-google-common-protos-2-43-0-sources-1-jar/com/google/api/LaunchStage.java

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1.6748 aws-sdk-go-v2-internal-ini 1.8.1

1.6748.1 Available under license :

```
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
       uses: actions/checkout@v2
       with:
         path: new-ref
         fetch-depth: 0
     - name: Get Diff
       run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
     - name: Get Target Files
       run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
     - name: Checkout scancode
       uses: actions/checkout@v2
       with:
         repository: nexB/scancode-toolkit
         path: scancode-toolkit
         fetch-depth: 1
     - name: Set up Python ${{ matrix.python-version }}
```

```
        uses: actions/setup-python@v2
        with:
          python-version: ${{ matrix.python-version }}
      # ScanCode
      - name: Self-configure scancode
        working-directory: ./scancode-toolkit
        run: ./scancode --help
      - name: Run Scan code on target
        run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
      - name: Run Scan code on pr ref
        run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
      # compare
      - name: License test
        run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
CreateLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
```

```
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
ListReceivedLicenses
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
```

```
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
```

```
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}
```

```
func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
```

```
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
```

```
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
```

```
// borrow configuration for workloads with offline usage.
//
// This member is required.
ConsumptionConfiguration *types.ConsumptionConfiguration

// License entitlements.
//
// This member is required.
Entitlements []types.Entitlement

// Home Region for the license.
//
// This member is required.
HomeRegion *string

// License issuer.
//
// This member is required.
Issuer *types.Issuer

// License name.
//
// This member is required.
LicenseName *string

// Product name.
//
// This member is required.
ProductName *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// Date and time range during which the license is valid, in ISO8601-UTC format.
//
// This member is required.
Validity *types.DatetimeRange

// Information about
the license.
LicenseMetadata []types.Metadata

noSmithyDocumentSerde
}

type CreateLicenseOutput struct {
```

```
 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if
 err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
```

```
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return
 err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
```

```
 return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName:
 "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {
```

```
 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
 err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
```

```
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil
{
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
```

```
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
CheckoutLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
```

GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
DisassociateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody

```
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
CheckoutBorrowLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
```

```
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
   - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
```

```
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
```

```
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err
 = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
AssociateLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
```

```
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}
```

```
type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err
 != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
```

```
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpGetLicenseValidationMiddleware(stack);
 err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
```

```
 return err
 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}
```

```
type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
```

```
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
```

```
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
ListLicenses
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
 Serialize stack step
  setOperationInput
  ResolveEndpoint
```

OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AWS SDK for Go
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{
"smithy": "2.0",
"shapes": {
"com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
"type": "long"
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
},
"errors": [

```
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            },

    {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Remove a third-party subscription provider from the Bring Your Own
License (BYOL) subscriptions \n\t\t\tregistered to your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/DeregisterSubscriptionProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                 "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the subscription provider
resource to deregister.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
```

"com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of name to filter by. "
}
},
"Values": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " One or more values for the name to filter by. "
}
},
"Operator": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
"traits": {
"smithy.api#documentation": " An operator for filtering results. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Get details for a Bring Your Own License (BYOL) subscription that's registered to your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetRegisteredSubscriptionProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the BYOL registration resource to get details for. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) for the BYOL registration resource specified in the request. "
}
},
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

"traits": {
"smithy.api#documentation": " The subscription provider for the BYOL registration resource specified \n\t\t\tin the request. "
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " The status of the Linux subscription provider access token from the last \n\t\t\tsuccessful subscription data request. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The detailed message from your subscription provider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time License Manager retrieved subscription details \n\t\t\tfrom your registered third-party Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions service settings for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetServiceSettings"

},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
"type": "structure",
"members": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " Lists
the settings defined for Linux subscriptions discovery. The settings include if\n Organizations integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "

```
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
                "traits": {
                    "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
                }
            },
            "HomeRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                 "traits": {
                    "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
        "type": "structure",
        "members": {
            "AmiId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
                }
            },
            "InstanceID": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
                }
            },
            "InstanceType": {
                "target": "smithy.api#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>The instance type of the resource.</p>"
                }
            },
            "AccountID": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The account ID which owns the instance.</p>"
                }
            },
            "Status": {
                "target": "smithy.api#String",
```

"traits": {
"smithy.api#documentation": " The status of the instance. "
}
},
"Region": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},
"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the license subscription that the instance uses. "
}
},
"OsVersion": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The operating system software version that runs on your instance. "
}
},

"SubscriptionProviderCreateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp when you registered
the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses. "
}
},
"SubscriptionProviderUpdateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that the instance synced with the
registered \n\t\t\tthird-party Linux subscription provider. "
}
},
"DualSubscription": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Indicates that you have two different license subscriptions for
\n\t\t\tthe same software on your instance. "
}
},
"RegisteredWithSubscriptionProvider": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " Indicates that your instance uses a BYOL license subscription from \n\t\t\ta
third-party Linux subscription provider that you've registered with License Manager. "
}
}
},
"traits": {
"smithy.api#documentation": " Details discovered information about a running instance using Linux
subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},

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        "traits": {
            "smithy.api#documentation":
"<p>An exception occurred with the service.</p>",
            "smithy.api#error": "server"
        }
    },
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        "version": "2018-05-10",
        "operations": [
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            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
             },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
            }
        ],
        "traits": {
            "aws.api#service": {
                "sdkId": "License Manager Linux Subscriptions",
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"arnNamespace": "license-manager-linux-subscriptions",
"cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
},
"aws.auth#sigv4": {
"name": "license-manager-linux-subscriptions"
},
"aws.protocols#restJson1": {},
"smithy.api#cors": {
"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager,
you can discover and track your commercial Linux subscriptions on running\n Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
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"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",

```
            "type": "Boolean"
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        "Endpoint": {
            "builtIn": "SDK::Endpoint",
            "required": false,
            "documentation": "Override the endpoint used to send this request",
            "type": "String"
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                    "argv": [
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                            "ref": "Endpoint"
                        }
                    ]
                }
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            "rules": [
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                            "fn": "booleanEquals",
                            "argv": [
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                                    "ref": "UseFIPS"
                                },
                                true
                            ]
                        }

    ],
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                    "type": "error"
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                {
                    "conditions": [],
                    "rules": [
                        {
                            "conditions": [
                                {
                                    "fn": "booleanEquals",
                                    "argv": [
                                        {
                                            "ref": "UseDualStack"
```

```
                    },
                    true
                ]

}
                ],
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                "type": "error"
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                "conditions": [],
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                        "ref": "Endpoint"
                    },
                    "properties": {},
                    "headers": {}
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                "type": "endpoint"
            }
        ],
        "type": "tree"

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    "type": "tree"
},
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    "conditions": [],
    "rules": [
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            "conditions": [
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                    "fn": "isSet",
                    "argv": [
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                            "ref": "Region"
                        }
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```

```
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                        "ref": "Region"
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                "assign": "PartitionResult"
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        "rules": [
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                        "fn": "booleanEquals",
                        "argv": [
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                      "ref": "UseFIPS"
                            },
                            true
                        ]
                    },
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            {
                                "ref": "UseDualStack"
                            },
                            true
                        ]
                    }

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                "rules": [
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                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    true,
                                    {
                                        "fn": "getAttr",
                                        "argv": [
                                            {
                                                "ref": "PartitionResult"

},
                                            "supportsFIPS"
                                        ]
                                    }
```

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                    ]
                },
                {
                    "fn": "booleanEquals",
                    "argv": [
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                        {
                            "fn": "getAttr",
                            "argv": [

                                {
                                    "ref": "PartitionResult"
                                },
                                "supportsDualStack"
                            ]
                        }
                    ]
                }
            ],
            "rules": [
                {
                    "conditions": [],

        "rules": [
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                            "conditions": [],
                            "endpoint": {
                                "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                "properties": {},
                                "headers": {}
                            },
                            "type": "endpoint"
                        }
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            "conditions": [],
            "error": "FIPS and DualStack are enabled, but this partition does not support
one or both",
            "type": "error"
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"type": "tree"
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"argv": [
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true
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"rules": [
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"conditions": [
{

"fn": "booleanEquals",
"argv": [
{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsFIPS"
]
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"rules": [
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"conditions": [],
"rules": [
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"conditions": [],
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"properties": {},
"headers": {}

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but this partition does not support FIPS",
    "type": "error"
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"type": "tree"
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"conditions": [
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        "argv": [
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                "ref": "UseDualStack"
            },
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                "argv": [
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                        "fn": "getAttr",
                        "argv": [
                            {

                            "ref": "PartitionResult"
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                            "supportsDualStack"
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                    "conditions": [],
                    "rules": [

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subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                            "properties": {},
                            "headers": {}
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                        "type": "endpoint"
                    }
                    ],
                    "type": "tree"

}
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            "type": "tree"
        },
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            "type": "error"
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    ],
    "type": "tree"
},
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    "rules": [
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            "conditions": [],
            "endpoint": {
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subscriptions.{Region}.{PartitionResult#dnsSuffix}",
                "properties": {},
                "headers": {}
            },
            "type": "endpoint"
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    "type": "tree"
```

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        "type": "tree"
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    {
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        "type": "error"
    }
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"type": "tree"
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"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"

}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
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"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
}

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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
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{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{

"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},

"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",

"expect": {
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}

},
"params": {
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"UseDualStack": false
}
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
}
},
"params": {
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"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {

"Region": "us-iso-east-1",
"UseFIPS": true,

"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS":
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"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {

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        "UseDualStack": true
    }
},
{
    "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
        }
    },
    "params": {
        "Region": "us-isob-east-1",
        "UseFIPS": true,
        "UseDualStack": false
    }
},
{
    "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
    "expect": {
        "error": "DualStack is enabled but this partition does not support DualStack"
    },
    "params": {
        "Region": "us-isob-east-1",
        "UseFIPS": false,
        "UseDualStack": true
    }
},
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    "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
        }
    },
    "params": {
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        "UseFIPS": false,
        "UseDualStack": false
    }
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{
    "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
    "expect": {
        "endpoint": {
            "url": "https://example.com"
```

}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{

"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
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"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {

"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"

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                }
            },
            {
                "documentation": "Missing region",
                "expect": {
                    "error": "Invalid Configuration: Missing Region"
                }
            }
        ],
        "version": "1.0"
      }
    }
  },
  "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
    "type": "string",
    "traits": {
      "smithy.api#enum": [
        {
          "name": "Enabled",
          "value": "Enabled",
          "documentation": "Enabled LinuxSubscriptionsDiscovery"

 },
        {
          "name": "Disabled",
          "value": "Disabled",
          "documentation": "Disabled LinuxSubscriptionsDiscovery"
        }
      ]
    }
  },
  "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
    "type": "structure",
    "members": {
      "SourceRegions": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
        "traits": {
          "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
          "smithy.api#required": {}
        }
      },
      "OrganizationIntegration": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
        "traits": {
          "smithy.api#documentation":
 "<p>Details if you have enabled resource discovery across your accounts in Organizations.</p>",
          "smithy.api#required": {}
```

```
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },

  {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the running Amazon EC2 instances that were discovered with
commercial Linux\n      subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListLinuxSubscriptionInstances"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "Instances"
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":
 {
        "type": "structure",
        "members": {
```

"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results by your specified criteria. \n \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the \n \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n \t<code>Value</code>, such as <code>us-west</code>. \n For each filter, you can specify one of the following values for the <code>Name</code> key \n \tto streamline results: \n \n \n \n <code>AccountID</code>\n \n \n \n \n <code>AmiID</code>\n \n \n \n \n <code>DualSubscription</code>\n \n \n \n \n <code>InstanceID</code>\n \n \n \n \n <code>InstanceType</code>\n \n \n \n \n <code>ProductCode</code>\n \n \n \n \n <code>Region</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>UsageOperation</code>\n \n \n \n For each filter, you can use one of the following <code>Operator</code>
values to \n \t\tdefine the behavior of the filter: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to
start paginating. This \n\tis the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {

"type": "structure",
"members": {
"Instances": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
"traits": {
"smithy.api#documentation": " An array that contains instance objects. "
}
},
"NextToken": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptions"
},
"smithy.api#idempotent": {},

"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",

"items": "Subscriptions"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't match a certain subscription's name. \n The valid names for this filter are: \n \n \n \n <code>Subscription</code>\n \n \n \n The
valid Operators for this filter are: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis
the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."

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        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
        "type": "structure",
        "members": {
            "Subscriptions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
                "traits": {
                    "smithy.api#documentation": "<p>An array that contains subscription objects.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                 "traits": {
                    "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
        "type": "operation",
        "input": {
            "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
        },
        "output": {
            "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>List Bring Your Own License (BYOL) subscription registration
resources for your account.</p>",
            "smithy.api#http": {
                "code": 200,
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            "method": "POST",
            "uri": "/subscription/ListRegisteredSubscriptionProviders"
          },
          "smithy.api#idempotent": {},
          "smithy.api#paginated": {
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
            "items": "RegisteredSubscriptionProviders"
          }
        }

    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
        "type": "structure",
        "members": {
          "SubscriptionProviderSources": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
            "traits": {
              "smithy.api#documentation": "<p>To filter your results, specify which subscription providers to
return \n\t\t\tin the list.</p>"
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>The maximum items to return in a request.</p>",
              "smithy.api#range": {
                "min": 1,
                "max": 100
              }
            }

  },
          "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis the
nextToken from a previously truncated response.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
        "type": "structure",
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"members": {
"RegisteredSubscriptionProviders": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
"traits": {
"smithy.api#documentation": " The list of BYOL registration resources that fit the criteria \n\t\t\tyou specified in the request. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List the metadata tags that are assigned to the \n\t\t\tspecified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "GET",
"uri": "/tags/{resourceArn}"

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            },
            "smithy.api#readonly": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource for which to
list metadata tags.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags for the requested resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "EQUAL",
                    "value": "Equal",
                    "documentation": "Equal operator"
                },
                {
                    "name": "NOT_EQUAL",
                    "value": "NotEqual",
                    "documentation": "Not equal operator"
```

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                },
                {
                    "name": "CONTAINS",
                    "value": "Contains",
                    "documentation": "Contains operator"
                }
            ],
            "smithy.api#length": {
                "min": 1,
                "max": 20
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "Enabled",
                    "value": "Enabled",
                    "documentation": "Enabled OrganizationIntegration"
                },
                {
                    "name": "Disabled",
                    "value": "Disabled",
                    "documentation": "Disabled OrganizationIntegration"
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
        "type": "list",
        "member": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
         },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
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            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Register the supported third-party subscription provider for your Bring
Your Own License (BYOL) subscription.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/RegisterSubscriptionProvider"

            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation": "<p>The supported Linux subscription provider to register.</p>",
                    "smithy.api#required": {}
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the secret where you've
stored your subscription provider's access token. For \n\t\t\tRHEL subscriptions managed through the
 Red Hat Subscription Manager (RHSM), the secret contains \n\t\t\tyour Red Hat Offline token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags to assign to your registered Linux subscription
provider \n\t\t\tresource.</p>"
                }
            }
        },
        "traits": {
```

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation":
" The Linux subscription provider that you registered. "
}
},
"SubscriptionProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " Indicates the status of the registration action for the Linux subscription provider \n\t\t\tthat you requested. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider":
{
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "
}
},
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " A supported third-party Linux subscription provider. License Manager currently supports \n\t\t\tRed Hat subscriptions. "

```
            }
        },
        "SecretArn": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
            "traits": {
                "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Secrets Manager secret
that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is
the offline token.</p>"
            }
        },
        "SubscriptionProviderStatus": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
            "traits": {
                "smithy.api#documentation": "<p>Indicates the status of your registered Linux subscription provider
access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions,
\n\t\t\tthis is the status of the offline token.</p>"
            }
        },
        "SubscriptionProviderStatusMessage": {
            "target": "smithy.api#String",
            "traits":
 {
                "smithy.api#documentation": "<p>A detailed message that's associated with your BYOL subscription
\n\t\t\tprovider token status.</p>"
            }
        },
        "LastSuccessfulDataRetrievalTime": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The timestamp from the last time that License Manager accessed
third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>A third-party provider for operating system (OS) platform software and
license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider,
License Manager can get subscription data from the registered provider.</p>"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
 {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
```

"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " Unable to find the requested Amazon Web Services resource. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-\\.]{0,63}:secret:[^/]{1,1023}$"

}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "InProgress",
"value": "InProgress",
"documentation": "InProgress status"
},
{
"name": "Completed",
"value": "Completed",
"documentation": "Completed status"
},
{
"name": "Successful",
"value": "Successful",
"documentation": "Successful status"
},
{
"name": "Failed",
"value": "Failed",
"documentation": "Failed status"
}
]
}
},

"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}
}
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
},
"smithy.api#uniqueItems": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
"type": "structure",
"members": {
"Name":
{
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the subscription. "
}
},
"Type": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS. "
}
},
"InstanceCount": {

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
"traits": {
"smithy.api#documentation": " The total amount of running instances using this subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " An object which details a discovered Linux subscription. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
"type": "string",
"traits": {
"smithy.api#enum": [

{
"name": "RedHat",
"value": "RedHat",
"documentation": "RedHat subscription provider namespace"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
"type": "string",
"traits": {
"smithy.api#enum": [
{

"name": "ACTIVE",
"value": "ACTIVE",
"documentation": "ACTIVE status"
},
{
"name": "INVALID",
"value": "INVALID",

"documentation": "INVALID status"
},
{
"name": "PENDING",
"value": "PENDING",
"documentation": "PENDING status"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
"type": "list",
"member": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"

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            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Add metadata tags to the specified Amazon Web Services
resource.</p>",
            "smithy.api#http": {
                "method": "PUT",
                "uri": "/tags/{resourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
        "type": "structure",
        "members":
 {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to which to add the specified \n\t\t\tmetadata tags.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags to assign to the Amazon Web Services resource.
Tags are \n\t\t\tformatted as key value pairs.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }

    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
        "type": "map",
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"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation":
" The request was denied due to request throttling. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
}
],
"traits": {
"smithy.api#documentation": " Remove one or more metadata tag from the specified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "DELETE",

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            "uri": "/tags/{resourceArn}"
          },
          "smithy.api#idempotent": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
        "type": "structure",
        "members": {
          "resourceArn": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
            "traits": {
              "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to remove the metadata tags from.</p>",
              "smithy.api#httpLabel": {},
              "smithy.api#required": {}
            }
          },
          "tagKeys": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
            "traits": {

          "smithy.api#documentation": "<p>A list of metadata tag keys to remove from the requested
\n\t\t\tresource.</p>",
              "smithy.api#httpQuery": "tagKeys",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"
```

```
        },
          "errors": [
            {
              "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
              "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
              "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
          ],
          "traits": {
            "smithy.api#documentation": "<p>Updates the service settings for Linux subscriptions.</p>",
            "smithy.api#http": {
              "code": 200,
              "method": "POST",
              "uri": "/subscription/UpdateServiceSettings"
            },
            "smithy.api#idempotent": {}
          }
        },
        "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
          "type": "structure",
          "members": {
             "LinuxSubscriptionsDiscovery": {
              "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
              "traits": {
                "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
                "smithy.api#required": {}
              }
            },
            "LinuxSubscriptionsDiscoverySettings": {
              "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
              "traits": {
                "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The
settings include if Organizations\n      integration has been enabled, and which Regions data will be aggregated
from.</p>",
                "smithy.api#required": {}
              }
            },
            "AllowUpdate": {
              "target":
 "smithy.api#Boolean",
              "traits": {
                "smithy.api#documentation": "<p>Describes if updates are allowed to the service settings for Linux
subscriptions. If you\n      allow updates, you can aggregate Linux subscription data in more than one home
Region.</p>"
```

```
            }
          }
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
        "type": "structure",
        "members": {
          "LinuxSubscriptionsDiscovery": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
            "traits": {
              "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
            }
          },
          "LinuxSubscriptionsDiscoverySettings": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
             "traits": {
              "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The
settings include if Organizations\n      integration has been enabled, and which Regions data will be aggregated
from.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
            "traits": {
              "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
            }
          },
          "StatusMessage": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
            "traits": {
              "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
            }

       },
          "HomeRegions": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
            "traits": {
              "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
        "type": "structure",
        "members": {
```

```
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
            "smithy.api#error": "client"
        }
    }
  }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string
```

```
 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err !=
 nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
```

```
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil
{
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
```

```
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
DeleteLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
```

Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
GetLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod
```

```
 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
```

```
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
```

```
 return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return
 err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region
```

```
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
```

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```
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package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
```

```
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
```

```
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if
err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
```

```
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil
 {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
 }
}
```

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END OF TERMS AND CONDITIONS

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  limitations under the License.
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
```

```
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack,
 options, "ListLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }
```

```
if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
```

```
 return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:
     ServiceID,
  OperationName: "ListLicenses",
 }
}
CheckInLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
```

disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "shapes": {
    "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
      "type": "structure",
      "members": {
        "message": {
          "target": "smithy.api#String"
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
        "smithy.api#error": "client"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
      "type": "structure",
      "members": {
        "DirectoryId": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation":
"<p>Details about an Active Directory identity provider.</p>"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
      "type": "operation",
```

"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Associates the user to an EC2 instance to utilize user-based subscriptions. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your\n monthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/AssociateUser"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
"type": "structure",
"members": {
"Username": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the
EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The identity provider of the user. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
"type": "structure",
"members": {
"message": {

"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request couldn't be completed because it conflicted with the current state of the\n resource. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deregisters the identity provider from providing user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/DeregisterIdentityProvider"

```
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                 "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
        "type": "structure",
        "members": {
            "IdentityProviderSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
                "traits": {
                    "smithy.api#documentation":
"<p>Metadata that describes the results of an identity provider operation.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
```

```
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/DisassociateUser"
            },
            "smithy.api#idempotent": {}
        }

    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
```

```
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation":
"<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
        "type": "structure",
        "members": {
            "InstanceUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },

"com.amazonaws.licensemanagerusersubscriptions#Filter": {
        "type": "structure",
        "members": {
            "Attribute": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of an attribute to use as a filter.</p>"
                }
            },
            "Operation": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The type of search (For example, eq, geq, leq)</p>"
                }
            },
            "Value": {
                "target": "smithy.api#String",
                "traits": {
```

"smithy.api#documentation": " Value of the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used
to return more specific results from a describe\n operation. Filters can be used to match a set of resources by
specific criteria, such as tags,\n attributes, or IDs. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
"type": "union",
"members": {
"ActiveDirectoryIdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
"traits": {
"smithy.api#documentation": " An object that details an Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation":
" Details about an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " An object that details the registered identity providers product
related configuration\n settings such as the subnets to provision VPC endpoints. ",
"smithy.api#required":

{}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of an identity provider. ",
"smithy.api#required": {}
}
},
"FailureMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The failure message associated with an identity provider. "
}
}
},
"traits": {
"smithy.api#documentation":
" Describes an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based
subscriptions. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The status
of an EC2 instance resource. ",
"smithy.api#required": {}
}
},
"Products": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
"traits": {
"smithy.api#documentation": " A list of provided user-based subscription products. ",
"smithy.api#required": {}
}
},
"LastStatusCheckDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date of the last status check. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for an EC2 instance. "
}

}
},
"traits": {
"smithy.api#documentation": " Describes an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {

"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a user associated with an EC2 instance. ",
"smithy.api#required": {}
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for users of an EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},
"AssociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was associated with an EC2 instance. "
}
},
"DisassociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was disassociated from an EC2 instance. "
}
}

```
  },
        "traits": {
            "smithy.api#documentation": "<p>Describes users of an EC2 instance providing user-based
subscriptions.</p>"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
            "smithy.api#error": "server"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
        "type": "service",

       "version": "2018-05-10",
        "operations": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
            },
            {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"

},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
}
],
"traits": {
"aws.api#service": {
"sdkId": "License Manager User Subscriptions",
"arnNamespace": "license-manager-user-subscriptions",
"cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
},
"aws.auth#sigv4": {
"name": "license-manager-user-subscriptions"
},
"aws.protocols#restJson1": {},
"smithy.api#cors": {
"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id",
"content-length",
"x-api-key",
"authorization",
"x-amz-date",
"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"

]
},
"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n a per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
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"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
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"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}

},
"rules": [
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"conditions": [
{
"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
]

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        }
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    "type": "tree",
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                    "fn": "booleanEquals",
                    "argv": [
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                            "ref": "UseFIPS"
                        },

                    true
                    ]
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            ],
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            "type": "error"
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        {
            "conditions": [
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                    "fn": "booleanEquals",
                    "argv": [
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                            "ref": "UseDualStack"
                        },
                        true
                    ]
                }
            ],

"error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
            "type": "error"
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            "conditions": [],
            "endpoint": {
                "url": {
                    "ref": "Endpoint"
                },
                "properties": {},
                "headers": {}
            },
            "type": "endpoint"
        }
    ]
```

```
        },
        {
          "conditions": [
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              "argv": [

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              }
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                  "argv": [
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                      "ref": "Region"
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                  "assign": "PartitionResult"
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                          "ref": "UseFIPS"
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                        true
                      ]
                    },
                    {
                      "fn": "booleanEquals",
                      "argv": [
                        {
                          "ref": "UseDualStack"
```

```
                    },
                    true
                ]
            }
        ],
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                        "argv": [
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                            {
                                "fn": "getAttr",

"argv": [
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                                        "ref": "PartitionResult"
                                    },
                                    "supportsFIPS"
                                ]
                            }
                        ]
                    },
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {

"fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsDualStack"
                                ]
                            }
                        ]
                    }
                ],
                "type": "tree",
                "rules": [
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"conditions": [],
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"url": "https://license-manager-user-subscriptions-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
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"type": "endpoint"
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]
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{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
]
},
{
"conditions": [
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"fn": "booleanEquals",
"argv": [
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"ref": "UseFIPS"
},
true
]
}
],
"type": "tree",

"rules": [
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"fn": "booleanEquals",
"argv": [
true,
{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsFIPS"

]
}

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                    ]
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fips.{Region}.{PartitionResult#dnsSuffix}",
                        "properties": {},
                        "headers": {}

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                    "type": "endpoint"
                }
            ]
        },
        {
            "conditions": [],
            "error": "FIPS is enabled but this partition does not support FIPS",
            "type": "error"
        }
    ]
},
{
    "conditions": [
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            "fn": "booleanEquals",
            "argv": [
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                },
                true
            ]
        }
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"fn": "getAttr",
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"ref": "PartitionResult"
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]
}
]
}
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"type": "tree",
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"headers": {}
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"type": "endpoint"
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{
"conditions": [],
"error": "DualStack is enabled but this partition does not support DualStack",
"type": "error"
}
]
},
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"conditions": [],
"endpoint": {
"url": "https://license-manager-user-subscriptions.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
}
]
},

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                {
                  "conditions":
[],
                  "error": "Invalid Configuration: Missing Region",
                  "type": "error"
                }
              ]
            },
            "smithy.rules#endpointTests": {
              "testCases": [
                {
                  "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
                  "expect": {
                    "endpoint": {
                      "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
                    }
                  },
                  "params": {
                    "Region": "us-east-1",
                    "UseFIPS": true,
                    "UseDualStack": true
                  }
                },
                {
                  "documentation":
"For region us-east-1 with FIPS enabled and DualStack disabled",
                  "expect": {
                    "endpoint": {
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                    }
                  },
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                    "UseFIPS": true,
                    "UseDualStack": false
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                  "expect": {
                    "endpoint": {
                      "url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
                    }
                  },

                "params": {
                    "Region": "us-east-1",
                    "UseFIPS": false,
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"UseDualStack": true
}
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{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
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"UseDualStack": false
}
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"documentation": "For region cn-north-1 with
FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},

"params": {
"Region": "cn-north-1",
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"UseDualStack": false
}
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{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {

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}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1
with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
}
},

"params": {
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"UseDualStack": true
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"params": {
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"UseDualStack": false
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"documentation": "For region us-gov-east-1
with FIPS disabled and DualStack enabled",
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"url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
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}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect":
{
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"

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                }
            },
            "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": true,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
                "error": "DualStack is enabled but this partition does not support DualStack"
            },
            "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": false,
                "UseDualStack":
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            }
        },
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            "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
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                }
            },
            "params": {
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                "UseDualStack": false
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            "expect": {
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        {
            "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
            "expect": {
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            "endpoint": {
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            }
        },
        "params": {
            "Region": "us-isob-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }

    },
        {
        "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
        "expect": {
            "error": "DualStack is enabled but this partition does not support DualStack"
        },
        "params": {
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            "UseFIPS": false,
            "UseDualStack": true
        }
        },
        {
        "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
            }
        },
         "params": {
            "Region": "us-isob-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
        },
        {
        "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
        "expect": {
            "endpoint": {
                "url": "https://example.com"
            }
        },
        "params": {
            "Region": "us-east-1",
            "UseFIPS": false,
            "UseDualStack": false,
            "Endpoint": "https://example.com"
        }
```

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            },
            {

"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
              "expect": {
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                  "url": "https://example.com"
                }
              },
              "params": {
                "UseFIPS": false,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
            },
            {
              "documentation": "For custom endpoint with fips enabled and dualstack disabled",
              "expect": {
                "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
              },
              "params": {
                "Region": "us-east-1",
                 "UseFIPS": true,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
            },
            {
              "documentation": "For custom endpoint with fips disabled and dualstack enabled",
              "expect": {
                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": true,
                "Endpoint": "https://example.com"
              }
            },
            {
              "documentation": "Missing region",
              "expect": {
                 "error": "Invalid Configuration: Missing Region"
              }
            }
          ],
          "version": "1.0"
        }
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        }
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    "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the identity providers for user-based subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/ListIdentityProviders"
            },
            "smithy.api#paginated":
{
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "IdentityProviderSummaries"
            }
        }
```

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    },
    "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
      "type": "structure",
      "members": {
        "MaxResults": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
          "traits": {
            "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
          }
        },
        "NextToken": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse":
{
      "type": "structure",
      "members": {
        "IdentityProviderSummaries": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
          "traits": {
            "smithy.api#documentation": "<p>Metadata that describes the list identity providers operation.</p>",
            "smithy.api#required": {}
          }
        },
        "NextToken": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
       },
      "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
```

```
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/instance/ListInstances"
        },
        "smithy.api#paginated": {
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
            "items": "InstanceSummaries"
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
    "type": "structure",
    "members": {
        "MaxResults": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
```

```
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
        "type":
 "structure",
        "members": {
            "InstanceSummaries": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the list instances operation.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
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"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the user-based subscription products available from an identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListProductSubscriptions"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "ProductUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
"type": "structure",
"members": {
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",

"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
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"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {

"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
"type": "structure",
"members": {
"ProductUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions operation. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
},
"errors": [

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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target":
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/ListUserAssociations"
            },
            "smithy.api#paginated":
{
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "InstanceUserSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
```

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            }
        },
        "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
                "smithy.api#documentation": "<p>An object that specifies details for the identity
provider.</p>",
                "smithy.api#required": {}
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "Filters": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
            "traits": {
                "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify.</p>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for
the next set of results.</p>"
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
    "type": "structure",
    "members": {
        "InstanceUserSummaries": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
            "traits": {
                "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    }
```

```
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
    "type": "structure",
    "members": {

    "Username": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
                "smithy.api#required": {}
            }
        },
        "Product": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                "smithy.api#required": {}
            }
        },
        "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
                "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                "smithy.api#required": {}
            }

},
        "Status": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The status of a product for a user.</p>",
                "smithy.api#required": {}
            }
        },
        "StatusMessage": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The status message for a product for a user.</p>"
            }
        },
        "Domain": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The domain name of the user.</p>"
            }
        },
        "SubscriptionStartDate": {
            "target": "smithy.api#String",
```

```
                "traits": {
                    "smithy.api#documentation": "<p>The
start date of a subscription.</p>"
                }
            },
            "SubscriptionEndDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The end date of a subscription.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The summary of the user-based subscription products for a user.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
         },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/RegisterIdentityProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity
provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "Settings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
                "traits": {
                    "smithy.api#documentation": "<p>The registered identity providers product related configuration
settings such as the\n      subnets to provision VPC endpoints.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
        "type": "structure",
        "members": {
            "IdentityProviderSummary":
{
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
```

"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The resource couldn't be found. ",
"smithy.api#error": "client",
"smithy.api#httpError": 404
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
"type": "string",

"traits": {
"smithy.api#length": {
"min": 5,
"max": 200
},
"smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request failed because a service quota is exceeded. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Settings": {
"type": "structure",
"members": {
"Subnets": {

"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation":
" The subnets defined for the registered identity provider. ",
"smithy.api#length": {
"min": 1
},
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688
communication between resources in\n your VPC and the VPC endpoint for activation servers. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings
such as the\n subnets to provision VPC endpoints, and the security group ID that
is associated with the VPC\n endpoints. The security group should permit inbound TCP port 1688
communication from resources\n in the VPC. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Starts a product subscription for a user with the specified identity provider. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing.
For more information, see Viewing your\n monthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StartProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},

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            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse": {
        "type": "structure",
         "members": {
            "ProductUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"

    },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Stops a product subscription for a user with the specified identity
provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/StopProductSubscription"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required":
{}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            }
        }
    },
```

"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation":
" Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Subnet": {
"type": "string",
"traits": {
"smithy.api#pattern": "subnet-[a-z0-9]{8,17}"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Subnets": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
"type": "structure",
"members": {
"message": {

"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request was denied because of request throttling. Retry the request. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates additional product configuration settings for the registered identity\n provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/UpdateIdentityProviderSettings"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"UpdateSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",

"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related configuration settings. You can\n update any combination of settings in a single operation such as the: \n \n \n Subnets which you want to add to provision VPC endpoints. \n \n \n Subnets which you want to remove the VPC endpoints from. \n \n \n Security group ID which permits traffic to the VPC endpoints. \n \n ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
"type": "structure",
"members": {
"AddSubnets": {

"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets in which License Manager will create a VPC endpoint for products that\n require connectivity to activation servers. ",
"smithy.api#required": {}
}
},
"RemoveSubnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets to remove. ",
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688 communication between resources in\n your VPC and the VPC endpoints for activation servers. "
}

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            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Updates the registered identity providers product related configuration
settings such as\n      the subnets to provision VPC endpoints.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A parameter is not valid.</p>",
            "smithy.api#error": "client"
        }
    }
  }
}
{
  "smithy": "2.0",
  "metadata": {
    "suppressions": [
        {
            "id": "HttpMethodSemantics",
            "namespace": "*"
        },
        {
            "id": "HttpResponseCodeSemantics",
            "namespace": "*"
        },
        {
            "id": "PaginatedTrait",
            "namespace": "*"
        },
        {
            "id": "HttpHeaderTrait",
            "namespace": "*"
        },
        {
            "id": "HttpUriConflict",
            "namespace": "*"
        },
        {
            "id": "Service",
            "namespace": "*"
```

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        }
    ]
},
"shapes": {
    "com.amazonaws.licensemanager#AWSLicenseManager": {
        "type": "service",
        "version": "2018-08-01",
        "operations": [
            {
                "target": "com.amazonaws.licensemanager#AcceptGrant"
            },

 {
                "target": "com.amazonaws.licensemanager#CheckInLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CheckoutLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateGrant"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateGrantVersion"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
             },
            {
                "target": "com.amazonaws.licensemanager#CreateLicenseVersion"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateToken"
            },
            {
                "target": "com.amazonaws.licensemanager#DeleteGrant"
            },
```

```
    {
      "target": "com.amazonaws.licensemanager#DeleteLicense"
    },
    {
      "target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
    },
    {
      "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
    },
    {
      "target": "com.amazonaws.licensemanager#DeleteToken"
    },
    {
      "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

  },
    {
      "target": "com.amazonaws.licensemanager#GetAccessToken"
    },
    {
      "target": "com.amazonaws.licensemanager#GetGrant"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicense"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicenseUsage"
    },
    {
      "target": "com.amazonaws.licensemanager#GetServiceSettings"
    },
    {
      "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
     },
    {
      "target": "com.amazonaws.licensemanager#ListDistributedGrants"
    },
    {
      "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
```

```
},
{
   "target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
},
{
   "target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
},
{
   "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
},
{
   "target": "com.amazonaws.licensemanager#ListLicenses"
},
{
   "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
},
{

  "target": "com.amazonaws.licensemanager#ListLicenseVersions"
},
{
   "target": "com.amazonaws.licensemanager#ListReceivedGrants"
},
{
   "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
},
{
   "target": "com.amazonaws.licensemanager#ListReceivedLicenses"
},
{
   "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
},
{
   "target": "com.amazonaws.licensemanager#ListResourceInventory"
},
{
   "target": "com.amazonaws.licensemanager#ListTagsForResource"
},
{
   "target": "com.amazonaws.licensemanager#ListTokens"
},
{
   "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
 },
{
   "target": "com.amazonaws.licensemanager#RejectGrant"
},
{
```

"target": "com.amazonaws.licensemanager#TagResource"
},
{
"target": "com.amazonaws.licensemanager#UntagResource"
},
{
"target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
},
{
"target": "com.amazonaws.licensemanager#UpdateServiceSettings"
}
],
"traits": {
"aws.api#service": {
"sdkId": "License Manager",
"arnNamespace": "license-manager",
"cloudFormationName": "LicenseManager",
"cloudTrailEventSource": "licensemanager.amazonaws.com",
"endpointPrefix": "license-manager"
},
"aws.auth#sigv4": {
"name": "license-manager"
},
"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
},
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,

"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
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"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
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"argv": [
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"ref": "Endpoint"
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"argv": [
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},
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            "type": "error"
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                "headers": {}
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            "type": "endpoint"
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                    "argv": [
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                        "ref": "UseDualStack"
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                            "fn": "getAttr",
                            "argv": [
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                                "ref": "PartitionResult"
                              },
                              "supportsFIPS"
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"supportsDualStack"
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fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                        "properties": {},
                        "headers": {}

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                    "type": "endpoint"
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both",
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"headers": {}
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"type": "error"
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"argv": [
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{
"fn": "getAttr",
"argv": [
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"ref": "PartitionResult"
},

"supportsDualStack"

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"rules": [
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manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
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"headers": {}

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                "type": "error"
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            "headers": {}
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        "type": "endpoint"
    }
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"error": "Invalid Configuration: Missing Region",
"type": "error"
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}
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"params": {
"Region": "af-south-1",
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"UseDualStack": false
}
},
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  "params": {
    "Region": "ap-east-1",
    "UseFIPS": false,
    "UseDualStack": false
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  "expect": {
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    }
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  "params": {
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    "UseDualStack": false
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    }
  },
  "params": {
    "Region": "ap-northeast-2",
    "UseFIPS": false,
    "UseDualStack": false
  }
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  "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
  "expect": {
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      "url": "https://license-manager.ap-northeast-3.amazonaws.com"
    }
  },
  "params": {
    "Region": "ap-northeast-3",
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"UseFIPS": false,
"UseDualStack": false
}

},
{
"documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager.ap-south-1.amazonaws.com"
}
},
"params": {
"Region": "ap-south-1",
"UseFIPS": false,
"UseDualStack": false
}
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"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-1.amazonaws.com"

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"params": {
"Region": "ap-southeast-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-2.amazonaws.com"
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"params": {
"Region": "ap-southeast-2",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-3.amazonaws.com"
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},
"params": {
"Region": "ap-southeast-3",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager.ca-central-1.amazonaws.com"
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"params": {
"Region": "ca-central-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
"expect": {
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"UseFIPS": false,
"UseDualStack": false
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disabled and DualStack disabled",
"expect": {
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"params": {

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"UseDualStack": false
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"UseDualStack": false
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"url": "https://license-manager.eu-west-1.amazonaws.com"
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"params": {
"Region": "eu-west-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
"expect": {

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"params": {
"Region": "eu-west-2",
"UseFIPS": false,
"UseDualStack": false
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{
"documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",

"expect": {
"endpoint": {
"url": "https://license-manager.eu-west-3.amazonaws.com"
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"params": {
"Region": "eu-west-3",
"UseFIPS": false,

"UseDualStack": false
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"documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.me-south-1.amazonaws.com"
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"params": {
"Region": "me-south-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager.sa-east-1.amazonaws.com"
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"params": {
"Region": "sa-east-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-east-1.amazonaws.com"
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"params": {
"Region": "us-east-1",
"UseFIPS": false,

"UseDualStack": false
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{
"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-fips.us-east-1.amazonaws.com"
}
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"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
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{
"documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-east-2.amazonaws.com"
}

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"params": {
"Region": "us-east-2",
"UseFIPS": false,
"UseDualStack": false
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"params": {
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"UseDualStack": false
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us-west-1 with FIPS disabled and DualStack disabled",
"expect": {

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"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
"expect": {
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"UseDualStack": false
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"UseDualStack": false
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"params": {
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"UseFIPS": true,

"UseDualStack": false
}
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"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,

"UseDualStack": true
}
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"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-east-1.api.aws"
}
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
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"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
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"endpoint": {
"url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {

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                "url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
            }
        },
        "params": {
            "Region": "cn-northwest-1",
            "UseFIPS": false,
            "UseDualStack": false

}
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        "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
        "expect": {
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                "url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
            }
        },
        "params": {
            "Region": "cn-north-1",
            "UseFIPS": true,
            "UseDualStack": true
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        "expect": {
            "endpoint": {
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        "params": {
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            "UseFIPS": true,
            "UseDualStack": false
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            }
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            "Region": "cn-north-1",
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            "UseDualStack": true
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        "params": {
          "Region": "us-gov-east-1",
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          "UseDualStack": false
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            "url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
          }
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        "params": {
          "Region": "us-gov-east-1",
          "UseFIPS": true,
          "UseDualStack": false
        }
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        "documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
        "expect": {
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            "url": "https://license-manager.us-gov-west-1.amazonaws.com"
          }
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        "params": {
          "Region": "us-gov-west-1",
          "UseFIPS": false,
          "UseDualStack": false
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"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
          }
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              }
            },

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            "params": {
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              "UseFIPS": false,
              "UseDualStack": true
            }
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            "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
              }
            },
            "params": {
              "Region": "us-iso-east-1",
              "UseFIPS": false,
              "UseDualStack": false
            }
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"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled
but this partition does not support DualStack"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
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"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}

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      },

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      "expect": {
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      "params": {
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        "UseFIPS": true,
        "UseDualStack": true
      }
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      "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
      "expect": {
        "endpoint": {
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        }
      },

  "params": {
        "Region": "us-isob-east-1",
        "UseFIPS": true,
        "UseDualStack": false
      }
    },
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      "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
      "expect": {
        "error": "DualStack is enabled but this partition does not support DualStack"
      },
      "params": {
        "Region": "us-isob-east-1",
        "UseFIPS": false,
        "UseDualStack": true
      }
    },
    {
      "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
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        }
      },
      "params": {
        "Region": "us-east-1",
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"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
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{
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"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,

"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
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"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
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{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
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"documentation": "Missing region",
"expect": {

"error": "Invalid Configuration: Missing Region"
}
}
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"version": "1.0"
}
}
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"com.amazonaws.licensemanager#AcceptGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
"output": {
"target": "com.amazonaws.licensemanager#AcceptGrantResponse"
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"errors": [
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"target": "com.amazonaws.licensemanager#AccessDeniedException"
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"target": "com.amazonaws.licensemanager#AuthorizationException"
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"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
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"target": "com.amazonaws.licensemanager#RateLimitExceededException"
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"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"

}
],
"traits": {
"smithy.api#documentation": " Accepts the specified grant. "
}
},
"com.amazonaws.licensemanager#AcceptGrantRequest": {
"type": "structure",
"members": {

```
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant
ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#AccessDeniedException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
```

"code": "ServiceAccessDenied",
"httpResponseCode": 401
},
"smithy.api#documentation": " Access to resource denied. ",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
"type": "enum",
"members": {
"DISTRIBUTED_GRANTS_ONLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
}
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperation": {

"type": "enum",
"members": {
"CREATE_GRANT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateGrant"
}
},
"CHECKOUT_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutLicense"
}
},
"CHECKOUT_BORROW_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutBorrowLicense"
}
},

"CHECK_IN_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckInLicense"
}
},
"EXTEND_CONSUMPTION_LICENSE":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ExtendConsumptionLicense"
}
},
"LIST_PURCHASED_LICENSES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ListPurchasedLicenses"
}
},
"CREATE_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateToken"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperationList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#AllowedOperation"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max":
7
}
}
},
"com.amazonaws.licensemanager#Arn": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 2048
},
"smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-

z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
        }
    },
    "com.amazonaws.licensemanager#ArnList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Arn"
        }
    },
    "com.amazonaws.licensemanager#AuthorizationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError":
 {
                "code": "AuthorizationFailure",
                "httpResponseCode": 403
            },
            "smithy.api#documentation": " The Amazon Web Services user account does not have permission to
perform the action. Check the IAM\n policy associated with this account. ",
            "smithy.api#error": "client",
            "smithy.api#httpError": 403
        }
    },
    "com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
        "type": "structure",
        "members": {
            "LastRunTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": " Time that automated discovery last ran. "
                }
            }
        },
        "traits": {
            "smithy.api#documentation": " Describes automated discovery. "
        }
    },

  "com.amazonaws.licensemanager#Boolean": {
        "type": "boolean",
        "traits": {
            "smithy.api#default": false
        }

```
    },
    "com.amazonaws.licensemanager#BorrowConfiguration": {
      "type": "structure",
      "members": {
        "AllowEarlyCheckIn": {
          "target": "com.amazonaws.licensemanager#BoxBoolean",
          "traits": {
            "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
            "smithy.api#required": {}
          }
        },
        "MaxTimeToLiveInMinutes": {
          "target": "com.amazonaws.licensemanager#BoxInteger",
          "traits": {
            "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
            "smithy.api#required": {}
          }
        }

},
      "traits": {
        "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
      }
    },
    "com.amazonaws.licensemanager#BoxBoolean": {
      "type": "boolean"
    },
    "com.amazonaws.licensemanager#BoxInteger": {
      "type": "integer"
    },
    "com.amazonaws.licensemanager#BoxLong": {
      "type": "long"
    },
    "com.amazonaws.licensemanager#CheckInLicense": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
```

```
        },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseRequest":
 {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseResponse": {
```

"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{
"target":
"com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license for offline use. "
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
"type": "structure",
"members":
{
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The license must use the borrow consumption configuration. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. Partial checkouts are not supported. ",
"smithy.api#required": {}
}
},
"DigitalSignatureMethod": {
"target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
"traits": {
"smithy.api#documentation": " Digital signature method. The possible value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see RFC 7518 Digital Signature with RSASSA-PSS. ",
"smithy.api#required": {}
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "
}
},
"ClientToken": {

"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation":
" Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},
"EntitlementsAllowed":
{
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " Allowed license entitlements. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",

```
            "traits": {
                "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
            }
        },
        "Expiration": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
            }
        },
        "CheckoutMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
                "smithy.api#documentation": "<p>Information about constraints.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CheckoutLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
     },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target":
 "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license.</p>\n        <note>\n            <p>If the
account that created the license is the same that is performing the check out, you must\n            specify the account
as the beneficiary.</p>\n        </note>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicenseRequest": {
        "type": "structure",
        "members": {
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product
 SKU.</p>",
                    "smithy.api#required": {}
                }
            },
            "CheckoutType": {
                "target": "com.amazonaws.licensemanager#CheckoutType",
                "traits": {
                    "smithy.api#documentation": "<p>Checkout type.</p>",
                    "smithy.api#required": {}
                }
            },
            "KeyFingerprint": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Key fingerprint identifying the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
```

"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
"type": "structure",
"members": {
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. "
}
},
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},
"EntitlementsAllowed": {

"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " Allowed license entitlements. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and
time at which the license checkout expires. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the checkout license. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutType": {
"type": "enum",
"members": {
"PROVISIONAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PROVISIONAL"

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            }
        },
        "PERPETUAL": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PERPETUAL"
            }
        }
    }
},
"com.amazonaws.licensemanager#ClientRequestToken": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 36
        }
    }
},
"com.amazonaws.licensemanager#ClientToken": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 2048
        },
        "smithy.api#pattern": "^\\S+$"
    }
},
"com.amazonaws.licensemanager#ConflictException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "ConflictException",
            "httpResponseCode":
409
        },
        "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 409
    }
},
```

```
    "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
      "type": "structure",
      "members": {
        "ResourceType": {
          "target": "com.amazonaws.licensemanager#ResourceType",
          "traits": {
            "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
          }
        },
        "ConsumedLicenses": {
          "target": "com.amazonaws.licensemanager#BoxLong",
          "traits": {
            "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
          }
        }
      },

"traits": {
        "smithy.api#documentation": "<p>Details about license consumption.</p>"
      }
    },
    "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
      }
    },
    "com.amazonaws.licensemanager#ConsumptionConfiguration": {
      "type": "structure",
      "members": {
        "RenewType": {
          "target": "com.amazonaws.licensemanager#RenewType",
          "traits": {
            "smithy.api#documentation": "<p>Renewal frequency.</p>"
          }
        },
        "ProvisionalConfiguration": {
          "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
          "traits": {
            "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
           }
        },
        "BorrowConfiguration": {
          "target": "com.amazonaws.licensemanager#BorrowConfiguration",
          "traits": {
            "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
          }
        }
```

```
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target":
 "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of
license\n        entitlements with a specific Amazon Web Services account, an organization, or an\n
organizational unit (OU). For more
 information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantRequest": {
        "type": "structure",
        "members": {
```

"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}

}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Principals": {
"target": "com.amazonaws.licensemanager#PrincipalArnList",
"traits": {
"smithy.api#documentation": " The grant principals. You can specify one of the following as an Amazon Resource Name\n (ARN): \n \n \n An Amazon Web Services account, which includes only the account specified. \n \n \n \n \n An organizational unit (OU), which includes all accounts in the OU. \n \n \n \n
\n An organization, which will include all accounts across your organization. \n \n ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations for the grant. ",
"smithy.api#required": {}

```
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },

      "com.amazonaws.licensemanager#CreateGrantResponse": {
        "type": "structure",
        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
              "smithy.api#documentation": "<p>Grant status.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Grant version.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#CreateGrantVersion":
{
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a new version of the specified grant. For more information, see\n Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#CreateGrantVersionRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",

"smithy.api#required": {}
}
},
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. "
}

```
        },
        "AllowedOperations": {
            "target": "com.amazonaws.licensemanager#AllowedOperationList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "StatusReason": {
            "target": "com.amazonaws.licensemanager#StatusReasonMessage",
            "traits": {
                "smithy.api#documentation": "<p>Grant status reason.</p>"
            }
        },
        "SourceVersion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Current version of the grant.</p>"
            }
        },
        "Options": {
            "target": "com.amazonaws.licensemanager#Options",
            "traits": {
                "smithy.api#documentation": "<p>The options specified for the grant.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersionResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
```

```
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>New version of the grant.</p>"
            }
        }
    },
    "traits":
{
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
         },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Creates a license.</p>"
```

```
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager. Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a \n        license must be associated with a host), and the number of licenses purchased and used.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>",
                    "smithy.api#required": {}
                }
```

```
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the license configuration.</p>"
                }
            },
            "LicenseCountingType": {
                "target": "com.amazonaws.licensemanager#LicenseCountingType",
                 "traits": {
                    "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
                }
            },
            "LicenseCountHardLimit": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether hard or soft license enforcement is used.
Exceeding a hard limit\n        blocks the launch of new instances.</p>"
                }
            },
            "LicenseRules": {
                "target":
 "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>License rules. The syntax is #name=value (for example,
#allowedTenancy=EC2-DedicatedHost). The available rules \n        vary by dimension, as follows.</p>\n
<ul>\n            <li>\n              <p>\n                <code>Cores</code> dimension: <code>allowedTenancy</code> |\n
          <code>licenseAffinityToHost</code> |\n              <code>maximumCores</code> |
<code>minimumCores</code>\n              </p>\n            </li>\n            <li>\n              <p>\n
<code>Instances</code> dimension: <code>allowedTenancy</code> | \n              <code>maximumCores</code> |
<code>minimumCores</code> |\n              <code>maximumSockets</code> | <code>minimumSockets</code> |\n
          <code>maximumVcpus</code> | <code>minimumVcpus</code>\n              </p>\n            </li>\n
<li>\n
  <p>\n                <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n
<code>licenseAffinityToHost</code> |\n              <code>maximumSockets</code> |
<code>minimumSockets</code>\n              </p>\n            </li>\n            <li>\n              <p>\n
<code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n
<code>honorVcpuOptimization</code> | \n              <code>maximumVcpus</code> |
<code>minimumVcpus</code>\n              </p>\n            </li>\n        </ul>\n        <p>The unit for
<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n        values for
<code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n
```

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<code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n
<code>True</code> and <code>False</code>.</p>"
                }
            },

  "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
                }
            },
            "DisassociateWhenNotFound": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
                }
            },
            "ProductInformationList": {
                "target": "com.amazonaws.licensemanager#ProductInformationList",
                "traits": {
                    "smithy.api#documentation": "<p>Product information.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
 {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
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```
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
             },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {

                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting
the license type for.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information that identifies the license type you are converting
from. \n\n        For the structure of the source license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
                    "smithy.api#required": {}
```

```
            }
          },
          "DestinationLicenseContext":
{
            "target": "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
              "smithy.api#documentation": "<p>Information that identifies the license type you are converting to.
For the structure of the destination license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
        "type": "structure",
        "members": {
          "LicenseConversionTaskId": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

        "traits": {
              "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
```

{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a report generator. "
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"ReportGeneratorName":
{
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports to generate. The following report types an be generated: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}

}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",

"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the new report generator. "

```
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product
name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product SKU.</p>",
                    "smithy.api#required": {}
                }
            },
            "Issuer": {
                "target": "com.amazonaws.licensemanager#Issuer",
                "traits": {
                    "smithy.api#documentation": "<p>License issuer.</p>",
                    "smithy.api#required": {}
                }
            },
            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region for the license.</p>",
                    "smithy.api#required": {}

  }
            },
            "Validity": {
```

"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

```
},
"com.amazonaws.licensemanager#CreateLicenseResponse": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        },
        "Version": {
             "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#ConflictException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
```

```
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target":
"com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Issuer": {
                "target": "com.amazonaws.licensemanager#Issuer",
                "traits":
{
                    "smithy.api#documentation": "<p>License issuer.</p>",
                    "smithy.api#required": {}
```

```
            }
        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Home Region of the license.</p>",
                "smithy.api#required": {}
            }
        },
        "Validity": {
            "target": "com.amazonaws.licensemanager#DatetimeRange",
            "traits": {
                "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
                "smithy.api#required": {}
            }
        },
        "LicenseMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
                 "smithy.api#documentation": "<p>Information about the license.</p>"
            }
        },
        "Entitlements": {
            "target": "com.amazonaws.licensemanager#EntitlementList",
            "traits": {
                "smithy.api#documentation": "<p>License entitlements.</p>",
                "smithy.api#required": {}
            }
        },
        "ConsumptionConfiguration": {
            "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n        running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n        usage.</p>",
                "smithy.api#required": {}
            }
        },

  "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>",
                "smithy.api#required": {}
            }
        },
        "ClientToken": {
```

"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the license. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New version of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
}
},
"traits": {
"smithy.api#output":
{}
}
},
"com.amazonaws.licensemanager#CreateToken": {
"type": "operation",

"input": {
"target": "com.amazonaws.licensemanager#CreateTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a long-lived token. \n A refresh token is a JWT token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license. "
}
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits":
{
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token. ",

"smithy.api#required": {}
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n License Manager does not check whether the roles are in use. "
}
},
"ExpirationInDays": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Token expiration, in days, counted from token creation. The default is 365 days. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Idempotency token, valid for 10 minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateTokenResponse": {
"type": "structure",
"members": {
"TokenId": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Token ID. "
}
},
"TokenType": {
"target": "com.amazonaws.licensemanager#TokenType",

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            "traits": {
                "smithy.api#documentation": "<p>Token type.</p>"
            }
        },
        "Token": {
            "target": "com.amazonaws.licensemanager#TokenString",
            "traits": {
                "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
        "Begin": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Start of the time range.</p>",
                "smithy.api#required": {}
            }
        },
        "End": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>End of the time range.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
},
"com.amazonaws.licensemanager#DeleteGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
    },
    "errors": [
```

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "StatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the
```

grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation":
" Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

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            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
        },

    "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n        <p>You cannot delete a license configuration that is in use.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
```

{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified report generator. \n This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator to be deleted. ",
"smithy.api#required": {}
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}

```
    },
    "com.amazonaws.licensemanager#DeleteLicenseRequest": {
      "type": "structure",
      "members": {
        "LicenseArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
            "smithy.api#required": {}
          }
        },
        "SourceVersion": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Current version of the license.</p>",
            "smithy.api#required":
{}
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#DeleteLicenseResponse": {
      "type": "structure",
      "members": {
        "Status": {
          "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
          "traits": {
            "smithy.api#documentation": "<p>License status.</p>"
          }
        },
        "DeletionDate": {
          "target": "com.amazonaws.licensemanager#ISO8601DateTime",
          "traits": {
            "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#DeleteToken": {
      "type": "operation",
       "input": {
        "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
```

```
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },

    {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenRequest": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
```

"com.amazonaws.licensemanager#DeleteTokenResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}

}
},
"com.amazonaws.licensemanager#DigitalSignatureMethod": {
"type": "enum",
"members": {
"JWT_PS384": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "JWT_PS384"
}
}
}
},
"com.amazonaws.licensemanager#Entitlement": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement resource. Use only
if the unit is None. "
}
},
"MaxCount": {
"target": "com.amazonaws.licensemanager#Long",
"traits": {
"smithy.api#documentation": " Maximum entitlement count. Use if the unit is not None. "
}
},
"Overage": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether overages are allowed. "
}
},

```
            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement unit.</p>",
                    "smithy.api#required": {}
                }
            },
            "AllowCheckIn": {
                "target":
"com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether check-ins are allowed.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes a resource entitled for use with a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementData": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement data name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement
data value.</p>"
                }
            },
            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement data unit.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
        }
    },
```

"com.amazonaws.licensemanager#EntitlementDataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#EntitlementData"
}
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"

}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},

"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},
"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Entitlement"
}
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {

"smithy.api#documentation": " The entitlement is not allowed. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#EntitlementUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "Terabits"
}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target":
"smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},

```
        "KILOBITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobits/Second"
            }
        },
        "MEGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Megabits/Second"
            }
        },
        "GIGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Gigabits/Second"
            }
        },

    "TERABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabits/Second"
            }
        },
        "COUNT_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count/Second"
            }
        }
    }
},
"com.amazonaws.licensemanager#EntitlementUsage": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage name.</p>",
                "smithy.api#required": {}
            }
        },
        "ConsumedValue": {
            "target": "com.amazonaws.licensemanager#String",

        "traits": {
                "smithy.api#documentation": "<p>Resource usage consumed.</p>",
```

```
                "smithy.api#required": {}
            }
        },
        "MaxCount": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
            }
        },
        "Unit": {
            "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
    }
},
"com.amazonaws.licensemanager#EntitlementUsageList":
{
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#EntitlementUsage"
    }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumption": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}

      }
            },
            "DryRun": {
                "target": "com.amazonaws.licensemanager#Boolean",
                "traits": {
                    "smithy.api#default": false,
                    "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action,
without actually making the request. Provides an error response if you do not have the required permissions.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },
```

"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license consumption expires. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#FailedDependencyException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
},
"ErrorCode": {
"target": "com.amazonaws.licensemanager#String"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FailedDependency",
"httpResponseCode": 424
},
"smithy.api#documentation":
" A dependency required to run the API is missing. ",
"smithy.api#error": "client",
"smithy.api#httpError": 424
}
},
"com.amazonaws.licensemanager#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#FilterName",
"traits": {
"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only
specify one value for the filter. "
}

```
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A filter
 name and value pair that is used to return more specific results from a\n          describe operation. Filters can be used
to match a set of resources by specific criteria,\n          such as tags, attributes, or IDs.</p>"
        }
    },
    "com.amazonaws.licensemanager#FilterLimitExceededException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "FilterLimitExceeded",
                "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#FilterList": {
        "type": "list",
         "member": {
            "target": "com.amazonaws.licensemanager#Filter"
        }
    },
    "com.amazonaws.licensemanager#FilterName": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#FilterValue": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#FilterValues": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#FilterValue",
            "traits": {
                "smithy.api#xmlName": "item"
            }
        }
    },
    "com.amazonaws.licensemanager#Filters": {
        "type": "list",
```

"member": {
"target": "com.amazonaws.licensemanager#Filter",
"traits": {
"smithy.api#xmlName": "item"
}
}
},
"com.amazonaws.licensemanager#GetAccessToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
tokens\n are valid for one hour. "
}
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
"type": "structure",
"members": {
"Token": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Refresh token, encoded as a JWT token. ",
"smithy.api#required": {}
}
},

"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Token properties to validate against those present in the JWT token. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetAccessTokenResponse": {
"type": "structure",
"members": {
"AccessToken": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Temporary access token. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"

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        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
    "type": "structure",
    "members": {
        "Grant": {
            "target": "com.amazonaws.licensemanager#Grant",
            "traits": {
                "smithy.api#documentation": "<p>Grant details.</p>"
            }
        }
    },
    "traits": {
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"smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"

},
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": " Gets detailed information about the specified license. "
    }
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },

```
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
             },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the specified license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits":
 {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurationId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
                }
            },
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
```

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    }
},
"Name": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Name of the license configuration.</p>"
     }
},
"Description": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Description of the license configuration.</p>"
    }
},
"LicenseCountingType": {
    "target": "com.amazonaws.licensemanager#LicenseCountingType",
    "traits": {
        "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
    }
},
"LicenseRules": {
    "target": "com.amazonaws.licensemanager#StringList",
    "traits": {
        "smithy.api#documentation": "<p>License rules.</p>"
    }
},
"LicenseCount": {
    "target": "com.amazonaws.licensemanager#BoxLong",

   "traits": {
        "smithy.api#documentation": "<p>Number of available licenses.</p>"
    }
},
"LicenseCountHardLimit": {
    "target": "com.amazonaws.licensemanager#BoxBoolean",
    "traits": {
        "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
    }
},
"ConsumedLicenses": {
    "target": "com.amazonaws.licensemanager#BoxLong",
    "traits": {
        "smithy.api#documentation": "<p>Number of licenses assigned to resources.</p>"
    }
},
"Status": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
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"smithy.api#documentation": " License configuration status. "
}

},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner of the license configuration. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When
true, disassociates a resource when software is uninstalled. "
}
}
},

"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified license type conversion task. "
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}

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        }
      },
      "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
        "type": "structure",
        "members": {
          "LicenseConversionTaskId": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
            "traits": {
              "smithy.api#documentation": "<p>ID of the license type conversion task.</p>"
            }
          },
          "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the resources the license
conversion task is associated with.</p>"
            }
          },
          "SourceLicenseContext": {
            "target": "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
              "smithy.api#documentation": "<p>Information
 about the license type converted from.</p>"
            }
          },
          "DestinationLicenseContext": {
            "target": "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
              "smithy.api#documentation": "<p>Information about the license type converted to.</p>"
            }
          },
          "StatusMessage": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
            "traits": {
              "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
            }
          },

  "StartTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
```

```
            }
          },
          "LicenseConversionTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
            }
          },
          "EndTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Time at which the license type conversion task was
completed.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
 {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

         },
          {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
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            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
                    "smithy.api#required":
{}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {
            "ReportGenerator": {
                "target": "com.amazonaws.licensemanager#ReportGenerator",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
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"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseResponse": {
"type": "structure",
"members": {
"License": {
"target": "com.amazonaws.licensemanager#License",
"traits": {
"smithy.api#documentation": " License details. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},

"com.amazonaws.licensemanager#GetLicenseUsage": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{

"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the usage of the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseUsageRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseUsageResponse": {
"type": "structure",
"members": {
"LicenseUsage": {
"target":
"com.amazonaws.licensemanager#LicenseUsage",
"traits": {
"smithy.api#documentation": " License usage details. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetServiceSettings": {

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets the License Manager settings for the current Region. "
}
},
"com.amazonaws.licensemanager#GetServiceSettingsRequest": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Regional S3 bucket path for storing reports, license trail event data, discovery data,\n and so on. "

}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " SNS topic configured to receive notifications from License Manager. "

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            }
        },
        "OrganizationConfiguration": {
            "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Indicates whether Organizations is integrated with License
Manager for\n        cross-account discovery.</p>"
            }
        },
        "EnableCrossAccountsDiscovery": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
                "smithy.api#documentation": "<p>Indicates whether cross-account discovery is enabled.</p>"
            }

      },
        "LicenseManagerResourceShareArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource share. The License
Manager management account \n        provides member accounts with access to this share.</p>"
            }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#Grant": {
      "type": "structure",
      "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "GrantName": {

  "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant name.</p>",
                "smithy.api#required": {}
            }
        },
        "ParentArn": {
            "target": "com.amazonaws.licensemanager#Arn",
```

"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",
"smithy.api#required": {}
}
},
"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. ",
"smithy.api#required": {}
}
},
"GrantedOperations": {

```
            "target": "com.amazonaws.licensemanager#AllowedOperationList",
            "traits": {
                "smithy.api#documentation": "<p>Granted operations.</p>",
                "smithy.api#required": {}
            }
        },
        "Options": {
            "target": "com.amazonaws.licensemanager#Options",
            "traits": {
                "smithy.api#documentation": "<p>The options specified for the grant.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation":
"<p>Describes a grant.</p>"
    }
},
"com.amazonaws.licensemanager#GrantList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Grant"
    }
},
"com.amazonaws.licensemanager#GrantStatus": {
    "type": "enum",
    "members": {
        "PENDING_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_WORKFLOW"
            }
        },
        "PENDING_ACCEPT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_ACCEPT"
            }
        },
        "REJECTED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "REJECTED"

        }
        },
        "ACTIVE": {
            "target": "smithy.api#Unit",
```

```
            "traits": {
                "smithy.api#enumValue": "ACTIVE"
            }
        },
        "FAILED_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED_WORKFLOW"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        },
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DISABLED": {
            "target": "smithy.api#Unit",
            "traits":
{
                "smithy.api#enumValue": "DISABLED"
            }
        },
        "WORKFLOW_COMPLETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "WORKFLOW_COMPLETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#GrantedLicense": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
        },
        "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " License name. "
}

},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " Granted license issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the granted license. "

}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " Granted license status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the granted license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Granted license beneficiary. "
}

```
        },
        "Entitlements": {
          "target": "com.amazonaws.licensemanager#EntitlementList",
           "traits": {
            "smithy.api#documentation": "<p>License entitlements.</p>"
          }
        },
        "ConsumptionConfiguration": {
          "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
          "traits": {
            "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
          }
        },
        "LicenseMetadata": {
          "target": "com.amazonaws.licensemanager#MetadataList",
          "traits": {
            "smithy.api#documentation": "<p>Granted license metadata.</p>"
          }
        },
        "CreateTime": {
          "target": "com.amazonaws.licensemanager#ISO8601DateTime",
          "traits": {
            "smithy.api#documentation": "<p>Creation time of the granted license.</p>"

}
        },
        "Version": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Version of the granted license.</p>"
          }
        },
        "ReceivedMetadata": {
          "target": "com.amazonaws.licensemanager#ReceivedMetadata",
          "traits": {
            "smithy.api#documentation": "<p>Granted license received metadata.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
      }
    },
    "com.amazonaws.licensemanager#GrantedLicenseList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanager#GrantedLicense"
      }
```

```
    },
    "com.amazonaws.licensemanager#ISO8601DateTime":
{
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-
1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$"
        }
    },
    "com.amazonaws.licensemanager#Integer": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#InvalidParameterValueException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidParameterValueProvided",
                "httpResponseCode": 400
            },
            "smithy.api#documentation":
"<p>One or more parameter values are not valid.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#InvalidResourceStateException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidResourceState",
                "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n        <p>For example, you cannot allocate a license to an instance in the process of shutting\n
```

```
down.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },

    "com.amazonaws.licensemanager#InventoryFilter": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the filter.</p>",
                    "smithy.api#required": {}
                }
            },
            "Condition": {
                "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
                "traits": {
                    "smithy.api#documentation": "<p>Condition of the filter.</p>",
                    "smithy.api#required": {}
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Value of the filter.</p>"
                }
            }

    },
        "traits": {
            "smithy.api#documentation": "<p>An inventory filter.</p>"
        }
    },
    "com.amazonaws.licensemanager#InventoryFilterCondition": {
        "type": "enum",
        "members": {
            "EQUALS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "EQUALS"
                }
            },
            "NOT_EQUALS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "NOT_EQUALS"
```

```
                }
            },
            "BEGINS_WITH": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "BEGINS_WITH"
                }
            },
            "CONTAINS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CONTAINS"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#InventoryFilterList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#InventoryFilter"
        }
    },
    "com.amazonaws.licensemanager#Issuer": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer name.</p>",
                    "smithy.api#required": {}
                }
            },
            "SignKey": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key usage
 of sign and verify, \n        and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about the issuer of a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#IssuerDetails": {
        "type": "structure",
        "members": {
```

"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. "
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer key fingerprint. "
}
}
},
"traits": {
"smithy.api#documentation": " Details associated with the issuer of a license. "
}
},
"com.amazonaws.licensemanager#License": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " License name. "
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " License issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Home Region of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "

```
            }
        },
        "LicenseMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
                "smithy.api#documentation": "<p>License metadata.</p>"
            }
        },
        "CreateTime": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>License
creation time.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
    "type": "structure",
    "members": {
        "LicenseConfigurationId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
            }
        },
        "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
        },
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Name of the license configuration.</p>"
            }
        },
        "Description": {
```

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension to use to track the license inventory. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Number of available licenses as a hard limit. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the license configuration. "
}
},

"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the license configuration's owner. "

}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for licenses consumed by various resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for managed resources. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {

"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
}
},
"traits": {
"smithy.api#documentation": " A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
"type": "structure",
"members": {
"ResourceArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of server resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Time when the license configuration was associated with the resource. "
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an association with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
}
},
"com.amazonaws.licensemanager#LicenseConfigurationStatus": {
"type": "enum",
"members":
{
"AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "AVAILABLE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISABLED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsage": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits":
{
"smithy.api#documentation": " Type of resource. "
}
},
"ResourceStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the usage of a resource associated with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
}
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfiguration"
}
},
"com.amazonaws.licensemanager#LicenseConversionContext": {

"type": "structure",
"members": {
"UsageOperation": {
"target": "com.amazonaws.licensemanager#UsageOperation",
"traits": {
"smithy.api#documentation": " The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\n \n "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {

"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " The ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource associated with the license type\n conversion task. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted to. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " The status of the conversion task. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was started at. "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",

"traits": {
"smithy.api#documentation": " The time the usage operation value of the resource was changed. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was completed. "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
"type": "string",
"traits": {

"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
}
},
"com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
"type": "enum",
"members": {
"IN_PROGRESS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "IN_PROGRESS"
}
},
"SUCCEEDED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SUCCEEDED"
}
},
"FAILED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED"
}
}

```
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTasks":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTask"
        }
    },
    "com.amazonaws.licensemanager#LicenseCountingType": {
        "type": "enum",
        "members": {
            "VCPU": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "vCPU"
                }
            },
            "INSTANCE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Instance"
                }
            },
            "CORE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Core"
                }
            },
            "SOCKET": {
                "target": "smithy.api#Unit",
                 "traits": {
                    "smithy.api#enumValue": "Socket"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseDeletionStatus": {
        "type": "enum",
        "members": {
            "PENDING_DELETE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_DELETE"
                }
            },
            "DELETED": {
```

```
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#License"
    }
},
"com.amazonaws.licensemanager#LicenseOperationFailure": {

    "type": "structure",
    "members": {
        "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
            }
        },
        "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Resource type.</p>"
            }
        },
        "ErrorMessage": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Error message.</p>"
            }
        },
        "FailureTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {

"smithy.api#documentation": "<p>Failure time.</p>"
            }
        },
        "OperationName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Name of the operation.</p>"
            }
        },
```

"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource. "
}
},
"OperationRequestedBy": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The requester is \"License Manager Automated Discovery\". "
}
},
"MetadataList": {

"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Reserved. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the failure of a license operation. "
}
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailure"
}
},
"com.amazonaws.licensemanager#LicenseSpecification": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "

```
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Details for associating a license configuration with a resource.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#LicenseSpecification"
    }
},
"com.amazonaws.licensemanager#LicenseStatus": {
    "type": "enum",
    "members": {
        "AVAILABLE": {
            "target": "smithy.api#Unit",

        "traits": {
                "smithy.api#enumValue": "AVAILABLE"
            }
        },
        "PENDING_AVAILABLE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_AVAILABLE"
            }
        },
        "DEACTIVATED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DEACTIVATED"
            }
        },
        "SUSPENDED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SUSPENDED"
            }
        },
        "EXPIRED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EXPIRED"
            }
        },
```

"PENDING_DELETE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_DELETE"
}
},
"DELETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DELETED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseUsage": {
"type": "structure",
"members": {
"EntitlementUsages": {
"target": "com.amazonaws.licensemanager#EntitlementUsageList",
"traits": {
"smithy.api#documentation": " License entitlement usages. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the entitlement usage associated with a license. "

}
},
"com.amazonaws.licensemanager#LicenseUsageException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "LicenseUsageFailure",
"httpResponseCode": 412
},
"smithy.api#documentation": " You do not have enough licenses available to support a new resource launch. ",
"smithy.api#error": "client",
"smithy.api#httpError": 412
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the resource associations for the
specified license configuration. \n Resource associations need not consume licenses from a license
configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules). "
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {

"smithy.api#documentation": " Maximum number of results
to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationAssociations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license
configuration. "
}
},
"NextToken": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"

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            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
        "type": "structure",
        "members": {
            "GrantArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {

            "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseArn</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>GrantStatus</code>\n                </p>\n            </li>\n
    <li>\n                <p>\n                <code>GranteePrincipalARN</code>\n                </p>\n            </li>\n
<li>\n                <p>\n                <code>ProductSKU</code>\n                </p>\n            </li>\n            <li>\n
<p>\n                <code>LicenseIssuerName</code>\n
        </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
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            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
    "type": "structure",
    "members": {
        "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",

"traits": {
                "smithy.api#documentation": "<p>Distributed grant details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
    },
    "errors": [
        {
```

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license configuration operations that failed. "
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name of the license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":

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{
        "type": "structure",
        "members": {
           "LicenseOperationFailureList": {
              "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
              "traits": {
                 "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
              }
           },
           "NextToken": {
              "target": "com.amazonaws.licensemanager#String",
              "traits": {
                 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
              }
           }
        },
        "traits": {
           "smithy.api#output": {}
        }
     },
     "com.amazonaws.licensemanager#ListLicenseConfigurations": {
        "type": "operation",
        "input": {
           "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
        },

    "output": {
           "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
        },
        "errors": [
           {
              "target": "com.amazonaws.licensemanager#AccessDeniedException"
           },
           {
              "target": "com.amazonaws.licensemanager#AuthorizationException"
           },
           {
              "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
           },
           {
              "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
           },
           {
              "target": "com.amazonaws.licensemanager#RateLimitExceededException"
           },
           {
              "target": "com.amazonaws.licensemanager#ServerInternalException"
           }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configurations
 for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArns": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next
 set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n                Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n                Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n
<p>\n                <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n                Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>.</p>\n
    </li>\n            <li>\n                <p>\n                <code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
```

```
    }
},
"com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
    "type": "structure",
    "members": {
        "LicenseConfigurations": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurations",
            "traits": {
                "smithy.api#documentation": "<p>Information about the license configurations.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",

      "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
```

"traits": {
"smithy.api#documentation": " Lists the license type conversion tasks for your account. "
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
"type": "structure",
"members": {
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " \n Filters to scope the results. Valid filters are <code>ResourceArns</code> and <code>Status</code>.\n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
"type": "structure",
"members": {
"LicenseConversionTasks": {
"target": "com.amazonaws.licensemanager#LicenseConversionTasks",
"traits": {
"smithy.api#documentation": " Information about the license configuration tasks for your account. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}

```
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
        "type": "structure",
        "members": {
```

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported:
\n \n \n \n <code>LicenseConfigurationArn</code>\n
\n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits":
{
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
"type": "structure",
"members": {
"ReportGenerators": {
"target": "com.amazonaws.licensemanager#ReportGeneratorList",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license
configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}

}
},
"traits": {
"smithy.api#output": {}
}
},

"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Describes the license configurations for the specified resource. "
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a resource that has an associated license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {

```
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
    "type": "structure",
    "members": {
        "LicenseSpecifications": {
            "target": "com.amazonaws.licensemanager#LicenseSpecifications",
            "traits": {
                "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
            }
        },
        "NextToken": {
             "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
```

```
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                "smithy.api#required": {}
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
    "type": "structure",
    "members": {
        "Licenses": {
            "target": "com.amazonaws.licensemanager#LicenseList",
            "traits": {
                "smithy.api#documentation": "<p>License details.</p>"
            }
        },
```

```
"NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanager#ListLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
    }
  },
  "com.amazonaws.licensemanager#ListLicensesRequest": {
    "type": "structure",
    "members": {
        "LicenseArns": {
```

"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>Beneficiary</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>Status</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicensesResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#LicenseList",
"traits": {
"smithy.api#documentation": " License details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target":
"com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the received license. ",
"smithy.api#required": {}
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are
supported: \n

```
<ul>\n <li>\n <p>\n <code>ParentArn</code>\n </p>\n </li>\n
<li>\n <p>\n <code>GranteePrincipalArn</code>\n </p>\n </li>\n </ul>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
{
        "type": "structure",
        "members": {
          "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
            "traits": {
              "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
        "type": "structure",
        "members": {
          "GrantArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
```

"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranterAccountId</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",
"traits": {
"smithy.api#documentation": " Received grant details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}

```
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicenses": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
             },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists received licenses.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
```

```
            },
            "errors": [
                {
                    "target": "com.amazonaws.licensemanager#AccessDeniedException"
                },
                {
                    "target": "com.amazonaws.licensemanager#AuthorizationException"
                },
                {
                    "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
                },
                {
                    "target": "com.amazonaws.licensemanager#RateLimitExceededException"
                },
                {
                    "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
                },
                {

        "target": "com.amazonaws.licensemanager#ServerInternalException"
                },
                {
                    "target": "com.amazonaws.licensemanager#ValidationException"
                }
            ],
            "traits": {
                "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
            }
        },
        "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
            "type": "structure",
            "members": {
                "Filters": {
                    "target": "com.amazonaws.licensemanager#FilterList",
                    "traits": {
                        "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>Beneficiary</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n
                </p>\n            </li>\n        </ul>"
                    }
                },
                "NextToken": {
                    "target": "com.amazonaws.licensemanager#String",
                    "traits": {
                        "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                    }
                },
                "MaxResults": {
```

"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#GrantedLicenseList",
"traits": {
"smithy.api#documentation": " Lists the licenses the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>IssuerName</code>\n \n \n \n \n

```
<code>Beneficiary</code>\n            </p>\n          </li>\n        </ul>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
        "type": "structure",
        "members": {
          "Licenses": {
            "target": "com.amazonaws.licensemanager#GrantedLicenseList",
            "traits": {
                "smithy.api#documentation": "<p>Received license details.</p>"
            }
          },

         "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListResourceInventory": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
```

```
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#FailedDependencyException"
          },
          {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
        }
      },
      "com.amazonaws.licensemanager#ListResourceInventoryRequest": {
        "type": "structure",
        "members": {
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          },
          "Filters": {
            "target": "com.amazonaws.licensemanager#InventoryFilterList",
            "traits": {
              "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n <ul>\n <li>\n <p>\n <code>account_id</code>
```

- The ID of the Amazon Web Services account that owns the resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n
\n \n \n <code>application_name</code> - The name of the application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n
\n \n \n <code>license_included</code> - The type of license included. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
\n <code>platform</code> - The platform of the resource.\n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n \n \n \n
<code>resource_id</code> - The ID of the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n
<code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account). \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
"type": "structure",
"members": {
"ResourceInventoryList": {
"target": "com.amazonaws.licensemanager#ResourceInventoryList",
"traits": {
"smithy.api#documentation": " Information about the resources. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
},

```
        "output": {
            "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
             },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
```

```
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
        "errors":
[
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists your tokens.</p>"
        }
      },
      "com.amazonaws.licensemanager#ListTokensRequest": {
        "type": "structure",
        "members": {
          "TokenIds": {
            "target": "com.amazonaws.licensemanager#StringList",
            "traits": {

              "smithy.api#documentation": "<p>Token IDs.</p>"
            }
          },
          "Filters": {
```

"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filter is supported: \n
\n \n \n <code>LicenseArns</code>\n \n \n
"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation":
" Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListTokensResponse": {
"type": "structure",
"members": {
"Tokens": {
"target": "com.amazonaws.licensemanager#TokenList",
"traits": {
"smithy.api#documentation": " Received token details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
"type": "operation",

"input": {
"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists all license usage records for a license configuration, displaying license\n consumption details by resource at a selected point in time. Use this action to audit the\n current license consumption for any license inventory and configuration. "
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}

```
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>resourceArn</code> - The ARN of the license configuration resource.\n
            Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n
 <li>\n                <p>\n                <code>resourceType</code> - The resource type
(<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> |
<code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n                <p>\n
    <code>resourceAccount</code> - The ID of the account that owns the resource. \n                Logical operators
are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
        "type": "structure",
        "members": {

 "LicenseConfigurationUsageList": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
```

"com.amazonaws.licensemanager#Location": {
"type": "string"
},
"com.amazonaws.licensemanager#Long": {
"type": "long"
},
"com.amazonaws.licensemanager#ManagedResourceSummary": {
"type": "structure",
"members": {
"ResourceType":
{
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of resource associated with a license. "
}
},
"AssociationCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of resources associated with licenses. "
}
}
},
"traits": {
"smithy.api#documentation": " Summary information about a managed resource. "
}
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummary"
}
},
"com.amazonaws.licensemanager#MaxSize100": {

"type": "integer",
"traits": {
"smithy.api#range": {
"min": 1,
"max": 100
}
}
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#String"
},

"traits": {
"smithy.api#length": {
"min": 0,
"max": 3
}
}
},
"com.amazonaws.licensemanager#Message": {
"type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The key name. "
}
},

"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The value. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes key/value pairs. "
}
},
"com.amazonaws.licensemanager#MetadataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Metadata"
}
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",

"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n \n \n As a grantor, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your organization. \n \n \n As a grantee, if the grantor creating the distributed grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n are activating the grant. \n \n \n <dl>\n <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n Use this value to activate a grant without replacing any member accounts\n active grants for the same product. \n </dd>\n <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n Use this value to activate a grant and disable other active grants in any\n member accounts
for the same product. This action will also replace their\n previously activated grants with this activated grant. \n </dd>\n </dl>"
}
}
},
"traits": {
"smithy.api#documentation": " The options you can specify when you create a new version of a grant, such as activation\n override behavior. For more information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#OrganizationConfiguration": {
"type": "structure",
"members": {
"EnableIntegration": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,
"smithy.api#documentation":
" Enables Organizations integration. ",
"smithy.api#required": {}
}
}

```
        },
        "traits": {
            "smithy.api#documentation": "<p>Configuration information for Organizations.</p>"
        }
    },
    "com.amazonaws.licensemanager#PrincipalArnList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Arn"
        },
        "traits": {
            "smithy.api#length": {
                "min": 1,
                "max": 1
            }
        }
    },
    "com.amazonaws.licensemanager#ProductInformation": {
        "type": "structure",
        "members": {
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Resource type. The
 possible values are <code>SSM_MANAGED</code> | <code>RDS</code>.</p>",
                    "smithy.api#required": {}
                }
            },
            "ProductInformationFilterList": {
                "target": "com.amazonaws.licensemanager#ProductInformationFilterList",
                "traits": {
                    "smithy.api#documentation": "<p>A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a
<code>ProductInformationFilterValue</code> that specifies the value to filter on. </p>\n        <p>Accepted values
for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for
<code>ProductInformationFilterComparator</code>. </p>\n        <p>The following filters and are supported when
the resource type \n        is <code>SSM_MANAGED</code>:</p>\n
        <ul>\n            <li>\n                <p>\n                <code>Application Name</code> - The name of the
application.\n                Logical operator is <code>EQUALS</code>.</p>\n            </li>\n            <li>\n
<p>\n                <code>Application Publisher</code> - The publisher of the application.\n                Logical
operator is <code>EQUALS</code>.</p>\n            </li>\n            <li>\n                <p>\n
<code>Application Version</code> - The version of the application.\n                Logical operator is
<code>EQUALS</code>.</p>\n            </li>\n            <li>\n                <p>\n                <code>Platform
Name</code> - The name of the platform.\n                Logical operator is <code>EQUALS</code>.</p>\n
</li>\n            <li>\n                <p>\n                <code>Platform Type</code> - The platform type.\n
Logical operator is <code>EQUALS</code>.</p>\n
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</li>\n <li>\n <p>\n <code>Tag:key</code> - The key of a tag attached to an
Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is
<code>NOT_EQUALS</code>.  The key for your tag must be appended to <code>Tag:</code> following the
example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you
are not using values for the key.\n </p>\n </li>\n <li>\n <p>\n
<code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from
automated discovery.\n Logical operator is <code>NOT_EQUALS</code>.</p>\n </li>\n
<li>\n <p>\n <code>License Included</code> - The type of license included.\n Logical
operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are:
 <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-
web</code> |  \n <code>windows-server-datacenter</code>.</p>\n </li>\n </ul>\n
<p>The following filters and logical operators are supported when the resource type\n is
<code>RDS</code>:</p>\n <ul>\n <li>\n <p>\n <code>Engine Edition</code> -
The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible
values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-
se2</code>.</p>\n </li>\n <li>\n <p>\n <code>License Pack</code> - The license
pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data
guard</code> | \n <code>diagnostic pack sqlt</code> | \n
<code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>.</p>\n
</li>\n </ul>",
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Describes product information for a license configuration.</p>"
      }
    },
    "com.amazonaws.licensemanager#ProductInformationFilter": {
      "type": "structure",
      "members": {
        "ProductInformationFilterName": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Filter name.</p>",
            "smithy.api#required": {}
          }
        },
        "ProductInformationFilterValue": {
          "target": "com.amazonaws.licensemanager#StringList",

       "traits": {
            "smithy.api#documentation": "<p>Filter value.</p>"
          }
        },
        "ProductInformationFilterComparator": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
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                "smithy.api#documentation": "<p>Logical operator.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes product information filters.</p>"
    }
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ProductInformationFilter"
    }
},
"com.amazonaws.licensemanager#ProductInformationList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ProductInformation"
     }
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
    "type": "structure",
    "members": {
        "MaxTimeToLiveInMinutes": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
    }
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
         "aws.protocols#awsQueryError": {
            "code": "RateLimitExceeded",
            "httpResponseCode": 429
        },
```

"smithy.api#documentation": " Too many requests have been submitted. Try again after a brief wait. ",
"smithy.api#error": "client",
"smithy.api#httpError": 429
}
},
"com.amazonaws.licensemanager#ReceivedMetadata": {
"type": "structure",
"members": {
"ReceivedStatus": {
"target": "com.amazonaws.licensemanager#ReceivedStatus",
"traits": {
"smithy.api#documentation": " Received status. "
}
},
"ReceivedStatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Received status reason. "
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations. "
}
}
},
"traits": {
"smithy.api#documentation": " Metadata associated with received licenses and grants. "
}
},
"com.amazonaws.licensemanager#ReceivedStatus": {
"type": "enum",
"members": {
"PENDING_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_WORKFLOW"
}
},
"PENDING_ACCEPT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_ACCEPT"
}

```
        },
        "REJECTED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "REJECTED"
            }
        },
        "ACTIVE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ACTIVE"
            }
        },
        "FAILED_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED_WORKFLOW"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        },
        "DISABLED": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "DISABLED"
            }
        },
        "WORKFLOW_COMPLETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "WORKFLOW_COMPLETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#RedirectException": {
    "type": "structure",
    "members": {
        "Location": {
            "target": "com.amazonaws.licensemanager#Location",
            "traits": {
                "smithy.api#httpHeader": "Location"
            }
        },
```

```
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
             "smithy.api#error": "client",
            "smithy.api#httpError": 308
        }
    },
    "com.amazonaws.licensemanager#RejectGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#RejectGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#RejectGrantResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#RejectGrantRequest": {
        "type": "structure",
```

```
        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}

  }
    },
    "com.amazonaws.licensemanager#RejectGrantResponse": {
        "type": "structure",
        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
              "smithy.api#documentation": "<p>Grant status.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Grant version.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#RenewType":
{
        "type": "enum",
        "members": {
          "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "None"
```

```
            }
          },
          "WEEKLY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Weekly"
            }
          },
          "MONTHLY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Monthly"
            }
          }
        }
      },
      "com.amazonaws.licensemanager#ReportContext": {
        "type": "structure",
        "members": {
          "licenseConfigurationArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
            "traits": {

        "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration that this
generator reports on.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Details of the license configuration that this generator reports on.</p>"
        }
      },
      "com.amazonaws.licensemanager#ReportFrequency": {
        "type": "structure",
        "members": {
          "value": {
            "target": "com.amazonaws.licensemanager#Integer",
            "traits": {
              "smithy.api#documentation": "<p>Number of times within the frequency period that a report is
generated.  \n        The only supported value is <code>1</code>.</p>"
            }
          },
          "period": {
            "target": "com.amazonaws.licensemanager#ReportFrequencyType",

           "traits": {
              "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
```

or monthly. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
"type": "enum",
"members": {
"DAY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DAY"
}
},
"WEEK": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WEEK"
}
},
"MONTH": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "MONTH"
}
}
}
},
"com.amazonaws.licensemanager#ReportGenerator": {
"type": "structure",
"members": {
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the report generator. "
}
},
"ReportType": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports that are generated. "
}
},
"ReportContext": {

"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " License configuration type for this generator. "
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. "
}
},
"LastRunStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the last report generation attempt. "
}
},
"LastRunFailureReason": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Failure message for the last report generation attempt. "
}
},
"LastReportGenerationTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the last report was generated at. "
}
},
"ReportCreatorAccount": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Web Services account ID used to create the report generator. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"S3Location": {
"target": "com.amazonaws.licensemanager#S3Location",
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the report was created. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags associated with the report generator. "
}

}
},
"traits": {
"smithy.api#documentation": " Describe the details of a report generator. "
}
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ReportGenerator"
}
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}
}
},
"com.amazonaws.licensemanager#ReportType": {
"type": "enum",
"members": {
"LICENSE_CONFIGURATION_SUMMARY_REPORT": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "LicenseConfigurationSummaryReport"
}

},
"LICENSE_CONFIGURATION_USAGE_REPORT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "LicenseConfigurationUsageReport"
}
}
}
},
"com.amazonaws.licensemanager#ReportTypeList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ReportType"
}
},
"com.amazonaws.licensemanager#ResourceInventory": {
"type": "structure",
"members": {
"ResourceId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits":
{
"smithy.api#documentation": " Type of resource. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"Platform": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Platform of the resource. "
}
},

"PlatformVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Platform version of the resource in the inventory. "
}
},
"ResourceOwningAccountId":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about a resource. "
}
},
"com.amazonaws.licensemanager#ResourceInventoryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ResourceInventory"
}
},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "ResourceLimitExceeded",

"httpResponseCode": 400
},
"smithy.api#documentation": " Your resource limits have been exceeded. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}

```
    },
    "traits": {
      "aws.protocols#awsQueryError": {
        "code": "InvalidResource.NotFound",
        "httpResponseCode": 400
      },
      "smithy.api#documentation": "<p>The resource cannot be found.</p>",
      "smithy.api#error": "client",
      "smithy.api#httpError": 400
    }
  },
  "com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
    "members": {
      "EC2_INSTANCE": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "EC2_INSTANCE"
        }
      },
      "EC2_HOST": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "EC2_HOST"
        }
      },
      "EC2_AMI": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "EC2_AMI"
        }
      },
      "RDS": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "RDS"
        }
      },
      "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
        }
      }
    }
  },
  "com.amazonaws.licensemanager#S3Location": {
    "type": "structure",
```

"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"com.amazonaws.licensemanager#ServerInternalException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InternalError",
"httpResponseCode": 500
},
"smithy.api#documentation": " The server experienced an internal error. Try again. ",
"smithy.api#error": "server",
"smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanager#SignedToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 4096
}
}
},
"com.amazonaws.licensemanager#StatusReasonMessage": {
"type": "string",
"traits":

```
{
            "smithy.api#length": {
                "min": 0,
                "max": 400
            },
            "smithy.api#pattern": "^[\\s\\S]+$"
        }
    },
    "com.amazonaws.licensemanager#String": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#StringList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#Tag": {
        "type": "structure",
        "members": {
            "Key": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Tag key.</p>"
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Tag value.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagKeyList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#TagList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Tag"
```

```
        }
    },
    "com.amazonaws.licensemanager#TagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#TagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#TagResourceResponse"
        },
        "errors": [
            {
                "target":
 "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>One or more tags.</p>",
```

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#TagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#TokenData": {
"type": "structure",
"members": {
"TokenId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token ID. "
}
},
"TokenType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"ExpirationTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Token expiration time, in ISO8601-UTC
format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "

```
            }
        },
        "RoleArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the roles included in the
token.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token status. The possible values are
<code>AVAILABLE</code> and <code>DELETED</code>.</p>"
            }
        }
    },
    "traits": {

      "smithy.api#documentation": "<p>Describes a token.</p>"
    }
  },
  "com.amazonaws.licensemanager#TokenList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#TokenData"
    }
  },
  "com.amazonaws.licensemanager#TokenString": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 4096
        },
        "smithy.api#pattern": "^\\S+$"
    }
  },
  "com.amazonaws.licensemanager#TokenType": {
    "type": "enum",
    "members": {
        "REFRESH_TOKEN": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "REFRESH_TOKEN"
            }
        }
    }
```

```
    },
    "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
 {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The digital signature method is unsupported. Try your request
again.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UntagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
             },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Removes the specified tags from the specified license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#UntagResourceRequest": {
        "type": "structure",
```

"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanager#TagKeyList",
"traits": {
"smithy.api#documentation": " Keys identifying the tags to remove. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Modifies the attributes of an existing license configuration. "
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"LicenseConfigurationStatus": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
"traits": {
"smithy.api#documentation": " New status of the license configuration. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " New license rule. The only rule that you can add after you create a license\n configuration is licenseAffinityToHost. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {

"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name
of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is
uninstalled. "
}
}
},
"traits":
{
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates a report generator. \n After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated. "
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator to update. ",
"smithy.api#required": {}
}
},
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {

"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation":
" Type of reports to generate. The following report types are supported: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " The report context. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}

```
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },

            {
                "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
            },
            {
                "target": "com.amazonaws.licensemanager#LicenseUsageException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified
Amazon Web Services resource.</p>\n        <p>You can update the license specifications of AMIs, instances, and
hosts.\n        You cannot update the license specifications for launch templates and CloudFormation templates, \n
 as they send license configurations to the operation that creates the resource.</p>"
        }
    },
```

"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon Web Services resource. ",
"smithy.api#required": {}
}
},
"AddLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to add. "
}
},
"RemoveLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to remove. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"

```
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
        "type": "structure",
        "members": {
            "S3BucketArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
 Manager information is stored.</p>"
                }
            },
            "SnsTopicArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts.</p>"
                }
            },
            "OrganizationConfiguration": {
                "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account discovery.</p>"
                }
            },
            "EnableCrossAccountsDiscovery": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"
```

```
        }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UsageOperation": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            }
        }
    },
    "com.amazonaws.licensemanager#ValidationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

     "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    }
  }
}
```


1.6749 spec 0.20.14

1.6749.1 Available under license :

enhancements:

- |

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
been in development since 2007.
It is currently developed by a community of developers.

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in some artifacts (usually source distributions); but is always available
from the source code management (SCM) system project uses.

```
---
name: Handle External Contributor PRs

on:
 # run in the context of the base branch, so that it still works in PR from forks
 pull_request_target:
   types: [opened, reopened]

jobs:
 external-contributor-prs:
   name: Handle Fork PRs
   runs-on: ubuntu-latest
   if: github.event.pull_request.head.repo.full_name != github.repository
   steps:
     - name: Checkout repository
       uses: actions/checkout@0ad4b8fadaa221de15dcec353f45205ec38ea70b # v4.1.4
       with:
         ref: main
         fetch-depth: 0
     - name: Setup python
       uses: actions/setup-python@39cd14951b08e74b54015e9e001cdefcf80e669f # v5.1.1
       with:
         python-version: 3.11
         cache: 'pip'
         cache-dependency-path: '**/requirements*.txt'
     - name: Install dependencies
       run: pip install -r requirements.txt -r tasks/requirements.txt
     - name: Set label on external contributor PRs
       run: |
         gh issue edit "$NUMBER"
```

```
        inv -e github.handle-community-pr
 --repo="$GH_REPO" --pr-id="$NUMBER" --labels="$LABELS"
      env:
        GH_TOKEN: ${{ secrets.GITHUB_TOKEN }}
        GITHUB_TOKEN: ${{ secrets.GITHUB_TOKEN }}
        SLACK_API_TOKEN: ${{ secrets.SLACK_DATADOG_AGENT_BOT_TOKEN }}
        GH_REPO: ${{ github.repository }}
        NUMBER: ${{ github.event.number }}
        # labels is a comma-separated list of tags
        LABELS: community
```

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1.6751 analysis 0.22.2

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1.6753 pyparsing 3.1.4

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1.6762 swagger-models 2.2.19

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1.6763 jetty-util 12.0.8

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/**
* Ensures serial invocation of submitted tasks.
* <p>

```
* The {@link InvocationType} of the {@link Runnable} returned from this class is
* always {@link InvocationType#BLOCKING} since a blocking task may be added to the queue
* at any time.
* <p>
* This class was inspired by the public domain class
* <a href="https://github.com/jroper/reactive-streams-servlet/blob/master/reactive-streams-
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a>
* </p>
*/
```

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1.6765 jetty 12.0.8

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Found in path(s):
* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/ComplianceViolationException.java
* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/HttpMethod.java
* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/BadMessageException.java
* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/compression/NBitIntegerEncoder.java
* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/pathmap/RegexPathSpec.java
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* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/content/HttpContent.java
* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/content/ResourceHttpContentFactory.java
* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/compression/NBitStringEncoder.java
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* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/compression/Huffman.java
* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/HttpCompliance.java
* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/ByteRange.java

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* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/compression/EncodingException.java
* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/Http11FieldPreEncoder.java
* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/content/ValidatingCachingHttpContentFactory.java
* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/DateParser.java
* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/Syntax.java
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* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/RFC6265SetCookieParser.java
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* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/HttpException.java
* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/QuotedCSVParser.java
* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/content/PreCompressedHttpContentFactory.java
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* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/QuotedCSV.java
* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/GZIPContentDecoder.java
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* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/HttpFieldPreEncoder.java
* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/CookieCache.java
* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/HttpGenerator.java
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/opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/SetCookieParser.java
* /opt/cola/permits/2309508667_1736241888.5031743/0/jetty-http-12-0-8-sources-1-jar/org/eclipse/jetty/http/pathmap/MappedResource.java

1.6766 jmespath-java 1.12.746

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* /opt/cola/permits/2309523006_1736242365.3962476/0/jmespath-java-1-12-746-1-jar/META-INF/maven/com.amazonaws/jmespath-java/pom.xml

1.6767 gson-fire 1.9.0

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Manifest-Version: 1.0
Archiver-Version: Plexus Archiver
Created-By: 1.8.0_232 (Amazon.com Inc.)
Built-By: julio
Build-Jdk: 1.8.0_232
Bnd-LastModified: 1699219757965
Bundle-ContactAddress: ${project.parent.url}
Bundle-Description: A java library that adds some very useful features

to Gson, like Date serializing to unix timestamp or RFC3339, method
(getter) serialization, pre and post processors and many more. Check
out the documentation to learn how to use it!
Bundle-DocURL: http://gsonfire.io
Bundle-License: "Apache-2.0";link="https://www.apache.org/licenses/LIC
ENSE-2.0.txt"
Bundle-ManifestVersion: 2
Bundle-Name: Gson on Fire!
Bundle-RequiredExecutionEnvironment: JavaSE-1.6, JavaSE-1.7, JavaSE-1.8
Bundle-SCM: url="git@github.com:julman99/gson-fire.git",connection="sc
m:git:git@github.com:julman99/gson-fire.git",developer-connection="sc
m:git:git@github.com:julman99/gson-fire.git",tag=HEAD
Bundle-SymbolicName:
io.gsonfire
Bundle-Vendor: julman99
Bundle-Version: 1.9.0
Export-Package: io.gsonfire;uses:="com.google.gson";version="1.9.0"
Import-Package: com.google.gson;version="[2.10,3)",com.google.gson.ann
otations;version="[2.10,3)",com.google.gson.reflect;version="[2.10,3)
",com.google.gson.stream;version="[2.10,3)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.6))"
Tool: Bnd-5.0.0.202001221519

Found in path(s):
* /opt/cola/permits/2309522830_1736242216.8505218/0/gson-fire-1-9-0-4-jar/META-INF/MANIFEST.MF

1.6768 netty-codec-mqtt 4.1.114.Final

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*/
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* /opt/cola/permits/2309523220_1736242320.7905338/0/netty-codec-mqtt-4-1-114-final-sources-2-jar/io/netty/handler/codec/mqtt/MqttDecoder.java
* /opt/cola/permits/2309523220_1736242320.7905338/0/netty-codec-mqtt-4-1-114-final-sources-2-jar/io/netty/handler/codec/mqtt/MqttSubAckPayload.java
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* /opt/cola/permits/2309523220_1736242320.7905338/0/netty-codec-mqtt-4-1-114-final-sources-2-jar/io/netty/handler/codec/mqtt/MqttUnsubscribePayload.java
* /opt/cola/permits/2309523220_1736242320.7905338/0/netty-codec-mqtt-4-1-114-final-sources-2-jar/io/netty/handler/codec/mqtt/MqttMessageFactory.java
* /opt/cola/permits/2309523220_1736242320.7905338/0/netty-codec-mqtt-4-1-114-final-sources-2-jar/io/netty/handler/codec/mqtt/MqttConnAckVariableHeader.java
* /opt/cola/permits/2309523220_1736242320.7905338/0/netty-codec-mqtt-4-1-114-final-sources-2-jar/io/netty/handler/codec/mqtt/MqttSubscribePayload.java
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* /opt/cola/permits/2309523220_1736242320.7905338/0/netty-codec-mqtt-4-1-114-final-sources-2-jar/io/netty/handler/codec/mqtt/MqttFixedHeader.java
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* /opt/cola/permits/2309523220_1736242320.7905338/0/netty-codec-mqtt-4-1-114-final-sources-2-jar/io/netty/handler/codec/mqtt/MqttIdentifierRejectedException.java
* /opt/cola/permits/2309523220_1736242320.7905338/0/netty-codec-mqtt-4-1-114-final-sources-2-jar/io/netty/handler/codec/mqtt/MqttConnectPayload.java
* /opt/cola/permits/2309523220_1736242320.7905338/0/netty-codec-mqtt-4-1-114-final-sources-2-jar/io/netty/handler/codec/mqtt/MqttMessageIdVariableHeader.java
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* /opt/cola/permits/2309523220_1736242320.7905338/0/netty-codec-mqtt-4-1-114-final-sources-2-jar/io/netty/handler/codec/mqtt/MqttEncoder.java
* /opt/cola/permits/2309523220_1736242320.7905338/0/netty-codec-mqtt-4-1-114-final-sources-2-jar/io/netty/handler/codec/mqtt/MqttPubAckMessage.java
* /opt/cola/permits/2309523220_1736242320.7905338/0/netty-codec-mqtt-4-1-114-final-sources-2-jar/io/netty/handler/codec/mqtt/MqttMessageType.java
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* /opt/cola/permits/2309523220_1736242320.7905338/0/netty-codec-mqtt-4-1-114-final-sources-2-jar/io/netty/handler/codec/mqtt/MqttMessage.java

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* /opt/cola/permits/2309523220_1736242320.7905338/0/netty-codec-mqtt-4-1-114-final-sources-2-jar/io/netty/handler/codec/mqtt/MqttQoS.java
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* /opt/cola/permits/2309523220_1736242320.7905338/0/netty-codec-mqtt-4-1-114-final-sources-2-jar/io/netty/handler/codec/mqtt/MqttProperties.java
*

/opt/cola/permits/2309523220_1736242320.7905338/0/netty-codec-mqtt-4-1-114-final-sources-2-jar/io/netty/handler/codec/mqtt/MqttReasonCodeAndPropertiesVariableHeader.java
* /opt/cola/permits/2309523220_1736242320.7905338/0/netty-codec-mqtt-4-1-114-final-sources-2-jar/io/netty/handler/codec/mqtt/MqttPubReplyMessageVariableHeader.java
* /opt/cola/permits/2309523220_1736242320.7905338/0/netty-codec-mqtt-4-1-114-final-sources-2-jar/io/netty/handler/codec/mqtt/MqttMessageIdAndPropertiesVariableHeader.java
* /opt/cola/permits/2309523220_1736242320.7905338/0/netty-codec-mqtt-4-1-114-final-sources-2-jar/io/netty/handler/codec/mqtt/MqttUnsubAckPayload.java

1.6769 netty-handler-ssl-ocsp 4.1.114.Final

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* /opt/cola/permits/2309523031_1736242345.898778/0/netty-handler-ssl-ocsp-4-1-114-final-sources-2-jar/io/netty/handler/ssl/ocsp/OcspClient.java
*
/opt/cola/permits/2309523031_1736242345.898778/0/netty-handler-ssl-ocsp-4-1-114-final-sources-2-jar/io/netty/handler/ssl/ocsp/OcspServerCertificateValidator.java
* /opt/cola/permits/2309523031_1736242345.898778/0/netty-handler-ssl-ocsp-4-1-114-final-sources-2-jar/io/netty/handler/ssl/ocsp/OcspValidationEvent.java
* /opt/cola/permits/2309523031_1736242345.898778/0/netty-handler-ssl-ocsp-4-1-114-final-sources-2-jar/io/netty/handler/ssl/ocsp/OcspResponse.java
* /opt/cola/permits/2309523031_1736242345.898778/0/netty-handler-ssl-ocsp-4-1-114-final-sources-2-jar/io/netty/handler/ssl/ocsp/package-info.java
* /opt/cola/permits/2309523031_1736242345.898778/0/netty-handler-ssl-ocsp-4-1-114-final-sources-2-jar/io/netty/handler/ssl/ocsp/IoTransport.java

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1.6770 netty-codec-xml 4.1.114.Final

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* /opt/cola/permits/2309522723_1736242372.5890613/0/netty-codec-xml-4-1-114-final-sources-2-jar/io/netty/handler/codec/xml/XmlDocumentEnd.java
* /opt/cola/permits/2309522723_1736242372.5890613/0/netty-codec-xml-4-1-114-final-sources-2-jar/io/netty/handler/codec/xml/XmlComment.java
* /opt/cola/permits/2309522723_1736242372.5890613/0/netty-codec-xml-4-1-114-final-sources-2-jar/io/netty/handler/codec/xml/XmlSpace.java
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* /opt/cola/permits/2309522723_1736242372.5890613/0/netty-codec-xml-4-1-114-final-sources-2-jar/io/netty/handler/codec/xml/XmlContent.java
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* /opt/cola/permits/2309522723_1736242372.5890613/0/netty-codec-xml-4-1-114-final-sources-2-

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* /opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/jaas/callback/RequestParameterCallback.java
*
 /opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/UserStore.java
* /opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/authentication/package-info.java
* /opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/RolePrincipal.java
* /opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/DefaultIdentityService.java
* /opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/internal/RoleRunAsToken.java
* /opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/authentication/FormAuthenticator.java
* /opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/UserIdentity.java
*

/opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/jaas/callback/RequestCallback.java
* /opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/jaas/spi/AbstractDatabaseLoginModule.java
* /opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/internal/DeferredAuthenticationState.java
* /opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/SPNEGOLoginService.java
* /opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/AuthenticationState.java
* /opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/authentication/BasicAuthenticator.java
* /opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/authentication/SPNEGOAuthenticator.java
*
/opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/jaas/JAASUserPrincipal.java
* /opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/jaas/spi/package-info.java
* /opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/EmptyLoginService.java
* /opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/package-info.java
* /opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/jaas/spi/DataSourceLoginModule.java
* /opt/cola/permits/2309523210_1736242290.0747683/0/jetty-security-12-0-14-sources-1-jar/org/eclipse/jetty/security/authentication/SessionAuthentication.java

1.6776 tparse 2.4.2+incompatible

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1.6777 netty-transport-rxtx 4.1.114.Final

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Found in path(s):
* /opt/cola/permits/2309523226_1736242340.4092643/0/netty-transport-rxtx-4-1-114-final-sources-2-jar/META-INF/maven/io.netty/netty-transport-rxtx/pom.xml
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*/

Found in path(s):
* /opt/cola/permits/2309523226_1736242340.4092643/0/netty-transport-rxtx-4-1-114-final-sources-2-jar/io/netty/channel/rxtx/RxtxChannel.java
* /opt/cola/permits/2309523226_1736242340.4092643/0/netty-transport-rxtx-4-1-114-final-sources-2-jar/io/netty/channel/rxtx/RxtxDeviceAddress.java
* /opt/cola/permits/2309523226_1736242340.4092643/0/netty-transport-rxtx-4-1-114-final-sources-2-jar/io/netty/channel/rxtx/RxtxChannelConfig.java
* /opt/cola/permits/2309523226_1736242340.4092643/0/netty-transport-rxtx-4-1-114-final-sources-2-jar/io/netty/channel/rxtx/DefaultRxtxChannelConfig.java
* /opt/cola/permits/2309523226_1736242340.4092643/0/netty-transport-rxtx-4-1-114-final-sources-2-jar/io/netty/channel/rxtx/package-info.java
* /opt/cola/permits/2309523226_1736242340.4092643/0/netty-transport-rxtx-4-1-114-final-sources-2-jar/io/netty/channel/rxtx/RxtxChannelOption.java

1.6778 netty-codec-haproxy 4.1.114.Final

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* /opt/cola/permits/2309522800_1736242385.0879376/0/netty-codec-haproxy-4-1-114-final-sources-2-jar/META-INF/maven/io.netty/netty-codec-haproxy/pom.xml
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* /opt/cola/permits/2309522800_1736242385.0879376/0/netty-codec-haproxy-4-1-114-final-sources-2-jar/io/netty/handler/codec/haproxy/HAProxyProxiedProtocol.java
* /opt/cola/permits/2309522800_1736242385.0879376/0/netty-codec-haproxy-4-1-114-final-sources-2-jar/io/netty/handler/codec/haproxy/HAProxyProtocolException.java
* /opt/cola/permits/2309522800_1736242385.0879376/0/netty-codec-haproxy-4-1-114-final-sources-2-jar/io/netty/handler/codec/haproxy/package-info.java
* /opt/cola/permits/2309522800_1736242385.0879376/0/netty-codec-haproxy-4-1-114-final-sources-2-jar/io/netty/handler/codec/haproxy/HAProxyProtocolVersion.java
* /opt/cola/permits/2309522800_1736242385.0879376/0/netty-codec-haproxy-4-1-114-final-sources-2-jar/io/netty/handler/codec/haproxy/HAProxyConstants.java
* /opt/cola/permits/2309522800_1736242385.0879376/0/netty-codec-haproxy-4-1-114-final-sources-2-jar/io/netty/handler/codec/haproxy/HAProxyCommand.java
* /opt/cola/permits/2309522800_1736242385.0879376/0/netty-codec-haproxy-4-1-114-final-sources-2-jar/io/netty/handler/codec/haproxy/HAProxyMessageDecoder.java
* /opt/cola/permits/2309522800_1736242385.0879376/0/netty-codec-haproxy-4-1-114-final-sources-2-jar/io/netty/handler/codec/haproxy/HAProxyMessage.java
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* /opt/cola/permits/2309522800_1736242385.0879376/0/netty-codec-haproxy-4-1-114-final-sources-2-jar/io/netty/handler/codec/haproxy/HAProxyTLV.java
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* /opt/cola/permits/2309522800_1736242385.0879376/0/netty-codec-haproxy-4-1-114-final-sources-2-jar/io/netty/handler/codec/haproxy/HAProxyMessageEncoder.java

1.6779 jackson-dataformat-csv 2.17.1

1.6779.1 Available under license :

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1.6780 grpc-netty 1.65.0

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1.6781 feign-mock 13.3

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Found in path(s):
* /opt/cola/permits/2309523088_1736242269.4411058/0/feign-mock-13-3-jar/META-INF/maven/io.github.openfeign/feign-mock/pom.xml
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Manifest-Version: 1.0

Created-By: Apache Maven Bundle Plugin 5.1.9
Build-Jdk-Spec: 21
Build-Tool-Jdk-Spec: 21
Bnd-LastModified: 1718905970795
Bundle-Description: Feign Mock
Bundle-DocURL: https://github.com/openfeign
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Feign Mock
Bundle-SymbolicName: io.github.openfeign.feign-mock
Bundle-Vendor: OpenFeign
Bundle-Version: 13.3.0
Export-Package: feign.mock;uses:=feign;version="13.3.0"
Import-Package: feign;version="[13.3,14)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Tool: Bnd-6.3.1.202206071316

Found in path(s):
* /opt/cola/permits/2309523088_1736242269.4411058/0/feign-mock-13-3-jar/META-INF/MANIFEST.MF

1.6782 vertx-core 4.5.8

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Core commands
io.vertx.core.impl.launcher.commands.RunCommandFactory
io.vertx.core.impl.launcher.commands.VersionCommandFactory
io.vertx.core.impl.launcher.commands.BareCommandFactory

Background application control
io.vertx.core.impl.launcher.commands.ListCommandFactory
io.vertx.core.impl.launcher.commands.StartCommandFactory
io.vertx.core.impl.launcher.commands.StopCommandFactory

Found in path(s):
* /opt/cola/permits/2309523047_1736242230.5415132/0/vertx-core-4-5-8-1-jar/META-INF/services/io.vertx.core.spi.launcher.CommandFactory

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 ~
 -->
```

Found in path(s):
* /opt/cola/permits/2309523047_1736242230.5415132/0/vertx-core-4-5-8-1-jar/META-INF/maven/io.vertx/vertx-core/pom.xml

1.6783 client-java-api 21.0.0

1.6783.1 Available under license :

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1.6784 netty-codec-stomp 4.1.114.Final

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* /opt/cola/permits/2309523179_1736242395.2673845/0/netty-codec-stomp-4-1-114-final-sources-2-jar/io/netty/handler/codec/stomp/LastStompContentSubframe.java
* /opt/cola/permits/2309523179_1736242395.2673845/0/netty-codec-stomp-4-1-114-final-sources-2-jar/io/netty/handler/codec/stomp/StompHeadersSubframe.java
*
 /opt/cola/permits/2309523179_1736242395.2673845/0/netty-codec-stomp-4-1-114-final-sources-2-jar/io/netty/handler/codec/stomp/DefaultLastStompContentSubframe.java
* /opt/cola/permits/2309523179_1736242395.2673845/0/netty-codec-stomp-4-1-114-final-sources-2-jar/io/netty/handler/codec/stomp/StompSubframeEncoder.java
* /opt/cola/permits/2309523179_1736242395.2673845/0/netty-codec-stomp-4-1-114-final-sources-2-jar/io/netty/handler/codec/stomp/StompSubframe.java
* /opt/cola/permits/2309523179_1736242395.2673845/0/netty-codec-stomp-4-1-114-final-sources-2-jar/io/netty/handler/codec/stomp/DefaultStompFrame.java
* /opt/cola/permits/2309523179_1736242395.2673845/0/netty-codec-stomp-4-1-114-final-sources-2-jar/io/netty/handler/codec/stomp/StompFrame.java
* /opt/cola/permits/2309523179_1736242395.2673845/0/netty-codec-stomp-4-1-114-final-sources-2-jar/io/netty/handler/codec/stomp/StompSubframeDecoder.java
* /opt/cola/permits/2309523179_1736242395.2673845/0/netty-codec-stomp-4-1-114-final-sources-2-jar/io/netty/handler/codec/stomp/DefaultStompContentSubframe.java
*
 /opt/cola/permits/2309523179_1736242395.2673845/0/netty-codec-stomp-4-1-114-final-sources-2-jar/io/netty/handler/codec/stomp/StompConstants.java
* /opt/cola/permits/2309523179_1736242395.2673845/0/netty-codec-stomp-4-1-114-final-sources-2-jar/io/netty/handler/codec/stomp/StompContentSubframe.java
* /opt/cola/permits/2309523179_1736242395.2673845/0/netty-codec-stomp-4-1-114-final-sources-2-jar/io/netty/handler/codec/stomp/DefaultStompHeaders.java
* /opt/cola/permits/2309523179_1736242395.2673845/0/netty-codec-stomp-4-1-114-final-sources-2-jar/io/netty/handler/codec/stomp/StompSubframeAggregator.java
* /opt/cola/permits/2309523179_1736242395.2673845/0/netty-codec-stomp-4-1-114-final-sources-2-jar/io/netty/handler/codec/stomp/StompHeaders.java
* /opt/cola/permits/2309523179_1736242395.2673845/0/netty-codec-stomp-4-1-114-final-sources-2-jar/io/netty/handler/codec/stomp/package-info.java
*
 /opt/cola/permits/2309523179_1736242395.2673845/0/netty-codec-stomp-4-1-114-final-sources-2-jar/io/netty/handler/codec/stomp/StompCommand.java
* /opt/cola/permits/2309523179_1736242395.2673845/0/netty-codec-stomp-4-1-114-final-sources-2-jar/io/netty/handler/codec/stomp/DefaultStompHeadersSubframe.java
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1.6785 client-java 21.0.0

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```
Manifest-Version: 1.0
Automatic-Module-Name: io.kubernetes.client.java
Bnd-LastModified: 1718991689987
Build-Jdk-Spec: 17
Bundle-Description: Kubernetes Client Library
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: client-java
Bundle-SymbolicName: io.kubernetes.client-java
Bundle-Version: 21.0.0
Created-By: Apache Maven Bundle Plugin 5.1.9
Export-Package: io.kubernetes.client;uses:="com.google.protobuf,io.kub
ernetes.client.custom,io.kubernetes.client.openapi,io.kubernetes.clie
nt.openapi.models,io.kubernetes.client.proto,io.kubernetes.client.uti
l,io.kubernetes.client.util.exception";version="21.0.0",io.kubernetes
.client.apimachinery;uses:="io.kubernetes.client.common,okhttp3";vers
ion="21.0.0",io.kubernetes.client.informer;uses:="io.kubernetes.clien
t.common,io.kubernetes.client.informer.cache,io.kubernetes.client.inf
ormer.exception,io.kubernetes.client.openapi,io.kubernetes.client.uti
 l,io.kubernetes.client.util.generic";version="21.0.0",io.kubernetes.c
lient.informer.cache;uses:="io.kubernetes.client.common,io.kubernetes
.client.informer,io.kubernetes.client.openapi.models,org.apache.commo
ns.lang3.tuple";version="21.0.0",io.kubernetes.client.informer.except
ion;version="21.0.0",io.kubernetes.client.monitoring;uses:="io.kubern
etes.client.openapi,okhttp3";version="21.0.0",io.kubernetes.client.pe
rsister;version="21.0.0",io.kubernetes.client.simplified;uses:="io.ku
bernetes.client.custom,io.kubernetes.client.openapi,io.kubernetes.cli
ent.openapi.models";version="21.0.0",io.kubernetes.client.util;uses:=
"com.google.gson.annotations,io.kubernetes.client,io.kubernetes.clien
t.apimachinery,io.kubernetes.client.common,io.kubernetes.client.opena
pi,io.kubernetes.client.openapi.models,io.kubernetes.client.persister
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,io.kubernetes.client.util.authenticators,io.kubernetes.client.util.c
redentials,io.kubernetes.client.util.exception,javax.annotation,javax
.net.ssl,okhttp3,okio,org.yaml.snakeyaml,org.yaml.snakeyaml.construct
or,org.yaml.snakeyaml.introspector,org.yaml.snakeyaml.nodes,org.yaml.
snakeyaml.representer";version="21.0.0",io.kubernetes.client.util.ann
otations;uses:="io.kubernetes.client.common";version="21.0.0",io.kube
rnetes.client.util.authenticators;uses:="com.google.auth.oauth2";vers
ion="21.0.0",io.kubernetes.client.util.conversion;uses:="io.kubernete
s.client.openapi.models";version="21.0.0",io.kubernetes.client.util.c
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.client.openapi.models";version="21.0.0",io.kubernetes.client.util.ok
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Import-Package: com.amazonaws.auth,com.google.auth.oauth2;resolution:=
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c,javax.net.ssl,javax.security.auth.x500,okhttp3,okhttp3.internal.con
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e.commons.lang3.tuple;version="[3.14,4)",org.apache.http.client.utils
,org.bouncycastle.asn1.pkcs;version="[1.78,2)",org.bouncycastle.jce.p
rovider;version="[1.78,2)",org.bouncycastle.openssl;version="[1.78,2)
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t;version="[0.9,1)",org.jose4j.jwt.consumer;version="[0.9,1)",org.jos
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ml.nodes;version="[2.2,3)",org.yaml.snakeyaml.representer;version="[2
.2,3)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=11))"
Tool: Bnd-6.3.1.202206071316

Found in path(s):
* /opt/cola/permits/2309522991_1736242208.261173/0/client-java-21-0-0-jar/META-INF/MANIFEST.MF

1.6786 x-mod 0.20.0

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1.6787 client-java-proto 21.0.0

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1.6788 swagger-annotations 1.6.14

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Manifest-Version: 1.0
Created-By: Maven JAR Plugin 3.3.0
Build-Jdk-Spec: 11
Automatic-Module-Name: io.swagger.annotations
implementation-version: 1.6.14
mode: development
package: io.swagger
url: https://github.com/swagger-api/swagger-core/modules/swagger-annotat
ions
Bundle-Description: Sonatype helps open source projects to set up Maven
repositories on https://oss.sonatype.org/
Bundle-Developers: fehguy;email="fehguy@gmail.com";name="Tony Tam"
Bundle-DocURL: https://github.com/swagger-api/swagger-core/modules/swagg
er-annotations
Bundle-License: "Apache License 2.0";link="http://www.apache.org/license
s/LICENSE-2.0.html"

Bundle-ManifestVersion: 2
Bundle-Name: swagger-annotations
Bundle-SCM: url="https://github.com/swagger-api/swagger-core/modules/swa
gger-annotations",connection="scm:git:git@github.com:swagger-api/swagge
r-core.git/modules/swagger-annotations",developer-connection="scm:git:g
it@github.com:swagger-api/swagger-core.git/modules/swagger-annotations"
 ,tag=HEAD
Bundle-SymbolicName: io.swagger.swagger-annotations
Bundle-Version: 1.6.14
Export-Package: io.swagger.annotations;version="1.6.14"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.7))"

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* /opt/cola/permits/2309523248_1736242275.9218209/0/swagger-annotations-1-6-14-3-jar/META-INF/MANIFEST.MF

1.6789 aws-java-sdk-core 1.12.746

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1.6790 bcrypt_pbkdf 0.0.0-20150205184540-83f37f9c154a

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1.6791 netty-codec-smtp 4.1.114.Final

1.6791.1 Available under license :

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Found in path(s):
* /opt/cola/permits/2309522729_1736242293.028798/0/netty-codec-smtp-4-1-114-final-sources-2-jar/io/netty/handler/codec/smtp/SmtpResponseDecoder.java
* /opt/cola/permits/2309522729_1736242293.028798/0/netty-codec-smtp-4-1-114-final-sources-2-jar/io/netty/handler/codec/smtp/SmtpUtils.java
* /opt/cola/permits/2309522729_1736242293.028798/0/netty-codec-smtp-4-1-114-final-sources-2-jar/io/netty/handler/codec/smtp/DefaultLastSmtpContent.java
* /opt/cola/permits/2309522729_1736242293.028798/0/netty-codec-smtp-4-1-114-final-sources-2-jar/io/netty/handler/codec/smtp/DefaultSmtpRequest.java
* /opt/cola/permits/2309522729_1736242293.028798/0/netty-codec-smtp-4-1-114-final-sources-2-jar/io/netty/handler/codec/smtp/SmtpRequestEncoder.java
* /opt/cola/permits/2309522729_1736242293.028798/0/netty-codec-smtp-4-1-114-final-sources-2-jar/io/netty/handler/codec/smtp/package-info.java
* /opt/cola/permits/2309522729_1736242293.028798/0/netty-codec-smtp-4-1-114-final-sources-2-jar/io/netty/handler/codec/smtp/DefaultSmtpContent.java
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/opt/cola/permits/2309522729_1736242293.028798/0/netty-codec-smtp-4-1-114-final-sources-2-jar/io/netty/handler/codec/smtp/LastSmtpContent.java
* /opt/cola/permits/2309522729_1736242293.028798/0/netty-codec-smtp-4-1-114-final-sources-2-jar/io/netty/handler/codec/smtp/DefaultSmtpResponse.java
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* /opt/cola/permits/2309522729_1736242293.028798/0/netty-codec-smtp-4-1-114-final-sources-2-jar/io/netty/handler/codec/smtp/SmtpRequest.java
* /opt/cola/permits/2309522729_1736242293.028798/0/netty-codec-smtp-4-1-114-final-sources-2-jar/io/netty/handler/codec/smtp/SmtpCommand.java
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Found in path(s):
* /opt/cola/permits/2309522729_1736242293.028798/0/netty-codec-smtp-4-1-114-final-sources-2-jar/META-INF/maven/io.netty/netty-codec-smtp/pom.xml

1.6792 netty-codec-memcache 4.1.114.Final

1.6792.1 Available under license :

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* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/META-INF/maven/io.netty/netty-codec-memcache/pom.xml
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* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/binary/package-info.java
* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/binary/DefaultBinaryMemcacheResponse.java
* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheMessage.java
* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheRequestEncoder.java
* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/binary/DefaultBinaryMemcacheRequest.java
* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheOpcodes.java
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* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/AbstractMemcacheObjectAggregator.java
* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponseEncoder.java
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* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/FullMemcacheMessage.java
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/opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/binary/AbstractBinaryMemcacheDecoder.java
* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/AbstractMemcacheObject.java
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* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheClientCodec.java
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/opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheObjectAggregator.java
* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/AbstractMemcacheObjectEncoder.java
* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheRequest.java
* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/package-info.java
* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/binary/AbstractBinaryMemcacheEncoder.java
* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/binary/DefaultFullBinaryMemcacheResponse.java
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* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/AbstractMemcacheObjectDecoder.java
* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheServerCodec.java
* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-

jar/io/netty/handler/codec/memcache/binary/AbstractBinaryMemcacheMessage.java
* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/binary/DefaultFullBinaryMemcacheRequest.java
* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponse.java
*
/opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/MemcacheMessage.java
* /opt/cola/permits/2309523028_1736242314.7868197/0/netty-codec-memcache-4-1-114-final-sources-2-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheRequestDecoder.java

1.6793 netty-transport-sctp 4.1.114.Final

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1.6794 netty-transport-udt 4.1.114.Final

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* /opt/cola/permits/2309535097_1736242350.3147576/0/flyway-database-postgresql-10-10-0-sources-1-jar/META-INF/maven/org.flywaydb/flyway-database-postgresql/pom.xml

1.6798 osgi-service-jdbc 1.1.0

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* /opt/cola/permits/2309555737_1736242867.093293/0/org-osgi-service-jdbc-1-1-0-sources-1-jar/org/osgi/service/jdbc/DataSourceFactory.java
*
 /opt/cola/permits/2309555737_1736242867.093293/0/org-osgi-service-jdbc-1-1-0-sources-1-jar/org/osgi/service/jdbc/package-info.java

1.6799 grpc-grpclb 1.66.0

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* /opt/cola/permits/2309555582_1736242856.5598292/0/grpc-grpclb-1-66-0-1-jar/grpc/lb/v1/load_balancer.proto

1.6800 grpc-protobuf 1.66.0

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1.6801 org-osgi-util-promise 1.3.0

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* /opt/cola/permits/2309555439_1736242821.4811704/0/org-osgi-util-promise-1-3-0-sources-1-jar/org/osgi/util/promise/PromiseImpl.java
*
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* /opt/cola/permits/2309555439_1736242821.4811704/0/org-osgi-util-promise-1-3-0-sources-1-jar/org/osgi/util/promise/ResolvedPromiseImpl.java
* /opt/cola/permits/2309555439_1736242821.4811704/0/org-osgi-util-promise-1-3-0-sources-1-jar/org/osgi/util/promise/Failure.java
* /opt/cola/permits/2309555439_1736242821.4811704/0/org-osgi-util-promise-1-3-0-sources-1-jar/org/osgi/util/promise/PromiseFactory.java

* /opt/cola/permits/2309555439_1736242821.4811704/0/org-osgi-util-promise-1-3-0-sources-1-jar/org/osgi/util/promise/TimeoutException.java
*
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* /opt/cola/permits/2309555439_1736242821.4811704/0/org-osgi-util-promise-1-3-0-sources-1-jar/org/osgi/util/promise/Deferred.java

1.6802 grpc-netty 1.66.0

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Core commands
io.vertx.core.impl.launcher.commands.RunCommandFactory
io.vertx.core.impl.launcher.commands.VersionCommandFactory
io.vertx.core.impl.launcher.commands.BareCommandFactory

Background application control
io.vertx.core.impl.launcher.commands.ListCommandFactory
io.vertx.core.impl.launcher.commands.StartCommandFactory
io.vertx.core.impl.launcher.commands.StopCommandFactory

Found in path(s):
* /opt/cola/permits/2309555498_1736242850.525915/0/vertx-core-4-5-9-1-jar/META-INF/services/io.vertx.core.spi.launcher.CommandFactory

1.6810 osgi-service-event 1.4.1

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***/

Found in path(s):
* /opt/cola/permits/2309555568_1736242869.147619/0/org-osgi-service-event-1-4-1-sources-1-jar/org/osgi/service/event/EventConstants.java
*
 /opt/cola/permits/2309555568_1736242869.147619/0/org-osgi-service-event-1-4-1-sources-1-jar/org/osgi/service/event/EventProperties.java
* /opt/cola/permits/2309555568_1736242869.147619/0/org-osgi-service-event-1-4-1-sources-1-

jar/org/osgi/service/event/TopicPermission.java
* /opt/cola/permits/2309555568_1736242869.147619/0/org-osgi-service-event-1-4-1-sources-1-jar/org/osgi/service/event/annotations/RequireEventAdmin.java
* /opt/cola/permits/2309555568_1736242869.147619/0/org-osgi-service-event-1-4-1-sources-1-jar/org/osgi/service/event/propertytypes/package-info.java
* /opt/cola/permits/2309555568_1736242869.147619/0/org-osgi-service-event-1-4-1-sources-1-jar/org/osgi/service/event/Event.java
* /opt/cola/permits/2309555568_1736242869.147619/0/org-osgi-service-event-1-4-1-sources-1-jar/org/osgi/service/event/EventAdmin.java
* /opt/cola/permits/2309555568_1736242869.147619/0/org-osgi-service-event-1-4-1-sources-1-jar/org/osgi/service/event/package-info.java
*
/opt/cola/permits/2309555568_1736242869.147619/0/org-osgi-service-event-1-4-1-sources-1-jar/org/osgi/service/event/propertytypes/EventDelivery.java
* /opt/cola/permits/2309555568_1736242869.147619/0/org-osgi-service-event-1-4-1-sources-1-jar/org/osgi/service/event/annotations/package-info.java
* /opt/cola/permits/2309555568_1736242869.147619/0/org-osgi-service-event-1-4-1-sources-1-jar/org/osgi/service/event/propertytypes/EventTopics.java
* /opt/cola/permits/2309555568_1736242869.147619/0/org-osgi-service-event-1-4-1-sources-1-jar/org/osgi/service/event/EventHandler.java
* /opt/cola/permits/2309555568_1736242869.147619/0/org-osgi-service-event-1-4-1-sources-1-jar/org/osgi/service/event/propertytypes/EventFilter.java

1.6811 gorm-gorm 1.25.10

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1.6812 pgservicefile 0.0.0-20240606120523-5a60cdf6a761

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1.6813 puddle 2.2.2

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1.6814 hazelcast-tpc-engine 5.4.0

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Apache-2.0
Java Concurrency Tools Core Library:4.0.3

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1.6818 pax-url-obr 2.6.14

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* /opt/cola/permits/2309595645_1736245150.8612692/0/pax-url-obr-2-6-14-sources-1-jar/org/ops4j/pax/url/obr/internal/FilterValidator.java
* /opt/cola/permits/2309595645_1736245150.8612692/0/pax-url-obr-2-6-14-sources-1-jar/org/ops4j/pax/url/obr/internal/Activator.java
* /opt/cola/permits/2309595645_1736245150.8612692/0/pax-url-obr-2-6-14-sources-1-jar/org/ops4j/pax/url/obr/ServiceConstants.java
* /opt/cola/permits/2309595645_1736245150.8612692/0/pax-url-obr-2-6-14-sources-1-jar/org/ops4j/pax/url/obr/internal/Connection.java
* /opt/cola/permits/2309595645_1736245150.8612692/0/pax-url-obr-2-6-14-sources-1-jar/org/ops4j/pax/url/obr/internal/Configuration.java

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1.6819 jooq-meta 3.19.10

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public DomainConstraints domainConstraints() {

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* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/hsqldb/information_schema/tables/Schemata.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/hsqldb/information_schema/tables/CheckConstraints.java

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public Domains(String alias) {
public Domains(Name alias) {
public Domains() {
public Domains as(String alias) {
public Domains as(Name alias) {
public Domains rename(String name) {
public Domains rename(Name name) {

Found in path(s):
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/h2/information_schema/tables/Domains.java
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public Domains(String alias) {
public Domains(Name alias) {
public Domains() {
public DomainConstraints domainConstraints() {
public Domains as(String alias) {
public Domains as(Name alias) {
public Domains as(Table<?> alias) {

Found in path(s):
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/hsqldb/information_schema/tables/Domains.java
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Found in path(s):

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* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultTriggerDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/trino/TrinoTableDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultXMLNamespaceDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/CatalogVersionProvider.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/SchemaDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/sqlite/SQLiteDatabase.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/hsqldb/HSQLDBTableValuedFunction.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/duckdb/DuckDBTableDefinition.java
*
 /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultInverseForeignKeyDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/trino/TrinoDatabase.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-
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jar/org/jooq/meta/TriggerDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/XMLSchemaCollectionDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/RoutineDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/SequenceDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/BufferedLog.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/PositionedDefinition.java
*
/opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/derby/DerbyDatabase.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/postgres/PostgresTableValuedFunction.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultSyntheticDaoDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/AbstractTableDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/SchemaVersionProvider.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/xml/XMLRoutineDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/Definition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/CheckConstraintDefinition.java
*
/opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultIdentityDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/Database.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/CatalogDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/mysql/MySQLRoutineDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultJavaTypeResolver.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/IndexDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/AbstractConstraintDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultCheckConstraintDefinition.java
*
/opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/h2/H2TableDefinition.java

* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/hsqldb/HSQLDBTableDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/cubrid/CUBRIDDatabase.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DomainDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultManyToManyKeyDefinition.java
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* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/AbstractTypedElementDefinition.java
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* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultEmbeddableColumnDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/xml/XMLPackageDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/ForeignKeyDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/AbstractIndexDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultDataTypeDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/firebird/FirebirdDatabase.java
*
/opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultEmbeddableDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/hsqldb/HSQLDBDatabase.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/AbstractPackageDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/IndexColumnDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultForeignKeyDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/sqlite/SQLiteTableDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/EmbeddableColumnDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/SyntheticDaoDefinition.java
*

/opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DataTypeDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultParameterDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/AbstractMetaDatabase.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/InverseForeignKeyDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/AbstractDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultUniqueKeyDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/postgres/PostgresTableDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/yugabytedb/YugabyteDBDatabase.java
*
/opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/XMLNamespaceDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/postgres/PostgresDatabase.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/Relations.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/h2/H2Database.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/h2/H2RoutineDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultXMLTypeDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultSequenceDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/ColumnDefinition.java
*
/opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/IdentityDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/ManyToManyKeyDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/ConstraintDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultXMLSchemaCollectionDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/EmbeddableDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/mysql/MySQLTableDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultOrderProvider.java

* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultArrayDefinition.java
*
 /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/cubrid/CUBRIDTableDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/UDTDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/postgres/PostgresRoutineDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultAttributeDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/AbstractUDTDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/duckdb/DuckDBUDTDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/TableElementDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/postgres/PostgresUDTDefinition.java
*
 /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/InOutDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/firebird/FirebirdTableDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/xml/XMLDatabase.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultColumnDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/postgres/PostgresMaterializedViewDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/hsqldb/HSQLDBRoutineDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/TypedElementDefinition.java
*
 /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/SortedList.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/AbstractDatabase.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/ClassUtils.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultDomainDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultIndexColumnDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/Patterns.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-

jar/org/jooq/meta/ignite/IgniteDatabase.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/derby/DerbyTableDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/ResultQueryDatabase.java
*
/opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/sqlite/sqlite_master/SQLiteMaster.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/firebird/FirebirdRoutineDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/AttributeDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/JavaTypeResolver.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/firebird/FirebirdTableValuedFunction.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/AbstractRoutineDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultRelations.java
*
/opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/XMLTypeDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/AbstractElementContainerDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/mariadb/MariaDBDatabase.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/Databases.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/PackageDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/DefaultMetaTableDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/mysql/MySQLDatabase.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/jdbc/JDBCDatabase.java
*
/opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/TableDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/ParameterDefinition.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/Constants.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/duckdb/DuckDBDatabase.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/UniqueKeyDefinition.java

* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/Statements.java
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/xml/XMLTableDefinition.java
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```
public DomainConstraints(String alias) {
public DomainConstraints(Name alias) {
public DomainConstraints() {
public Domains domains() {
public DomainConstraints as(String alias) {
public DomainConstraints as(Name alias) {
public DomainConstraints as(Table<?> alias) {
```

Found in path(s):
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/hsqldb/information_schema/tables/DomainConstraints.java
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```
public Domains(String alias) {
public Domains(Name alias) {
public Domains() {
public Domains as(String alias) {
public Domains as(Name alias) {
public Domains as(Table<?> alias) {
```

Found in path(s):
* /opt/cola/permits/2309595317_1736245175.1676223/0/jooq-meta-3-19-10-sources-1-jar/org/jooq/meta/postgres/information_schema/tables/Domains.java

1.6820 pax-transx-jdbc 0.5.4

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* /opt/cola/permits/2309596868_1736245278.9395447/0/pax-transx-jdbc-0-5-4-sources-1-jar/org/ops4j/pax/transx/jdbc/impl/LocalDataSourceMCF.java
* /opt/cola/permits/2309596868_1736245278.9395447/0/pax-transx-jdbc-0-5-4-sources-1-jar/org/ops4j/pax/transx/jdbc/impl/Wrappers.java
* /opt/cola/permits/2309596868_1736245278.9395447/0/pax-transx-jdbc-0-5-4-sources-1-jar/org/ops4j/pax/transx/jdbc/impl/TransxDataSource.java
* /opt/cola/permits/2309596868_1736245278.9395447/0/pax-transx-jdbc-0-5-4-sources-1-jar/org/ops4j/pax/transx/jdbc/impl/ConnectionHandle.java
* /opt/cola/permits/2309596868_1736245278.9395447/0/pax-transx-jdbc-0-5-4-sources-1-jar/org/ops4j/pax/transx/jdbc/ConfigurableSQLStateExceptionSorter.java
* /opt/cola/permits/2309596868_1736245278.9395447/0/pax-transx-jdbc-0-5-4-sources-1-jar/org/ops4j/pax/transx/jdbc/impl/ManagedJDBCConnection.java
* /opt/cola/permits/2309596868_1736245278.9395447/0/pax-transx-jdbc-0-5-4-sources-1-jar/org/ops4j/pax/transx/jdbc/impl/AbstractJdbcManagedConnectionFactory.java
* /opt/cola/permits/2309596868_1736245278.9395447/0/pax-transx-jdbc-0-5-4-sources-1-jar/org/ops4j/pax/transx/jdbc/impl/ManagedXAConnection.java
* /opt/cola/permits/2309596868_1736245278.9395447/0/pax-transx-jdbc-0-5-4-sources-1-jar/org/ops4j/pax/transx/jdbc/KnownSQLStateExceptionSorter.java
* /opt/cola/permits/2309596868_1736245278.9395447/0/pax-transx-jdbc-0-5-4-sources-1-jar/org/ops4j/pax/transx/jdbc/impl/ConnectionPoolDataSourceMCF.java
* /opt/cola/permits/2309596868_1736245278.9395447/0/pax-transx-jdbc-0-5-4-sources-1-jar/org/ops4j/pax/transx/jdbc/impl/ManagedPooledConnection.java
* /opt/cola/permits/2309596868_1736245278.9395447/0/pax-transx-jdbc-0-5-4-sources-1-jar/org/ops4j/pax/transx/jdbc/impl/PreparedStatementKey.java
* /opt/cola/permits/2309596868_1736245278.9395447/0/pax-transx-jdbc-0-5-4-sources-1-jar/org/ops4j/pax/transx/jdbc/impl/XADataSourceMCF.java
* /opt/cola/permits/2309596868_1736245278.9395447/0/pax-transx-jdbc-0-5-4-sources-1-jar/org/ops4j/pax/transx/jdbc/impl/PreparedStatementWrapper.java
* /opt/cola/permits/2309596868_1736245278.9395447/0/pax-transx-jdbc-0-5-4-sources-1-jar/org/ops4j/pax/transx/jdbc/impl/ConnectionWrapper.java
* /opt/cola/permits/2309596868_1736245278.9395447/0/pax-transx-jdbc-0-5-4-sources-1-jar/org/ops4j/pax/transx/jdbc/impl/AutocommitSpecCompliant.java
* /opt/cola/permits/2309596868_1736245278.9395447/0/pax-transx-jdbc-0-5-4-sources-1-jar/org/ops4j/pax/transx/jdbc/ManagedDataSourceBuilder.java
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* /opt/cola/permits/2309596868_1736245278.9395447/0/pax-transx-jdbc-0-5-4-sources-1-jar/META-INF/maven/org.ops4j.pax.transx/pax-transx-jdbc/pom.xml

1.6821 jooq 3.19.10

1.6821.1 Available under license :

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/**
* This package contains parts of OpenCSV.
* <p>
* jOOQ has no external dependencies. Nevertheless, some libraries that are
* compatible with jOOQ's Apache License 2.0 are embedded into jOOQ. See the
* OpenCSV website for more details about OpenCSV:
* <p>
* http://opencsv.sourceforge.net/
*/

Found in path(s):
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/tools/csv/package-info.java
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*/
/**
* A very simple CSV reader released under a commercial-friendly license.
*
* @author Glen Smith
*/

Found in path(s):
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/tools/csv/CSVReader.java
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public DomainConstraint createDomainConstraint() {
public Domain createDomain() {

Found in path(s):
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/util/xml/jaxb/ObjectFactory.java
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*/
/**
   * Get a set of supported dialect versions and predecessors given a dialect
   * version.
   * <p>
   * The resulting set of dialects contain all the families and dialect
   * versions that precede the argument dialect, including the argument
   * dialect.
   */
```

Found in path(s):
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/SQLDialect.java
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*/

Found in path(s):
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/tools/reflect/CompileOptions.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/tools/reflect/ReflectException.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/tools/reflect/Reflect.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/tools/reflect/Compile.java
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* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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* limitations under the License.
*/
/**
* A very simple CSV parser released under a commercial-friendly license. This
* just implements splitting a single line into fields.
*
* @author Glen Smith
* @author Rainer Pruy
*/

Found in path(s):
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/tools/csv/CSVParser.java
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*/
```

Found in path(s):
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/types/ULong.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/types/UInteger.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/types/UNumber.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/types/UShort.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/types/Unsigned.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/types/UByte.java
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```
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Found in path(s):
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/tools/json/JSONValue.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/tools/json/JSONArray.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/tools/json/JSONObject.java
No license file was found, but licenses were detected in source scan.

/**
* This package contains parts of JSON Simple.
* <p>
* jOOQ has no external dependencies. Nevertheless, some libraries that are
* compatible with jOOQ's Apache License 2.0 are embedded into jOOQ. See the
* JSON Simple website for more details about JSON Simple:
* <p>
* <a href=
* "http://code.google.com/p/json-simple/">http://code.google.com/p/json-simple/
*/

Found in path(s):
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/tools/json/package-info.java
No license file was found, but licenses were detected in source scan.

<name>Apache License, Version 2.0</name>

Found in path(s):
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/META-INF/maven/org.jooq/jooq/pom.xml
No license file was found, but licenses were detected in source scan.

public Domain withDomainCatalog(String value) {
public Domain withDomainSchema(String value) {
public Domain withDomainName(String value) {
public Domain withDataType(String value) {
public Domain withCharacterMaximumLength(Integer value) {
public Domain withNumericPrecision(Integer value) {
public Domain withNumericScale(Integer value) {
public Domain withDomainDefault(String value) {

Found in path(s):

* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/util/xml/jaxb/Domain.java
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*/
/**
   * Clean up blobs, clobs and the local configuration.
   * <p>
   * <h5>BLOBS and CLOBS</h5>
   * <p>
   * [#1326] This is necessary in those dialects that have long-lived
   * temporary lob objects, which can cause memory leaks in certain contexts,
```

```
   * where the lobs' underlying session / connection is long-lived as well.
   * Specifically, Oracle and ojdbc have some trouble when streaming temporary
   * lobs to UDTs:
   * <ol>
   * <li>The lob cannot have a call-scoped life time with UDTs</li>
   * <li>Freeing the lob after binding will cause an ORA-22275</li>
   * <li>Not freeing the lob after execution will cause an
   * {@link OutOfMemoryError}</li>
   * </ol>
   * <p>
   * <h5>Local configuration</h5>
   * <p>
   * [#1544] There exist some corner-cases regarding the {@link SQLOutput}
   * API, used for UDT serialisation / deserialisation, which have no elegant
   * solutions of obtaining a {@link
 Configuration} and thus a JDBC
   * {@link Connection} object short of:
   * <ul>
   * <li>Making assumptions about the JDBC driver and using proprietary API,
   * e.g. that of ojdbc</li>
   * <li>Dealing with this problem globally by using such a local
   * configuration</li>
   * </ul>
   *
   * @see <a
   *     href="http://stackoverflow.com/q/11439543/521799">http://stackoverflow.com/q/11439543/521799</a>
   */
```

Found in path(s):
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/DefaultExecuteContext.java
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*/
/**
   * Create a "plain SQL" field.
   * <p>
   * A plain SQL field is a field that can contain user-defined plain SQL,
   * because sometimes it is easier to express things directly in SQL, for
   * instance complex proprietary functions. There must not be any binding
   * variables contained in the SQL.
   * <p>
   * Example:
   * <p>
   *
   * <pre>
   * <code>
   * String sql = "DECODE(MY_FIELD, 1, 100, 200)";
   * </code>
   * </pre>
   * <p>
   * <b>NOTE</b>: A lot of things work less well in jOOQ if no
   * {@link DataType} information is attached to a {@link Field} expression,
   * including:
   * <ul>
   * <li>Some drivers may find it hard to bind <code>NULL</code> values.</li>
   * <li>Some RDBMS may find it hard to infer a type from an expression
   * alone.</li>
   * <li>User defined types may not be supported.</li>
   * <li>You don't get compile time type safety.</li>
```

```
    * </ul>

    * It is usually better to use {@link DSL#field(SQL, DataType)}, instead, or
    * even better, use code generation where possible: <a href=
    * "https://blog.jooq.org/why-you-should-use-jooq-with-code-generation/">https://blog.jooq.org/why-you-should-
use-jooq-with-code-generation/</a>,
    * in case of which {@link DataType} information is attached to all
    * {@link Field} expressions automatically.
    * <p>
    * <b>NOTE</b>: When inserting plain SQL into jOOQ objects, you must
    * guarantee syntax integrity. You may also create the possibility of
    * malicious SQL injection. Be sure to properly use bind variables and/or
    * escape literals when concatenated into SQL clauses!
    *
    * @param sql The SQL
    * @return A field wrapping the plain SQL
    * @see SQL
    */
/**
    * Create a "plain SQL" field.
    * <p>
    * A plain SQL field is a field that can contain user-defined plain SQL,
    * because sometimes it is easier to express things directly
 in SQL, for
    * instance complex proprietary functions. There must be as many binding
    * variables contained in the SQL, as passed in the bindings parameter
    * <p>
    * Example:
    * <p>
    *
    * <pre>
    * <code>
    * String sql = "DECODE(MY_FIELD, ?, ?, ?)";
    * Object[] bindings = new Object[] { 1, 100, 200 };</code>
    * </pre>
    * <p>
    * <b>NOTE</b>: A lot of things work less well in jOOQ if no
    * {@link DataType} information is attached to a {@link Field} expression,
    * including:
    * <ul>
    * <li>Some drivers may find it hard to bind <code>NULL</code> values.</li>
    * <li>Some RDBMS may find it hard to infer a type from an expression
    * alone.</li>
    * <li>User defined types may not be supported.</li>
    * <li>You don't get compile time type safety.</li>
    * </ul>
    * It is usually better to use {@link DSL#field(String, DataType, Object...)}, instead,
    * or even better, use code generation where possible:
```

```
 <a href=
    * "https://blog.jooq.org/why-you-should-use-jooq-with-code-generation/">https://blog.jooq.org/why-you-should-use-jooq-with-code-generation/</a>,
    * in case of which {@link DataType} information is attached to all
    * {@link Field} expressions automatically.
    * <p>
    * <b>NOTE</b>: When inserting plain SQL into jOOQ objects, you must
    * guarantee syntax integrity. You may also create the possibility of
    * malicious SQL injection. Be sure to properly use bind variables and/or
    * escape literals when concatenated into SQL clauses!
    *
    * @param sql The SQL
    * @param bindings The bindings for the field
    * @return A field wrapping the plain SQL
    * @see SQL
    * @see DSL#sql(String, Object...)
    */
```

Found in path(s):
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/DSL.java
No license file was found, but licenses were detected in source scan.

```
public DomainConstraint withConstraintCatalog(String value) {
public DomainConstraint withConstraintSchema(String value) {
public DomainConstraint withConstraintName(String value) {
public DomainConstraint withDomainCatalog(String value) {
public DomainConstraint withDomainSchema(String value) {
public DomainConstraint withDomainName(String value) {
```

Found in path(s):
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/util/xml/jaxb/DomainConstraint.java
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```

Found in path(s):
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/tools/Longs.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/tools/Ints.java
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```

Found in path(s):
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/FlywayVersion.java
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```
/**
* This package contains parts of jOOR.
* <p>
* jOOQ has no external dependencies. Nevertheless, some libraries that are
* compatible with jOOQ's Apache License 2.0 are embedded into jOOQ. See the
* jOOR website for more details about jOOR:
* <p>
* <a href="https://github.com/jOOQ/jOOR">https://github.com/jOOQ/jOOR</a>
*/
```

Found in path(s):
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/tools/reflect/package-info.java
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*/
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Found in path(s):
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/util/postgres/PostgresDataType.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/tools/r2dbc/LoggingStatement.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/ArrayPrepend.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/util/yugabytedb/YugabyteDBDataType.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/SelectForJSONCommonDirectivesStep.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/WithAsStep17.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/BetweenAndStep15.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/Generator.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/UpdateResultStep.java

*
/opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/Nullif.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/JSON.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
jar/org/jooq/impl/UpdatableRecordImpl.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
jar/org/jooq/impl/InsertQueryImpl.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
jar/org/jooq/impl/StGeomFromWKB.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
jar/org/jooq/WindowFinalStep.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
jar/org/jooq/ContextTransactionalCallable.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/RegrSlope.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
jar/org/jooq/impl/AlterSequenceImpl.java
*
/opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/UDTRecord.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
jar/org/jooq/impl/XMLAttributesImpl.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
jar/org/jooq/ConstraintForeignKeyReferencesStep4.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/Substring.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
jar/org/jooq/impl/JSONBGetAttributeAsText.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
jar/org/jooq/impl/NotSimilarToQuantified.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
jar/org/jooq/impl/RecordImpl3.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
jar/org/jooq/impl/UDTFieldImpl.java
*
/opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/Decode.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
jar/org/jooq/CreateDomainConstraintStep.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/Function10.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/Left.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/Ceil.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
jar/org/jooq/TransformProvider.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
jar/org/jooq/AlterSequenceFinalStep.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/MergeKeyStep9.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/StIntersects.java
*
/opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
jar/org/jooq/FieldOrRowOrSelect.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/Results.java

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* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
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* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/IDiv.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/ProjectSingleScalarSubquery.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/OctetLength.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/WithAsStep10.java
*
/opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/tools/r2dbc/LoggingBatch.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/ResultQueryTrait.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/LoggingDiagnosticsListener.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/Row15.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/DerivedColumnList19.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/TransactionalPublishable.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/Ge.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/Le.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/WithAsStep13.java
*
/opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/StIsEmpty.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/IfImpl.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/Queries.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/BitSet.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/QueryPart.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/AbstractQueryPart.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/Row10.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/SelectLimitPercentAfterOffsetStep.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/WindowDefinition.java
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* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/ExplainQuery.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/MergeValuesStep21.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/StartsWith.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/WindowBeforeOverStep.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/ParsingDataSource.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/SelectQueryImpl.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/JSONKeys.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/Operator.java
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/opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/UnqualifiedName.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/ParseListener.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/DefaultUnwrapperProvider.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/DropIndexCascadeStep.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/NoField.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/ConstraintForeignKeyReferencesStep21.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/PeriodTable.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/InsertValuesStep17.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/SelectConnectByAfterStartWithStep.java
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* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/Catalog.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/Nullability.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/AbstractAggregateFunction.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/Continue.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/AlterTypeStep.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/CountTable.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/SettingsEnabledPreparedStatement.java
*
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* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
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* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
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* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
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* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
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* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/Unwrapper.java
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* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
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* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
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* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/WithAsStep15.java
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* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/WithAsStep9.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-
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* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/exception/DataException.java
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* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/Alias.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/InsertOnConflictWhereStep.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/AlterTableRenameConstraintToStep.java
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* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/RowEq.java
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* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/AbstractQueryPartMap.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/OrderedAggregateFunction.java
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* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/SelectSeekStep10.java
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* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/Scope.java
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* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/CallbackVisitListener.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/DiagnosticsResultSet.java
* /opt/cola/permits/2309595995_1736245169.9179206/0/jooq-3-19-10-sources-1-jar/org/jooq/impl/RowImpl16.java

1.6822 pax-transx-tm-geronimo 0.5.4

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* /opt/cola/permits/2309595767_1736245497.1247406/0/pax-transx-tm-geronimo-0-5-4-sources-1-jar/META-INF/maven/org.ops4j.pax.transx/pax-transx-tm-geronimo/pom.xml
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* /opt/cola/permits/2309595767_1736245497.1247406/0/pax-transx-tm-geronimo-0-5-4-sources-1-jar/org/ops4j/pax/transx/tm/impl/geronimo/TransactionManagerWrapper.java
*

/opt/cola/permits/2309595767_1736245497.1247406/0/pax-transx-tm-geronimo-0-5-4-sources-1-jar/org/ops4j/pax/transx/tm/impl/geronimo/Activator.java
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1.6823 pax-transx-connector 0.5.4

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* /opt/cola/permits/2309595996_1736245141.080965/0/pax-transx-connector-0-5-4-sources-1-jar/org/ops4j/pax/transx/connector/impl/WrapperNamedXAResource.java
*
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* /opt/cola/permits/2309595996_1736245141.080965/0/pax-transx-connector-0-5-4-sources-1-jar/org/ops4j/pax/transx/connector/SubjectSource.java
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*
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* /opt/cola/permits/2309595996_1736245141.080965/0/pax-transx-connector-0-5-4-sources-1-jar/org/ops4j/pax/transx/connector/impl/PoolConfigMXBean.java
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1.6824 jolokiajsr 1.7.1

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Found in path(s):
* /opt/cola/permits/2309595823_1736245327.0735257/0/jolokia-jsr160-1-7-1-jar/META-INF/maven/org.jolokia/jolokia-jsr160/pom.xml

1.6825 pax-url-aether-support 2.6.14

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Found in path(s):
* /opt/cola/permits/2309596656_1736245384.0582542/0/pax-url-aether-support-2-6-14-sources-1-jar/org/eclipse/aether/internal/impl/PaxLocalRepositoryManager.java

1.6826 pax-transx-tm-atomikos 0.5.4

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* /opt/cola/permits/2309595599_1736245265.9236946/0/pax-transx-tm-atomikos-0-5-4-sources-1-jar/transactions-

defaults.properties
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Found in path(s):
* /opt/cola/permits/2309595599_1736245265.9236946/0/pax-transx-tm-atomikos-0-5-4-sources-1-jar/META-INF/maven/org.ops4j.pax.transx/pax-transx-tm-atomikos/pom.xml
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Found in path(s):
* /opt/cola/permits/2309595599_1736245265.9236946/0/pax-transx-tm-atomikos-0-5-4-sources-1-jar/org/ops4j/pax/transx/tm/impl/atomikos/TransactionManagerWrapper.java
* /opt/cola/permits/2309595599_1736245265.9236946/0/pax-transx-tm-atomikos-0-5-4-sources-1-jar/com/atomikos/logging/LoggerFactory.java
* /opt/cola/permits/2309595599_1736245265.9236946/0/pax-transx-tm-atomikos-0-5-4-sources-1-

jar/org/ops4j/pax/transx/tm/impl/atomikos/Activator.java
*
/opt/cola/permits/2309595599_1736245265.9236946/0/pax-transx-tm-atomikos-0-5-4-sources-1-jar/org/ops4j/pax/transx/tm/impl/atomikos/TransactionManagerService.java
* /opt/cola/permits/2309595599_1736245265.9236946/0/pax-transx-tm-atomikos-0-5-4-sources-1-jar/org/ops4j/pax/transx/tm/impl/atomikos/OsgiAssembler.java

1.6827 pax-url-aether 2.6.14

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* /opt/cola/permits/2309595901_1736245302.4173698/0/pax-url-aether-2-6-14-sources-1-jar/org/ops4j/pax/url/mvn/internal/Activator.java
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Found in path(s):
* /opt/cola/permits/2309595901_1736245302.4173698/0/pax-url-aether-2-6-14-sources-1-jar/org/ops4j/pax/url/mvn/internal/Connection.java
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* /opt/cola/permits/2309595901_1736245302.4173698/0/pax-url-aether-2-6-14-sources-1-jar/org/ops4j/pax/url/mvn/internal/AetherBasedResolver.java
* /opt/cola/permits/2309595901_1736245302.4173698/0/pax-url-aether-2-6-14-sources-1-jar/org/ops4j/pax/url/mvn/internal/ManualWagonProvider.java
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* /opt/cola/permits/2309595901_1736245302.4173698/0/pax-url-aether-2-6-14-sources-1-jar/org/ops4j/pax/url/mvn/MavenResolver.java
* /opt/cola/permits/2309595901_1736245302.4173698/0/pax-url-aether-2-6-14-sources-1-jar/org/ops4j/pax/url/mvn/MavenResolvers.java
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* /opt/cola/permits/2309595901_1736245302.4173698/0/pax-url-aether-2-6-14-sources-1-jar/org/ops4j/pax/url/mvn/internal/wagon/ConfigurableHttpWagon.java
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* /opt/cola/permits/2309595901_1736245302.4173698/0/pax-url-aether-2-6-14-sources-1-jar/org/ops4j/pax/url/mvn/internal/Parser.java
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* /opt/cola/permits/2309595901_1736245302.4173698/0/pax-url-aether-2-6-14-sources-1-jar/org/ops4j/pax/url/mvn/ServiceConstants.java
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* /opt/cola/permits/2309595901_1736245302.4173698/0/pax-url-aether-2-6-14-sources-1-jar/org/ops4j/pax/url/mvn/internal/HttpClients.java
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* /opt/cola/permits/2309595901_1736245302.4173698/0/pax-url-aether-2-6-14-sources-1-jar/org/ops4j/pax/url/mvn/internal/config/MavenConfiguration.java
* /opt/cola/permits/2309595901_1736245302.4173698/0/pax-url-aether-2-6-14-sources-1-jar/org/ops4j/pax/url/mvn/internal/config/MavenConfigurationImpl.java
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* /opt/cola/permits/2309595901_1736245302.4173698/0/pax-url-aether-2-6-14-sources-1-jar/org/ops4j/pax/url/mvn/internal/PaxLocalRepositoryManagerFactory.java
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* /opt/cola/permits/2309595901_1736245302.4173698/0/pax-url-aether-2-6-14-sources-1-jar/org/ops4j/pax/url/mvn/Handler.java
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* /opt/cola/permits/2309595901_1736245302.4173698/0/pax-url-aether-2-6-14-sources-1-jar/org/ops4j/pax/url/mvn/MirrorInfo.java

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* /opt/cola/permits/2309595901_1736245302.4173698/0/pax-url-aether-2-6-14-sources-1-jar/org/ops4j/pax/url/mvn/internal/config/MavenRepositoryURL.java

1.6828 pax-url-wrap 2.6.14

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* /opt/cola/permits/2309595985_1736245291.6354127/0/pax-url-wrap-2-6-14-sources-1-jar/org/ops4j/pax/url/wrap/internal/Configuration.java
* /opt/cola/permits/2309595985_1736245291.6354127/0/pax-url-wrap-2-6-14-sources-1-jar/org/ops4j/pax/url/wrap/internal/Activator.java
* /opt/cola/permits/2309595985_1736245291.6354127/0/pax-url-wrap-2-6-14-sources-1-jar/org/ops4j/pax/url/wrap/internal/ConfigurationImpl.java

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1.6829 jolokia-osgi 1.7.2

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Manifest-Version: 1.0
Bnd-LastModified: 1332231819873
Build-Jdk: 1.6.0_26
Built-By: fangyidong
Bundle-Description: A simple Java toolkit for JSON
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: JSON.simple
Bundle-SymbolicName: com.googlecode.json-simple
Bundle-Version: 1.1.1
Created-By: Apache Maven Bundle Plugin
Export-Package: org.json.simple;uses:="org.json.simple.parser";version="
1.1.1",org.json.simple.parser;uses:="org.json.simple";version="1.1.1"
Tool: Bnd-1.50.0

Found in path(s):
* /opt/cola/permits/2309595766_1736245275.9932861/0/jolokia-osgi-1-7-2-jar/lib/json-simple-1-1-1-jar/META-INF/MANIFEST.MF
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```
<project>
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.googlecode.json-simple</groupId>
  <artifactId>json-simple</artifactId>
  <packaging>bundle</packaging>
  <name>JSON.simple</name>
  <version>1.1.1</version>
  <description>A simple Java toolkit for JSON</description>
  <url>http://code.google.com/p/json-simple/</url>
  <licenses>
    <license>
      <name>The Apache Software License, Version 2.0</name>
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```
<developers>
   <developer>
      <id>Yidong</id>
      <name>Yidong Fang</name>
      <roles>
         <role>architect</role>
         <role>developer</role>
      </roles>
      <timezone>+8</timezone>
   </developer>
</developers>
<scm>
   <connection>scm:svn:http://json-simple.googlecode.com/svn/trunk/</connection>
    <developerConnection>scm:svn:http://json-simple.googlecode.com/svn/trunk/</developerConnection>
   <url>http://json-simple.googlecode.com/svn/trunk/</url>
</scm>

<properties>
   <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
</properties>

<dependencies>
   <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>4.10</version>
   </dependency>
</dependencies>

<build>
   <plugins>
      <plugin>
         <groupId>org.apache.felix</groupId>
         <artifactId>maven-bundle-plugin</artifactId>
         <version>2.3.6</version>
         <extensions>true</extensions>
      </plugin>
      <plugin>
         <groupId>org.apache.maven.plugins</groupId>
         <artifactId>maven-compiler-plugin</artifactId>
         <version>2.3.2</version>
         <configuration>

          <source>1.2</source>
           <target>1.2</target>
         </configuration>
      </plugin>
      <plugin>
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            <groupId>org.apache.maven.plugins</groupId>
            <artifactId>maven-source-plugin</artifactId>
            <version>2.1.2</version>
            <executions>
              <execution>
                <id>attach-sources</id>
                <phase>verify</phase>
                <goals>
                  <goal>jar-no-fork</goal>
                </goals>
              </execution>
            </executions>
          </plugin>
        </plugins>
      </build>

      <profiles>
        <profile>
          <id>release-sign-artifacts</id>
          <activation>
            <property>
              <name>performRelease</name>
              <value>true</value>
            </property>
          </activation>
          <build>
            <plugins>
              <plugin>
                <groupId>org.apache.maven.plugins</groupId>
                 <artifactId>maven-gpg-plugin</artifactId>
                <version>1.4</version>
                <executions>
                  <execution>
                    <id>sign-artifacts</id>
                    <phase>verify</phase>
                    <goals>
                      <goal>sign</goal>
                    </goals>
                  </execution>
                </executions>
              </plugin>
            </plugins>
          </build>
        </profile>
      </profiles>

    </project>
```

Found in path(s):
* /opt/cola/permits/2309595766_1736245275.9932861/0/jolokia-osgi-1-7-2-jar/lib/json-simple-1-1-1-jar/META-INF/maven/com.googlecode.json-simple/json-simple/pom.xml
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```

Found in path(s):
* /opt/cola/permits/2309595766_1736245275.9932861/0/jolokia-osgi-1-7-2-jar/META-INF/maven/org.jolokia/jolokia-jsr160/pom.xml
* /opt/cola/permits/2309595766_1736245275.9932861/0/jolokia-osgi-1-7-2-jar/META-INF/maven/org.jolokia/jolokia-core/pom.xml
* /opt/cola/permits/2309595766_1736245275.9932861/0/jolokia-osgi-1-7-2-jar/META-INF/maven/org.jolokia/jolokia-osgi/pom.xml
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```
Manifest-Version: 1.0
Bnd-LastModified: 1672048589070
Build-Jdk: 1.8.0_352
Built-By: roland
Bundle-Activator: org.jolokia.osgi.JolokiaActivator
Bundle-ClassPath: .,lib/json-simple-1.1.1.jar
Bundle-Description: Jolokia agent exposing JMX via HTTP/JSON
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Jolokia Agent
Bundle-SymbolicName: org.jolokia.osgi
Bundle-Version: 1.7.2
Created-By: Apache Maven Bundle Plugin
Embed-Dependency: json-simple;inline=false,jolokia-core;inline=true,jolo
kia-jsr160;inline=true
Embed-Directory: lib
Embedded-Artifacts: lib/json-simple-1.1.1.jar;g="com.googlecode.json-sim
ple";a="json-simple";v="1.1.1"
```

Export-Package: org.jolokia.osgi.security;uses:="javax.servlet.http,org.
jolokia.util,org.osgi.service.http,org.jolokia.restrictor,javax.managem
ent,org.osgi.framework,javax.security.auth.callback,javax.security.auth
,javax.security.auth.login,org.osgi.util.tracker";version="1.7.2",org.j
olokia.osgi.servlet;uses:="org.osgi.service.http,org.osgi.framework,jav
ax.servlet";version="1.7.2",org.jolokia.restrictor;uses:="javax.managem
ent,javax.xml.parsers,org.w3c.dom,org.xml.sax";version="1.7.2",org.jolo
kia.util;uses:="javax.servlet.http,javax.xml.datatype,javax.management,
javax.management.relation,javax.crypto,javax.crypto.spec,javax.security
.auth.callback";version="1.7.2",org.jolokia.converter;uses:="org.joloki
a.converter.object,org.jolokia.converter.json";version="1.7.2",org.jolo
kia.converter.json;uses:="org.jolokia.converter.object,javax.management
,org.jolokia.util,javax.management.openmbean";version="1.7.2",org.jolok
ia.converter.object;uses:="javax.management.openmbean,org.jolokia.util,
javax.management";version="1.7.2"
Import-Package: javax.crypto,javax.crypto.spec,javax.management,javax.ma
nagement.openmbean,javax.management.relation,javax.management.remote,ja
vax.naming,javax.rmi.ssl,javax.security.auth,javax.security.auth.callba
ck,javax.security.auth.login,javax.servlet,javax.servlet.http,javax.xml
,javax.xml.datatype,javax.xml.parsers,org.jolokia.converter;version="[1
.7,2)",org.jolokia.osgi.servlet;version="1.7.2",org.jolokia.restrictor;
version="1.7.2",org.jolokia.util;version="1.7.2",org.osgi.framework;ver
sion="[1.0.0,2.0.0)",org.osgi.service.cm;version="[1.0.0,2.0.0)";resolu
tion:=optional,org.osgi.service.http;version="[1.0.0,2.0.0)";resolution
:=optional,org.osgi.service.log;version="[1.0.0,2.0.0)",org.osgi.util.t
racker;version="[1.0.0,2.0.0)",org.w3c.dom,org.xml.sax
Tool: Bnd-1.50.0

Found in path(s):
* /opt/cola/permits/2309595766_1736245275.9932861/0/jolokia-osgi-1-7-2-jar/META-INF/MANIFEST.MF

1.6830 pax-transx-tm-api 0.5.4

1.6830.1 Available under license :

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Found in path(s):
* /opt/cola/permits/2309596764_1736245126.6260176/0/pax-transx-tm-api-0-5-4-sources-1-jar/META-INF/maven/org.ops4j.pax.transx/pax-transx-tm-api/pom.xml
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Found in path(s):
* /opt/cola/permits/2309596764_1736245126.6260176/0/pax-transx-tm-api-0-5-4-sources-1-jar/org/ops4j/pax/transx/tm/ResourceFactory.java
* /opt/cola/permits/2309596764_1736245126.6260176/0/pax-transx-tm-api-0-5-4-sources-1-jar/org/ops4j/pax/transx/tm/LastResource.java
* /opt/cola/permits/2309596764_1736245126.6260176/0/pax-transx-tm-api-0-5-4-sources-1-jar/org/ops4j/pax/transx/tm/NamedResource.java
* /opt/cola/permits/2309596764_1736245126.6260176/0/pax-transx-tm-api-0-5-4-sources-1-jar/org/ops4j/pax/transx/tm/Transaction.java
* /opt/cola/permits/2309596764_1736245126.6260176/0/pax-transx-tm-api-0-5-4-sources-1-jar/org/ops4j/pax/transx/tm/TransactionManager.java
* /opt/cola/permits/2309596764_1736245126.6260176/0/pax-transx-tm-api-0-5-4-sources-1-jar/org/ops4j/pax/transx/tm/Status.java

1.6831 pax-swissbox-property 1.8.5

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Found in path(s):
* /opt/cola/permits/2309596175_1736244836.7859712/0/pax-swissbox-property-1-8-5-sources-1-jar/org/ops4j/pax/swissbox/property/BundleContextPropertyResolver.java

1.6832 pax-transx-jms 0.5.4

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```

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* /opt/cola/permits/2309595958_1736245482.9296806/0/pax-transx-jms-0-5-4-sources-1-jar/org/ops4j/pax/transx/jms/ManagedConnectionFactoryBuilder.java
* /opt/cola/permits/2309595958_1736245482.9296806/0/pax-transx-jms-0-5-4-sources-1-jar/org/ops4j/pax/transx/jms/impl/JMSProducerImpl.java
* /opt/cola/permits/2309595958_1736245482.9296806/0/pax-transx-jms-0-5-4-sources-1-jar/org/ops4j/pax/transx/jms/impl/ConnectionRequestInfoImpl.java
* /opt/cola/permits/2309595958_1736245482.9296806/0/pax-transx-jms-0-5-4-sources-1-jar/org/ops4j/pax/transx/jms/impl/SessionImpl.java
* /opt/cola/permits/2309595958_1736245482.9296806/0/pax-transx-jms-0-5-4-sources-1-jar/org/ops4j/pax/transx/jms/impl/ConnectionImpl.java
* /opt/cola/permits/2309595958_1736245482.9296806/0/pax-transx-jms-0-5-4-sources-1-jar/org/ops4j/pax/transx/jms/impl/TransxConnectionFactory.java
* /opt/cola/permits/2309595958_1736245482.9296806/0/pax-transx-jms-0-5-4-sources-1-jar/org/ops4j/pax/transx/jms/impl/ManagedConnectionImpl.java
* /opt/cola/permits/2309595958_1736245482.9296806/0/pax-transx-jms-0-5-4-sources-1-jar/org/ops4j/pax/transx/jms/impl/JMSConsumerImpl.java
* /opt/cola/permits/2309595958_1736245482.9296806/0/pax-transx-jms-0-5-4-sources-1-jar/org/ops4j/pax/transx/jms/impl/ManagedConnectionFactoryImpl.java
* /opt/cola/permits/2309595958_1736245482.9296806/0/pax-transx-jms-0-5-4-sources-1-jar/org/ops4j/pax/transx/jms/impl/Utils.java
* /opt/cola/permits/2309595958_1736245482.9296806/0/pax-transx-jms-0-5-4-sources-1-jar/org/ops4j/pax/transx/jms/impl/JMSContextImpl.java
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```

Found in path(s):
* /opt/cola/permits/2309595958_1736245482.9296806/0/pax-transx-jms-0-5-4-sources-1-jar/META-INF/maven/org.ops4j.pax.transx/pax-transx-jms/pom.xml

1.6833 jackson-dataformat-toml 2.14.0

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1.6834 pax-url-classpath 2.6.14

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* /opt/cola/permits/2309595877_1736245358.55946/0/pax-url-classpath-2-6-14-sources-1-jar/org/ops4j/pax/url/classpath/internal/Activator.java
* /opt/cola/permits/2309595877_1736245358.55946/0/pax-url-classpath-2-6-14-sources-1-jar/org/ops4j/pax/url/classpath/internal/Parser.java
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* /opt/cola/permits/2309595877_1736245358.55946/0/pax-url-classpath-2-6-14-sources-1-jar/org/ops4j/pax/url/classpath/ServiceConstants.java
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* /opt/cola/permits/2309595877_1736245358.55946/0/pax-url-classpath-2-6-14-sources-1-jar/org/ops4j/pax/url/classpath/Handler.java

1.6835 jooq-meta-extensions 3.19.10

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*
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*

```
*
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*
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*
*
*/
/**
* The DDL database.
* <p>
* This meta data source parses a set of SQL scripts, translates them to the H2
* dialect and runs them on an in-memory H2 database before reverse engineering
* the outcome.
* <p>
* The SQL scripts are located in the <code>scripts</code> scripts property
* available from {@link #getProperties()}.
*
* @author Lukas Eder
*/
```

Found in path(s):
* /opt/cola/permits/2309596097_1736245066.1035445/0/jooq-meta-extensions-3-19-10-sources-1-jar/org/jooq/meta/extensions/ddl/DDLDatabase.java
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```

```
*
*
*
 *
*
*
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*
*
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*
*
*
*
*/
```

Found in path(s):
* /opt/cola/permits/2309596097_1736245066.1035445/0/jooq-meta-extensions-3-19-10-sources-1-jar/org/jooq/meta/extensions/AbstractInterpretingDatabase.java
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```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">

  <modelVersion>4.0.0</modelVersion>

  <parent>
    <groupId>org.jooq</groupId>
    <artifactId>jooq-parent</artifactId>
    <version>3.19.10</version>
  </parent>

  <artifactId>jooq-meta-extensions</artifactId>
  <name>jOOQ Meta Extensions</name>

  <licenses>
    <license>
      <name>Apache License, Version 2.0</name>
      <url>http://www.jooq.org/inc/LICENSE.txt</url>
      <distribution>repo</distribution>
    </license>
```

```
  </licenses>

  <build>
    <plugins>
      <plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-jar-plugin</artifactId>
        <configuration>

     <archive>
              <manifestEntries>
                <Automatic-Module-Name>org.jooq.meta.extensions</Automatic-Module-Name>
              </manifestEntries>
            </archive>
        </configuration>
      </plugin>
    </plugins>
  </build>

  <dependencies>
    <dependency>
      <groupId>org.jooq</groupId>
      <artifactId>jooq-meta</artifactId>
    </dependency>
    <dependency>
      <groupId>com.h2database</groupId>
      <artifactId>h2</artifactId>
    </dependency>
    <dependency>
      <groupId>org.jetbrains</groupId>
      <artifactId>annotations</artifactId>
      <scope>provided</scope>
      <optional>true</optional>
    </dependency>









  </dependencies>
</project>
```

Found in path(s):

* /opt/cola/permits/2309596097_1736245066.1035445/0/jooq-meta-extensions-3-19-10-sources-1-jar/META-INF/maven/org.jooq/jooq-meta-extensions/pom.xml

1.6836 neo4j-java-driver 5.14.0

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1.6837 pax-url-commons 2.6.14

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```

Found in path(s):
* /opt/cola/permits/2309596948_1736245447.5976765/0/pax-url-commons-2-6-14-sources-1-jar/org/ops4j/pax/url/commons/handler/HandlerActivator.java
* /opt/cola/permits/2309596948_1736245447.5976765/0/pax-url-commons-2-6-14-sources-1-jar/org/ops4j/pax/url/commons/handler/ConnectionFactory.java

1.6838 pax-url-war 2.6.14

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* /opt/cola/permits/2309596110_1736244967.946805/0/pax-url-war-2-6-14-sources-1-jar/org/ops4j/pax/url/webbundle/Handler.java
* /opt/cola/permits/2309596110_1736244967.946805/0/pax-url-war-2-6-14-sources-1-jar/org/ops4j/pax/url/war/Handler.java
* /opt/cola/permits/2309596110_1736244967.946805/0/pax-url-war-2-6-14-sources-1-jar/org/ops4j/pax/url/warref/Handler.java
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* /opt/cola/permits/2309596110_1736244967.946805/0/pax-url-war-2-6-14-sources-1-jar/org/ops4j/pax/url/war/internal/ConfigurationImpl.java
* /opt/cola/permits/2309596110_1736244967.946805/0/pax-url-war-2-6-14-sources-1-jar/org/ops4j/pax/url/war/ServiceConstants.java
* /opt/cola/permits/2309596110_1736244967.946805/0/pax-url-war-2-6-14-sources-1-jar/org/ops4j/pax/url/war/internal/Configuration.java
*

/opt/cola/permits/2309596110_1736244967.946805/0/pax-url-war-2-6-14-sources-1-jar/org/ops4j/pax/url/war/internal/WarConnection.java
* /opt/cola/permits/2309596110_1736244967.946805/0/pax-url-war-2-6-14-sources-1-jar/org/ops4j/pax/url/war/internal/WarReferenceConnection.java
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Found in path(s):
* /opt/cola/permits/2309596110_1736244967.946805/0/pax-url-war-2-6-14-sources-1-jar/org/ops4j/pax/url/war/internal/WebBundleConnection.java
* /opt/cola/permits/2309596110_1736244967.946805/0/pax-url-war-2-6-14-sources-1-jar/org/ops4j/pax/url/war/internal/AbstractConnection.java
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Found in path(s):
* /opt/cola/permits/2309596110_1736244967.946805/0/pax-url-war-2-6-14-sources-1-jar/org/ops4j/pax/url/war/internal/Activator.java

1.6839 pgconn 1.8.0

1.6839.1 Available under license :

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1.6840 aws-sdk-go-v2-service-sso 1.22.4

1.6840.1 Available under license :

```
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]
```

```
  steps:
    - name: Checkout target
      uses: actions/checkout@v2
      with:
        path: sdkbase
        ref: ${{ github.base_ref }}
    - name: Checkout this ref
      uses: actions/checkout@v2
      with:
        path: new-ref
        fetch-depth: 0
    - name: Get Diff
      run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
    - name: Get Target Files
      run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
    - name: Checkout scancode
      uses: actions/checkout@v2
      with:
        repository: nexB/scancode-toolkit
        path: scancode-toolkit
        fetch-depth: 1
    - name: Set up Python ${{ matrix.python-version }}
       uses: actions/setup-python@v2
      with:
        python-version: ${{ matrix.python-version }}
    # ScanCode
    - name: Self-configure scancode
      working-directory: ./scancode-toolkit
      run: ./scancode --help
    - name: Run Scan code on target
      run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
    - name: Run Scan code on pr ref
      run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
CreateLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
```

setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
ListReceivedLicenses
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2

```
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
```

```
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData
```

```
// Date and time at which the license checkout expires.
Expiration *string

// Date and time at which the license checkout is issued.
IssuedAt *string

// Amazon Resource Name (ARN) of the checkout license.
LicenseArn
*string

// License consumption token.
LicenseConsumptionToken *string

// Node ID.
NodeId *string

// Signed token.
SignedToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
```

```
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
```

```
 return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
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package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
```

```
 return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.Entitlement

 // Home Region for the license.
 //
 // This member is required.
 HomeRegion *string

 // License issuer.
 //
 // This member is required.
 Issuer *types.Issuer

 // License name.
 //
 // This member is required.
 LicenseName *string
```

```
 // Product name.
 //
 // This member is required.
 ProductName *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // Date and time range during which the license is valid, in ISO8601-UTC format.
 //
 // This member is required.
 Validity *types.DatetimeRange

 // Information about
 the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
```

```
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if
err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return
```

```
 err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName:
 "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
```

```
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
```

```
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
 err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
```

```
 return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil
 {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata
```

```
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
CheckoutLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
DisassociateLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
```

OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckoutBorrowLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step

ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AssociateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody

```
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
```

```
  - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
```

```
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err
= smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
```

```
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
```

```
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
```

```
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err
!= nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
```

```
 return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpGetLicenseValidationMiddleware(stack);
 err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
```

```
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string
```

```
 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
```

```
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack,
options); err != nil {
 return err
}
if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
ListLicenses
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
```

RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AWS SDK for Go
Copyright 2015 Amazon.com, Inc. or its affiliates. All Rights Reserved.
Copyright 2014-2015 Stripe, Inc.
{
"smithy": "2.0",
"shapes": {
"com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
"type": "long"
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"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
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"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
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"errors": [
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions \n\t\t\tregistered to your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/DeregisterSubscriptionProvider"
},

"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the subscription provider resource to deregister. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of name to filter by. "
}
},
"Values": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " One or more values for the name to filter by. "
}
},
"Operator": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
"traits": {
"smithy.api#documentation": " An operator for filtering results. "
}
}
},

"traits": {
"smithy.api#documentation": " A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Get details for a Bring Your Own License (BYOL) subscription that's registered to your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetRegisteredSubscriptionProvider"
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"smithy.api#idempotent": {}
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"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
"type": "structure",

"members": {
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation":
" The Amazon Resource Name (ARN) of the BYOL registration resource to get details for. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) for the BYOL registration resource specified in the request. "
}
},
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

"traits": {
"smithy.api#documentation": " The subscription provider for the BYOL registration resource specified \n\t\t\tin the request. "
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " The status of the Linux subscription provider access token from the last \n\t\t\tsuccessful subscription data request. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The detailed message from your subscription provider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time License Manager retrieved subscription details \n\t\t\tfrom your registered third-party Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#output": {}
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
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"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
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"errors": [
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
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"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions service settings for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetServiceSettings"
},
"smithy.api#idempotent": {}
}
},

"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
"type": "structure",
"members": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " Lists
the settings defined for Linux subscriptions discovery. The settings include if\n Organizations integration has
been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being
applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings
current status. "
}
},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated
data for Linux\n subscriptions. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
"type": "structure",
"members": {
"AmiId": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The AMI ID used to launch the instance. "
}
},
"InstanceID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The instance ID of the resource. "
}
},
"InstanceType": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The instance type of the resource. "
}
},
"AccountID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The account ID which owns the instance. "
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the instance. "
}
},
"Region": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},
"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",

"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the license subscription that the instance uses. "
}
},
"OsVersion": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The operating system software version that runs on your instance. "
}
},
"SubscriptionProviderCreateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp when you registered the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses. "
}
},
"SubscriptionProviderUpdateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that the instance synced with the registered \n\t\t\tthird-party Linux subscription provider. "
}
},
"DualSubscription": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Indicates that you have two different license subscriptions for \n\t\t\tthe same software on your instance. "
}
},
"RegisteredWithSubscriptionProvider": {

"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " Indicates that your instance uses a BYOL license subscription from \n\t\t\ta third-party Linux subscription provider that you've registered with License Manager. "
}
}
},
"traits": {
"smithy.api#documentation": " Details discovered information about a running instance using Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation":
" An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
"type": "service",
"version": "2018-05-10",
"operations": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
},

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    {
      "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
    },
    {
      "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
    },
    {
      "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
    },
    {
      "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
    },
    {
      "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
    },
    {
      "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
    },
    {
      "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
    }
  ],
  "traits": {
    "aws.api#service": {
      "sdkId": "License Manager Linux Subscriptions",
      "arnNamespace": "license-manager-linux-subscriptions",
      "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
    },
    "aws.auth#sigv4": {
      "name": "license-manager-linux-subscriptions"
    },
    "aws.protocols#restJson1": {},
    "smithy.api#cors": {
      "additionalAllowedHeaders": [
        "*",
        "content-type",
        "x-amz-content-sha256",
        "x-amz-user-agent",
        "x-amzn-platform-id",
        "x-amzn-trace-id"
      ],
      "additionalExposedHeaders": [
        "x-amzn-errortype",
        "x-amzn-requestid",
        "x-amzn-trace-id"
      ]
    },
    "smithy.api#documentation": "<p>With License Manager,
```

you can discover and track your commercial Linux subscriptions on running\n Amazon EC2 instances.</p>",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
},
"rules": [
{
"conditions": [
{
"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
]
}
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"rules": [
{

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                        "argv": [
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                                "ref": "UseFIPS"
                            },
                            true
                        ]
                    }

        ],
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                "type": "error"
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                "conditions": [],
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                                "argv": [
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                                        "ref": "UseDualStack"
                                    },
                                    true
                                ]

}
                        ],
                        "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                        "type": "error"
                    },
                    {
                        "conditions": [],
                        "endpoint": {
                            "url": {
                                "ref": "Endpoint"
                            },
                            "properties": {},
                            "headers": {}
                        },
                        "type": "endpoint"
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                "type": "tree"
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    }
    ],
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                    "argv": [
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                            "ref": "Region"
                        }
                    ]
                }
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                                {
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                            "assign": "PartitionResult"
                        }
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                                        true
                                    ]
                                },
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                                    "fn": "booleanEquals",
                                    "argv": [
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                                        "ref": "PartitionResult"

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                                ]
                            }
                        ]
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                        "fn": "booleanEquals",
                        "argv": [
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                            {
                                "fn": "getAttr",
                                "argv": [

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                                        "ref": "PartitionResult"
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                                    "supportsDualStack"
                                ]
                            }
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                ],
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                    {
                        "conditions": [],
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"rules": [
{
"conditions": [],
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"url": "https://license-manager-linux-subscriptions-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
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"type": "tree"
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"type": "tree"
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{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
],
"type": "tree"
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"conditions": [
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"argv": [
{
"ref": "UseFIPS"
},
true
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}
],
"rules": [
{
"conditions": [
{

"fn": "booleanEquals",
"argv": [
{

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                    "fn": "getAttr",
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                            "ref": "PartitionResult"
                        },
                        "supportsFIPS"
                    ]
                },
                true

            ]
                }
            ],
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                    "rules": [
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                            "conditions": [],
                            "endpoint": {
                                "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",

    "properties": {},
                                "headers": {}
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                            "type": "endpoint"
                        }
                    ],
                    "type": "tree"
                }
            ],
            "type": "tree"
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            "conditions": [],
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 but this partition does not support FIPS",
            "type": "error"
        }
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                                {
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                                    "argv": [
                                        {

                                        "ref": "PartitionResult"
                                        },
                                        "supportsDualStack"
                                    ]
                                }
                            ]
                        }
                    ],
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                        {
                            "conditions": [],
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{
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subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                        "properties": {},
                                        "headers": {}
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                                }
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                }
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"type": "error"
}
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"type": "tree"
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"conditions": [],
"rules": [
{
"conditions": [],
"endpoint": {
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subscriptions.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
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],
"type": "tree"
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"type": "tree"
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"type": "tree"
},
{
"conditions": [],
"error": "Invalid Configuration: Missing Region",
"type": "error"
}
],
"type": "tree"
}
]
},
"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {

"url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"

}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
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"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
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}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,

"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},
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"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {

"url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{

"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
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"endpoint": {
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}

},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true

}
},
{

"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {

"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {

"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
}
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"params": {
"Region": "us-iso-east-1",
"UseFIPS":
false,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},

"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}

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                },
                {

                    "documentation": "For custom endpoint with fips enabled and dualstack disabled",
                    "expect": {
                        "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
                    },
                    "params": {
                        "Region": "us-east-1",
                        "UseFIPS": true,
                        "UseDualStack": false,
                        "Endpoint": "https://example.com"
                    }
                },
                {
                    "documentation": "For custom endpoint with fips disabled and dualstack enabled",
                    "expect": {
                        "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
                    },
                    "params": {

"Region": "us-east-1",
                        "UseFIPS": false,
                        "UseDualStack": true,
                        "Endpoint": "https://example.com"
                    }
                },
                {
                    "documentation": "Missing region",
                    "expect": {
                        "error": "Invalid Configuration: Missing Region"
                    }
                }
                ],
                "version": "1.0"
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "Enabled",
                    "value": "Enabled",
                    "documentation": "Enabled LinuxSubscriptionsDiscovery"
```

```
      },
            {
              "name": "Disabled",
              "value": "Disabled",
              "documentation": "Disabled LinuxSubscriptionsDiscovery"
            }
          ]
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
        "type": "structure",
        "members": {
          "SourceRegions": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
            "traits": {
              "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
              "smithy.api#required": {}
            }
          },
          "OrganizationIntegration": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
            "traits": {
              "smithy.api#documentation":
 "<p>Details if you have enabled resource discovery across your accounts in Organizations.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
          },

  {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the running Amazon EC2 instances that were discovered with
commercial Linux\n      subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListLinuxSubscriptionInstances"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "Instances"
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":
 {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results by your
specified criteria. \n    \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the
\n    \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n
\t<code>Value</code>, such as <code>us-west</code>.</p>\n        <p>For each filter, you can specify one of the
following values for the <code>Name</code> key \n    \tto streamline results:</p>\n        <ul>\n            <li>\n
   <p>\n                <code>AccountID</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
      <code>AmiID</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>DualSubscription</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>InstanceID</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>InstanceType</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>ProductCode</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>Region</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>Status</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>UsageOperation</code>\n            </p>\n            </li>\n        </ul>\n        <p>For each filter, you can use
one of the following <code>Operator</code>
 values to \n  \t\tdefine the behavior of the filter:</p>\n        <ul>\n            <li>\n            <p>\n
<code>contains</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>equals</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>Notequal</code>\n            </p>\n            </li>\n        </ul>"
```

```
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>A token to specify where to
 start paginating. This \n\tis the nextToken from a previously truncated response.</p>",
              "smithy.api#length": {
                "min": 1,
                "max": 16384
              }
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
        "type": "structure",
        "members": {
          "Instances": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
            "traits": {
              "smithy.api#documentation": "<p>An array that contains instance objects.</p>"
            }
          },
          "NextToken": {

       "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
        "type": "operation",
        "input": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptions"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",

"items": "Subscriptions"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't match a certain subscription's name. \n The valid names for this filter are: \n \n \n \n <code>Subscription</code>\n \n \n \n The

valid Operators for this filter are: \n \n \n \n
<code>contains</code>\n \n \n \n \n
<code>equals</code>\n \n \n \n \n
<code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis
the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
"type": "structure",
"members": {
"Subscriptions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
"traits": {
"smithy.api#documentation": " An array that contains subscription objects. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects. "
}
}
}
},

"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
"type": "operation",
"input": {
"target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
},
"output": {
"target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List Bring Your Own License (BYOL) subscription registration
resources for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListRegisteredSubscriptionProviders"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "RegisteredSubscriptionProviders"
}
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
"type": "structure",
"members": {
"SubscriptionProviderSources": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
"traits": {
"smithy.api#documentation": " To filter your results, specify which subscription providers to
return \n\t\t\tin the list. "

```
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>The maximum items to return in a request.</p>",
              "smithy.api#range": {
                "min": 1,
                "max": 100
              }
            }

  },
          "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis the
nextToken from a previously truncated response.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
        "type": "structure",
        "members": {
          "RegisteredSubscriptionProviders": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
            "traits": {
              "smithy.api#documentation": "<p>The list of BYOL registration resources that fit the criteria
\n\t\t\tyou specified in the request.</p>"
            }
          },

           "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
```

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse"
      },
      "errors": [
        {

     "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
        },
        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
        },
        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
        }
      ],
      "traits": {
        "smithy.api#documentation": "<p>List the metadata tags that are assigned to the \n\t\t\tspecified Amazon
Web Services resource.</p>",
        "smithy.api#http": {
          "method": "GET",
          "uri": "/tags/{resourceArn}"
        },
        "smithy.api#readonly": {}
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
      "type": "structure",
      "members": {
        "resourceArn": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
           "traits": {
            "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource for which to
list metadata tags.</p>",
            "smithy.api#httpLabel": {},
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
```

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    "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags for the requested resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "EQUAL",
                    "value": "Equal",
                    "documentation": "Equal operator"
                },
                {
                    "name": "NOT_EQUAL",
                    "value": "NotEqual",
                    "documentation": "Not equal operator"
                },
                {
                    "name": "CONTAINS",
                    "value": "Contains",
                    "documentation": "Contains operator"
                }
            ],
            "smithy.api#length": {
                "min": 1,
                "max": 20
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "Enabled",
                    "value": "Enabled",
```

"documentation": "Enabled OrganizationIntegration"
},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled OrganizationIntegration"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
"type": "list",
"member": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Register the supported third-party subscription provider for your Bring Your Own License (BYOL) subscription. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/RegisterSubscriptionProvider"

},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {

"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " The supported Linux subscription provider to register. ",
"smithy.api#required": {}
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the secret where you've stored your subscription provider's access token. For \n\t\t\tRHEL subscriptions managed through the Red Hat Subscription Manager (RHSM), the secret contains \n\t\t\tyour Red Hat Offline token. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to your registered Linux subscription provider \n\t\t\tresource. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " The Linux subscription provider that you registered. "
}
},
"SubscriptionProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "
}
},
"SubscriptionProviderStatus": {

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " Indicates the status of the registration action for the Linux subscription provider \n\t\t\tthat you requested. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "
}
},
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " A supported third-party Linux subscription provider. License Manager currently supports \n\t\t\tRed Hat subscriptions. "
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Secrets Manager secret that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is the offline token. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " Indicates the status of your registered Linux subscription provider access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions, \n\t\t\tthis is the status of the offline token. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits":

{
"smithy.api#documentation": " A detailed message that's associated with your BYOL subscription \n\t\t\tprovider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that License Manager accessed third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#documentation": " A third-party provider for operating system (OS) platform software and license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider, License Manager can get subscription data from the registered provider. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " Unable to find the requested Amazon Web Services resource. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-\\.]{0,63}:secret:[^/]{1,1023}$"

}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
"type": "string",

```
    "traits": {
      "smithy.api#enum": [
        {
          "name": "InProgress",
          "value": "InProgress",
          "documentation": "InProgress status"
        },
        {
          "name": "Completed",
          "value": "Completed",
          "documentation": "Completed status"
        },
        {
          "name": "Successful",
          "value": "Successful",
          "documentation": "Successful status"
        },
        {
          "name": "Failed",
          "value": "Failed",
          "documentation": "Failed status"
        }
      ]
    }
  },

  "com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
    "type": "list",
    "member": {
      "target": "smithy.api#String",
      "traits": {
        "smithy.api#length": {
          "min": 1,
          "max": 100
        }
      }
    },
    "traits": {
      "smithy.api#length": {
        "min": 1,
        "max": 100
      },
      "smithy.api#uniqueItems": {}
    }
  },
  "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
    "type": "map",
    "key": {
```

"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
"type": "structure",
"members": {
"Name":
{
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the subscription. "
}
},
"Type": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS. "
}
},
"InstanceCount": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
"traits": {
"smithy.api#documentation": " The total amount of running instances using this subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " An object which details a discovered Linux subscription. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [

{
                "name": "RedHat",
                "value": "RedHat",
                "documentation": "RedHat subscription provider namespace"
            }
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "ACTIVE",
                    "value": "ACTIVE",
                    "documentation": "ACTIVE status"
                },
                {
                    "name": "INVALID",
                    "value": "INVALID",

  "documentation": "INVALID status"
                },
                {
                    "name": "PENDING",
                    "value": "PENDING",
                    "documentation": "PENDING status"
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
        "type": "list",
        "member": {
            "target": "smithy.api#String"
```

```
        },
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Add metadata tags to the specified Amazon Web Services
resource.</p>",
            "smithy.api#http": {
                "method": "PUT",
                "uri": "/tags/{resourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
        "type": "structure",
        "members":
 {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to which to add the specified \n\t\t\tmetadata tags.</p>",
                    "smithy.api#httpLabel": {},
```

"smithy.api#required": {}
}
},
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to the Amazon Web Services resource. Tags are \n\t\t\tformatted as key value pairs. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {

"smithy.api#documentation":
" The request was denied due to request throttling. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
}
],
"traits": {
"smithy.api#documentation": " Remove one or more metadata tag from the specified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "DELETE",
"uri": "/tags/{resourceArn}"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
"type": "structure",
"members": {
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to remove the metadata tags from. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"tagKeys": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
"traits": {

"smithy.api#documentation": " A list of metadata tag keys to remove from the requested \n\t\t\tresource. ",
"smithy.api#httpQuery": "tagKeys",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates the service settings for Linux subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/UpdateServiceSettings"
},
"smithy.api#idempotent": {}
}
},

"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Describes if the discovery of Linux subscriptions is enabled. ",
"smithy.api#required": {}
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. ",
"smithy.api#required": {}
}
},
"AllowUpdate": {
"target": "smithy.api#Boolean",
"traits": {
"smithy.api#documentation": " Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}

},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The provided input is not valid. Try your request again. ",
"smithy.api#error": "client"
}
}
}
}

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
```

```
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
```

```
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err !=
 nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
```

```
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil
 {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
```

}
DeleteLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
GetLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step

```
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
```

```
 return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
```

```
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }
```

```
if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return
err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
```

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```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string
```

```
 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if
 err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
```

```
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil
 {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
```

```
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
 }
}
```

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```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
```

```
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string
```

```
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack,
 options, "ListLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
```

```
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack);
 err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:
```

ServiceID,
OperationName: "ListLicenses",
}
}
CheckInLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
{
"smithy": "2.0",
"shapes": {
"com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"

```
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
        "type": "structure",
        "members": {
            "DirectoryId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation":
"<p>Details about an Active Directory identity provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Associates the user to an EC2 instance to utilize user-based
subscriptions.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related
costs will take 48\n        hours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing
status) in Amazon Web Services Billing. For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n
        monthly charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/AssociateUser"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the
 EC2 instance, which provides user-based subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>The identity provider of the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
```

"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request couldn't be completed because it conflicted with the current state of the\n resource. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deregisters the identity provider from providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/DeregisterIdentityProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
```

```
        "type": "structure",
        "members": {
          "IdentityProviderSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
            "traits": {
              "smithy.api#documentation":
 "<p>Metadata that describes the results of an identity provider operation.</p>",
              "smithy.api#required": {}
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
           },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
          "smithy.api#http": {
            "code": 200,
```

```
                "method": "POST",
                "uri": "/user/DisassociateUser"
            },
            "smithy.api#idempotent": {}
        }

    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation":
 "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
        "type": "structure",
        "members": {
            "InstanceUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
```

"smithy.api#required": {}
}
}
}
},

"com.amazonaws.licensemanagerusersubscriptions#Filter": {
"type": "structure",
"members": {
"Attribute": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of an attribute to use as a filter. "
}
},
"Operation": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of search (For example, eq, geq, leq) "
}
},
"Value": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Value of the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used
to return more specific results from a describe\n operation. Filters can be used to match a set of resources by
specific criteria, such as tags,\n attributes, or IDs. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
}
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"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
"type": "union",
"members": {
"ActiveDirectoryIdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
"traits": {
"smithy.api#documentation": " An object that details an Active Directory identity provider. "
}

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            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>Details about an identity provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Settings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
                "traits": {
                    "smithy.api#documentation": "<p>An object that details the registered identity providers product
related configuration\n      settings such as the subnets to provision VPC endpoints.</p>",
                    "smithy.api#required":
 {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of an identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "FailureMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The failure message associated with an identity provider.</p>"
                }
            }
        },
        "traits": {
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"smithy.api#documentation":
" Describes an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
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},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of an EC2 instance resource. ",
"smithy.api#required": {}
}
},
"Products": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
"traits": {
"smithy.api#documentation": " A list of provided user-based subscription products. ",
"smithy.api#required": {}
}
},
"LastStatusCheckDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date of the last status check. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for an EC2 instance. "
}

```
    }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
        }
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    "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits":
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                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of a user associated with an EC2 instance.</p>",
                    "smithy.api#required": {}
                }
            },
            "StatusMessage": {
                "target": "smithy.api#String",
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```
            "traits": {
                "smithy.api#documentation": "<p>The status message for users of an EC2 instance.</p>"
            }
        },
        "Domain": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The domain name of the user.</p>"
            }
        },
        "AssociationDate": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The date a user was associated with an EC2 instance.</p>"
            }
        },
        "DisassociationDate": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The date a user was disassociated from an EC2 instance.</p>"
            }
        }

    },
        "traits": {
            "smithy.api#documentation": "<p>Describes users of an EC2 instance providing user-based
subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
            "smithy.api#error": "server"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
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"type": "service",

"version": "2018-05-10",
"operations": [
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"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"

},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
}
],
"traits": {
"aws.api#service": {
"sdkId": "License Manager User Subscriptions",
"arnNamespace": "license-manager-user-subscriptions",
"cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
},
"aws.auth#sigv4": {
"name": "license-manager-user-subscriptions"

},
"aws.protocols#restJson1": {},
"smithy.api#cors": {
"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id",
"content-length",
"x-api-key",
"authorization",
"x-amz-date",
"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"

]
},
"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n a per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",

"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}

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"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
]
}
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"type": "tree",
"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"
},

true
]
}
],
"error": "Invalid Configuration: FIPS and custom endpoint are not supported",
"type": "error"
},
{
"conditions": [
{
"fn": "booleanEquals",

"argv": [
{
"ref": "UseDualStack"
},
true
]
}
],

"error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
"type": "error"
},
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"conditions": [],
"endpoint": {
"url": {
"ref": "Endpoint"
},
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
},
{
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"fn": "isSet",
"argv": [

{
"ref": "Region"
}
]
}
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"conditions": [
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"fn": "aws.partition",
"argv": [
{
"ref": "Region"
}
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                        "argv": [
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                                "ref": "UseFIPS"
                            },
                            true
                        ]
                    },
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            {
                                "ref": "UseDualStack"

                            },
                            true
                        ]
                    }
                ],
                "type": "tree",
                "rules": [
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                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    true,
                                    {
                                        "fn": "getAttr",

"argv": [
                                            {
                                                "ref": "PartitionResult"
                                            },
                                            "supportsFIPS"
                                        ]
                                    }
                                ]
                            },
```

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                    {
                      "fn": "booleanEquals",
                      "argv": [
                        true,
                        {

"fn": "getAttr",
                          "argv": [
                            {
                              "ref": "PartitionResult"
                            },
                            "supportsDualStack"
                          ]
                        }
                      ]
                    }
                  ],
                  "type": "tree",
                  "rules": [
                    {

"conditions": [],
                      "endpoint": {
                        "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                        "properties": {},
                        "headers": {}
                      },
                      "type": "endpoint"
                    }
                  ]
                },
                {
                  "conditions": [],
                  "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
                   "type": "error"
                }
              ]
            },
            {
              "conditions": [
                {
                  "fn": "booleanEquals",
                  "argv": [
                    {
                      "ref": "UseFIPS"
                    },
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                    true
                ]
            }
        ],
        "type": "tree",

    "rules": [
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
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                            {
                                "fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsFIPS"

                    ]
                            }
                        ]
                    }
                ],
                "type": "tree",
                "rules": [
                    {
                        "conditions": [],
                        "endpoint": {
                            "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
                            "properties": {},
                            "headers": {}

            },
                        "type": "endpoint"
                    }
                ]
            },
            {
                "conditions": [],
                "error": "FIPS is enabled but this partition does not support FIPS",
                "type": "error"
            }
        ]
    },
```

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{
  "conditions": [
    {
      "fn": "booleanEquals",
      "argv": [
        {
          "ref": "UseDualStack"
        },
        true
      ]
    }
  ],
  "type": "tree",
  "rules": [
    {
      "conditions": [
        {
          "fn": "booleanEquals",
          "argv": [
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            {

              "fn": "getAttr",
                "argv": [
                  {
                    "ref": "PartitionResult"
                  },
                  "supportsDualStack"
                ]
            }
          ]
        }
      ],
      "type": "tree",
      "rules": [
        {

          "conditions": [],
          "endpoint": {
            "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
            "properties": {},
            "headers": {}
          },
          "type": "endpoint"
        }
      ]
    },
```

```
                    {
                        "conditions": [],
                        "error": "DualStack is enabled but this partition does
not support DualStack",
                        "type": "error"
                    }
                ]
            },
            {
                "conditions": [],
                "endpoint": {
                    "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
                    "properties": {},
                    "headers": {}
                },
                "type": "endpoint"
            }
        ]
    }
]
},
{
    "conditions":
[],
    "error": "Invalid Configuration: Missing Region",
    "type": "error"
}
]
},
"smithy.rules#endpointTests": {
    "testCases": [
        {
            "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": true
            }
        },
        {
            "documentation":
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"For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
}
},

"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with
FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
}
},

"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},

"params": {
"Region": "cn-north-1",
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"UseDualStack": false
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"expect": {
"endpoint": {
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}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1
with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{

"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
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{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
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}
},
"params": {
"Region": "us-gov-east-1",
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"UseDualStack": false
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"documentation": "For region us-gov-east-1
with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect":
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"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack":
true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"

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                }
            },
            "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "error": "FIPS and DualStack are enabled, but
this partition does not support one or both"
            },
            "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": true,
                "UseDualStack": true
            }
        },
        {
            "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
                }
            },
            "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": true,
                "UseDualStack": false
            }

    },
        {
            "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
                "error": "DualStack is enabled but this partition does not support DualStack"
            },
            "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": false,
                "UseDualStack": true
            }
        },
        {
            "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
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"endpoint": {
"url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
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"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"

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                }
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            {
                "documentation": "For custom endpoint with fips disabled and dualstack enabled",
                "expect": {
                    "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
                },
                "params": {
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                    "UseFIPS": false,
                    "UseDualStack": true,
                    "Endpoint": "https://example.com"
                }
            },
            {
                "documentation": "Missing region",
                "expect": {
                    "error": "Invalid Configuration: Missing Region"
                }
            }
        ],
        "version": "1.0"
    }
  }
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
  "type": "operation",
  "input": {
    "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
  },
  "output": {
    "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
  },
  "errors": [
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the identity providers for user-based subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/ListIdentityProviders"
            },
            "smithy.api#paginated":
{
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "IdentityProviderSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
        "type": "structure",
        "members": {
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse":
{
        "type": "structure",
        "members": {
            "IdentityProviderSummaries": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
                "traits": {
```

```
            "smithy.api#documentation": "<p>Metadata that describes the list identity providers operation.</p>",
            "smithy.api#required": {}
          }
        },
        "NextToken": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
      ],
      "traits": {
        "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
        "smithy.api#http": {
          "code": 200,
          "method": "POST",
```

"uri": "/instance/ListInstances"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
"type": "structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list instances operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "

```
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
             }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity
provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/ListProductSubscriptions"
            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "ProductUserSummaries"
```

```
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
        "type": "structure",
        "members": {
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name
 of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
                "traits": {

  "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those that match
 one or\n      more sets of key-value pairs that you specify.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
        "type": "structure",
        "members": {
            "ProductUserSummaries": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
```

"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions operation. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists user associations for an identity provider. ",

"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListUserAssociations"
},
"smithy.api#paginated":
{
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based
subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity
provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those
that match one or\n more sets of key-value pairs that you specify. "
}
},
"NextToken": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " Token for
the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
"type": "structure",
"members": {
"InstanceUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list user association operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
"type": "structure",
"members": {

"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}

```
    },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of a product for a user.</p>",
                    "smithy.api#required": {}
                }
            },
            "StatusMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for a product for a user.</p>"
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            },
            "SubscriptionStartDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The
start date of a subscription.</p>"
                }
            },
            "SubscriptionEndDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The end date of a subscription.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The summary of the user-based subscription products for a user.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
        "type": "operation",
        "input": {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Registers an identity provider for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/RegisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}

```
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "Settings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
                "traits": {
                    "smithy.api#documentation": "<p>The registered identity providers product related configuration
settings such as the\n      subnets to provision VPC endpoints.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
        "type": "structure",
        "members": {
            "IdentityProviderSummary":
 {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The resource couldn't be found.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 404
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
        "type": "string",
```

"traits": {
"smithy.api#length": {
"min": 5,
"max": 200
},
"smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request failed because a service quota is exceeded. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Settings": {
"type": "structure",
"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation":
" The subnets defined for the registered identity provider. ",
"smithy.api#length": {
"min": 1
},
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688
communication between resources in\n your VPC and the VPC endpoint for activation servers. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings
such as the\n subnets to provision VPC endpoints, and the security group ID that
is associated with the VPC\n endpoints. The security group should permit inbound TCP port 1688
communication from resources\n in the VPC. "

```
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Starts a product subscription for a user with the specified identity
provider.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related costs
will take 48\n        hours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing status)
in Amazon Web Services Billing.
 For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n        monthly
charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/StartProductSubscription"
            }
        }
    },
```

"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"

},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Stops a product subscription for a user with the specified identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StopProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}

```
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required":
{}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
        "type": "structure",
        "members": {
            "ProductUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
                "traits": {
                    "smithy.api#documentation":
"<p>Metadata that describes the start product subscription operation.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StringList": {
        "type": "list",
        "member": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Subnet": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "subnet-[a-z0-9]{8,17}"
        }
```

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#Subnets": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
            "message": {

             "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the
request.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates additional product configuration settings for the registered
identity\n      provider.</p>",
            "smithy.api#http": {
                "code": 200,
```

```
            "method": "POST",
            "uri": "/identity-provider/UpdateIdentityProviderSettings"
          },
          "smithy.api#idempotent": {}
        }
      },
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          "Product": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
              "smithy.api#required": {}
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          "UpdateSettings": {
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            "traits": {
              "smithy.api#documentation": "<p>Updates the registered identity providers product related
configuration settings. You can\n      update any combination of settings in a single operation such as the:</p>\n
<ul>\n          <li>\n              <p>Subnets which you want to add to provision VPC endpoints.</p>\n          </li>\n
          <li>\n              <p>Subnets which you want to remove the VPC endpoints from.</p>\n          </li>\n
<li>\n              <p>Security group ID which permits traffic to the VPC endpoints.</p>\n          </li>\n        </ul>",
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"smithy.api#required": {}
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"RemoveSubnets": {
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"smithy.api#documentation": " The ID of one or more subnets to remove. ",
"smithy.api#required": {}
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"target": "com.amazonaws.licensemanager#UpdateServiceSettings"
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"arnNamespace": "license-manager",
"cloudFormationName": "LicenseManager",
"cloudTrailEventSource": "licensemanager.amazonaws.com",

"endpointPrefix": "license-manager"
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"aws.auth#sigv4": {
"name": "license-manager"
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"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
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"smithy.rules#endpointRuleSet": {
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"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
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"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
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"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"type": "String"
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                        ]
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                "type": "error"
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                          },

"supportsDualStack"
                        ]
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                        "type": "endpoint"
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both",
                "type": "error"
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                "type": "error"
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              "params": {
                "Region": "ap-east-1",
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                "UseDualStack": false
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              }
            },
            {
              "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.us-east-1.api.aws"
                }
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": true,

                "UseDualStack": true
              }
            },
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              "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-east-1.api.aws"
                }
              },
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-northwest-1",
"UseFIPS": false,
"UseDualStack": false

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},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{

"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},

{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",

"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation":
"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-west-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.api.aws"
}
},

"params": {
"Region": "us-gov-east-1",
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"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {

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            "endpoint": {
                "url": "https://license-manager.us-gov-east-1.api.aws"
            }
        },
        "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": false,
            "UseDualStack": true
        }
    },
    {
        "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
            }
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
            "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": true,
             "UseDualStack": true
        }
    },
    {
        "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
            }
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
    },
```

{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled
but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},

{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
}
},

"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,

"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,

"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"

```
                },
                "params": {
                    "Region": "us-east-1",
                    "UseFIPS": true,
                    "UseDualStack": false,
                    "Endpoint": "https://example.com"
                }
            },
            {
                "documentation": "For custom endpoint with fips disabled and dualstack enabled",
                "expect": {
                    "error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
                },
                "params": {
                    "Region": "us-east-1",
                    "UseFIPS": false,
                    "UseDualStack": true,
                    "Endpoint": "https://example.com"
                }
            },
            {
                "documentation": "Missing region",
                "expect": {
                    "error": "Invalid Configuration: Missing Region"
                }
            }
        ],
        "version": "1.0"
    }
  }
},
"com.amazonaws.licensemanager#AcceptGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
    "output": {
        "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
```

```
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"

    }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant
ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
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"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#AccessDeniedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
"httpResponseCode": 401
},
"smithy.api#documentation": " Access to resource denied. ",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
"type": "enum",
"members": {
"DISTRIBUTED_GRANTS_ONLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
}
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
}
}

```
        }
    },
    "com.amazonaws.licensemanager#AllowedOperation": {

    "type": "enum",
        "members": {
            "CREATE_GRANT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CreateGrant"
                }
            },
            "CHECKOUT_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckoutLicense"
                }
            },
            "CHECKOUT_BORROW_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckoutBorrowLicense"
                }
            },
            "CHECK_IN_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckInLicense"
                }
            },
            "EXTEND_CONSUMPTION_LICENSE":
{
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ExtendConsumptionLicense"
                }
            },
            "LIST_PURCHASED_LICENSES": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ListPurchasedLicenses"
                }
            },
            "CREATE_TOKEN": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CreateToken"
                }
```

```
            }
        }
    },
    "com.amazonaws.licensemanager#AllowedOperationList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#AllowedOperation"
        },
        "traits": {
            "smithy.api#length": {
                "min": 1,
                "max":
7
            }
        }
    },
    "com.amazonaws.licensemanager#Arn": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 2048
            },
            "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-
z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
        }
    },
    "com.amazonaws.licensemanager#ArnList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Arn"
        }
    },
    "com.amazonaws.licensemanager#AuthorizationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError":
{
                "code": "AuthorizationFailure",
                "httpResponseCode": 403
            },
            "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to
perform the action. Check the IAM\n        policy associated with this account.</p>",
```

```
            "smithy.api#error": "client",
            "smithy.api#httpError": 403
        }
    },
    "com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
        "type": "structure",
        "members": {
            "LastRunTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes automated discovery.</p>"
        }
    },

  "com.amazonaws.licensemanager#Boolean": {
        "type": "boolean",
        "traits": {
            "smithy.api#default": false
        }
    },
    "com.amazonaws.licensemanager#BorrowConfiguration": {
        "type": "structure",
        "members": {
            "AllowEarlyCheckIn": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxTimeToLiveInMinutes": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
                    "smithy.api#required": {}
                }
            }

},
        "traits": {
            "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
        }
    },
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"com.amazonaws.licensemanager#BoxBoolean": {
"type": "boolean"
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"com.amazonaws.licensemanager#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanager#BoxLong": {
"type": "long"
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"com.amazonaws.licensemanager#CheckInLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks in the specified license. Check in a license when it is no longer in use. "
}

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    },
    "com.amazonaws.licensemanager#CheckInLicenseRequest":
{
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
        "type": "structure",
        "members":
{
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must
use the borrow consumption configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
                    "smithy.api#required": {}
```

```
                }
            },
            "DigitalSignatureMethod": {
                "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
                "traits": {
                    "smithy.api#documentation": "<p>Digital signature method. The possible
 value is JSON Web Signature (JWS) algorithm PS384.\n        For more information, see <a
href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS</a>.</p>",
                    "smithy.api#required": {}
                }
            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

"smithy.api#documentation": " License consumption token. "
}
},
"EntitlementsAllowed":
{
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " Allowed license entitlements. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout
is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout expires. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicense": {
"type": "operation",

"input": {
"target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target":
"com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license. \n <note>\n If the account that created the license is the same that is performing the check out, you must\n specify the account as the beneficiary. \n </note>"
}
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
"type": "structure",
"members": {

"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product
SKU. ",
"smithy.api#required": {}
}
},
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. ",
"smithy.api#required": {}
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Key fingerprint identifying the license. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "

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            }
        }
    },
    "traits": {

   "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
    "type": "structure",
    "members": {
        "CheckoutType": {
            "target": "com.amazonaws.licensemanager#CheckoutType",
            "traits": {
                "smithy.api#documentation": "<p>Checkout type.</p>"
            }
        },
        "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License consumption token.</p>"
            }
        },
        "EntitlementsAllowed": {
            "target": "com.amazonaws.licensemanager#EntitlementDataList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
            }
        },
         "SignedToken": {
            "target": "com.amazonaws.licensemanager#SignedToken",
            "traits": {
                "smithy.api#documentation": "<p>Signed token.</p>"
            }
        },
        "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
            }
        },
        "IssuedAt": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
            }
        },
        "Expiration": {
```

"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and
time at which the license checkout expires. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the checkout license. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutType": {
"type": "enum",
"members": {
"PROVISIONAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PROVISIONAL"
}
},
"PERPETUAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PERPETUAL"
}
}
}
},
"com.amazonaws.licensemanager#ClientRequestToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 36
}
}
},
"com.amazonaws.licensemanager#ClientToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,

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            "max": 2048
          },
          "smithy.api#pattern": "^\\S+$"
        }
      },
      "com.amazonaws.licensemanager#ConflictException": {
        "type": "structure",
        "members": {
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "aws.protocols#awsQueryError": {
            "code": "ConflictException",
            "httpResponseCode":
 409
          },
          "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 409
        }
      },
      "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
        "type": "structure",
        "members": {
          "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
              "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
            }
          },
          "ConsumedLicenses": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
              "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
            }
          }
        },

  "traits": {
          "smithy.api#documentation": "<p>Details about license consumption.</p>"
        }
      },
      "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
        "type": "list",
        "member": {
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"target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
}
},
"com.amazonaws.licensemanager#ConsumptionConfiguration": {
"type": "structure",
"members": {
"RenewType": {
"target": "com.amazonaws.licensemanager#RenewType",
"traits": {
"smithy.api#documentation": " Renewal frequency. "
}
},
"ProvisionalConfiguration": {
"target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
"traits": {
"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"BorrowConfiguration": {
"target": "com.amazonaws.licensemanager#BorrowConfiguration",
"traits": {
"smithy.api#documentation": " Details about a borrow configuration. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about a consumption configuration. "
}
},
"com.amazonaws.licensemanager#CreateGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},

{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a grant for the specified license. A grant shares the use of license\n entitlements with a specific Amazon Web Services account, an organization, or an\n organizational unit (OU). For more
information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#CreateGrantRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}

}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Principals": {

"target": "com.amazonaws.licensemanager#PrincipalArnList",
"traits": {
"smithy.api#documentation": " The grant principals. You can specify one of the following as an Amazon Resource Name\n (ARN): \n \n \n An Amazon Web Services account, which includes only the account specified. \n \n \n \n \n An organizational unit (OU), which includes all accounts in the OU. \n \n \n \n \n An organization, which will include all accounts across your organization. \n \n ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations for the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateGrantVersion":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a new version of the specified grant. For more information, see\n Granted licenses in License Manager in the License Manager User Guide. "
}
},

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    "com.amazonaws.licensemanager#CreateGrantVersionRequest": {
      "type": "structure",
      "members": {
        "ClientToken": {
          "target": "com.amazonaws.licensemanager#ClientToken",
          "traits": {
            "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",

  "smithy.api#required": {}
          }
        },
        "GrantArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
            "smithy.api#required": {}
          }
        },
        "GrantName": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Grant name.</p>"
          }
        },
        "AllowedOperations": {
          "target": "com.amazonaws.licensemanager#AllowedOperationList",
          "traits": {
            "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
          }
        },
        "Status": {
          "target": "com.amazonaws.licensemanager#GrantStatus",
           "traits": {
            "smithy.api#documentation": "<p>Grant status.</p>"
          }
        },
        "StatusReason": {
          "target": "com.amazonaws.licensemanager#StatusReasonMessage",
          "traits": {
            "smithy.api#documentation": "<p>Grant status reason.</p>"
          }
        },
        "SourceVersion": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Current version of the grant.</p>"
          }
```

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            },
            "Options": {
                "target": "com.amazonaws.licensemanager#Options",
                "traits": {
                    "smithy.api#documentation": "<p>The options specified for the grant.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>New version of the grant.</p>"
                }
            }
        },
        "traits":
{
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
        },
        "errors": [
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            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
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"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Creates a license configuration. \n A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a \n license must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension used to track the license inventory. ",
"smithy.api#required": {}
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether hard or soft license enforcement is used.

Exceeding a hard limit\n blocks the launch of new instances. "
}
},
"LicenseRules": {
"target":
"com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. The syntax is #name=value (for example,
#allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows. \n
\n \n \n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n
<code>licenseAffinityToHost</code> |\n <code>maximumCores</code> |
<code>minimumCores</code>\n \n \n \n \n
<code>Instances</code> dimension: <code>allowedTenancy</code> | \n <code>maximumCores</code> |
<code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n
<code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n
\n
\n <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n
<code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> |
<code>minimumSockets</code>\n \n \n \n \n
<code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n
<code>honorVcpuOptimization</code> | \n <code>maximumVcpus</code> |
<code>minimumVcpus</code>\n \n \n \n The unit for
<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for
<code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n
<code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n
<code>True</code> and <code>False</code>. "
}
},

"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the license configuration. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is
uninstalled. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
}

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        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
{
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
             },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
```

"traits": {
"smithy.api#documentation": " Creates a new license conversion task. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {

"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource you are converting the license type for. ",
"smithy.api#required": {}
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
},
"DestinationLicenseContext":
{
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting to. For the structure of the destination license, see Convert a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

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    "traits": {
            "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
    "type": "operation",
    "input": {
      "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
    },
    "output": {
      "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
    },
    "errors": [
      {
        "target": "com.amazonaws.licensemanager#AccessDeniedException"
      },
      {
        "target": "com.amazonaws.licensemanager#AuthorizationException"
      },
      {
        "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
       },
      {
        "target": "com.amazonaws.licensemanager#RateLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
      },
      {
        "target": "com.amazonaws.licensemanager#ServerInternalException"
      },
      {
        "target": "com.amazonaws.licensemanager#ValidationException"
      }
    ],
    "traits": {
      "smithy.api#documentation": "<p>Creates a report generator.</p>"
    }
  },
  "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
```

"type": "structure",
"members": {
"ReportGeneratorName":
{
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports to generate. The following report types an be generated: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}

}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique,
case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the new report
generator. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseRequest": {
"type": "structure",
"members": {
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product
name. ",
"smithy.api#required": {}
}

```
            },
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product SKU.</p>",
                    "smithy.api#required": {}
                }
            },
            "Issuer": {
                "target": "com.amazonaws.licensemanager#Issuer",
                "traits": {
                    "smithy.api#documentation": "<p>License issuer.</p>",
                    "smithy.api#required": {}
                }
            },
            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region for the license.</p>",
                    "smithy.api#required": {}

    }
            },
            "Validity": {
                "target": "com.amazonaws.licensemanager#DatetimeRange",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>",
                    "smithy.api#required": {}
                }
             },
            "ConsumptionConfiguration": {
                "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
                "traits": {
```

"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation":
" Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a new version of the specified license. "
}
},
"com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target":
"com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits":
{
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the license. ",
"smithy.api#required": {}
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-
UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},

"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the license. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",

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            "traits": {
                "smithy.api#documentation": "<p>License ARN.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>New version of the license.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output":
{}
    }
},
"com.amazonaws.licensemanager#CreateToken": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateTokenRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateTokenResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
```

{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a long-lived token. \n A refresh token is a JWT token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license. "
}
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits":
{
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token. ",
"smithy.api#required": {}
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n License Manager does not check whether the roles are in use. "
}
},
"ExpirationInDays": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Token expiration, in days, counted from token creation. The default is 365 days. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token. "
}

```
        },
        "ClientToken": {
            "target": "com.amazonaws.licensemanager#ClientToken",
            "traits": {
                "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateTokenResponse": {
    "type": "structure",
    "members": {
        "TokenId": {
            "target": "com.amazonaws.licensemanager#String",

         "traits": {
                "smithy.api#documentation": "<p>Token ID.</p>"
            }
        },
        "TokenType": {
            "target": "com.amazonaws.licensemanager#TokenType",
            "traits": {
                "smithy.api#documentation": "<p>Token type.</p>"
            }
        },
        "Token": {
            "target": "com.amazonaws.licensemanager#TokenString",
            "traits": {
                "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
        "Begin": {
```

```
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Start of the time range.</p>",
                "smithy.api#required": {}
            }
        },
        "End": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>End of the time range.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
},
"com.amazonaws.licensemanager#DeleteGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
```

"traits": {
"smithy.api#documentation": " Deletes
the specified grant. "
}
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " The Status reason for the delete request. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the
grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}

```
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
```

"traits": {
"smithy.api#documentation": " Deletes the specified license. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license configuration. \n You cannot delete a license configuration that is in use. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
"type": "structure",
"members":
{
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the license configuration. ",
"smithy.api#required": {}
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified report generator. \n This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator. "

```
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to be
deleted.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {

 "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the license.</p>",
                    "smithy.api#required":
 {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
```

```
},
"com.amazonaws.licensemanager#DeleteLicenseResponse": {
    "type": "structure",
    "members": {
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        },
        "DeletionDate": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DeleteToken": {
    "type": "operation",
     "input": {
        "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
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{
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": " Deletes the specified token. Must be called in the license home Region. "
    }
},
"com.amazonaws.licensemanager#DeleteTokenRequest": {
    "type": "structure",
    "members": {
        "TokenId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": " Token ID. ",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#DeleteTokenResponse": {
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#output": {}

  }
},
"com.amazonaws.licensemanager#DigitalSignatureMethod": {
    "type": "enum",
    "members": {
        "JWT_PS384": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "JWT_PS384"
            }
        }
    }
},
"com.amazonaws.licensemanager#Entitlement": {
    "type": "structure",
    "members": {
        "Name": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement resource. Use only
if the unit is None. "
}
},
"MaxCount": {
"target": "com.amazonaws.licensemanager#Long",
"traits": {
"smithy.api#documentation": " Maximum entitlement count. Use if the unit is not None. "
}
},
"Overage": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether overages are allowed. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementUnit",
"traits": {
"smithy.api#documentation": " Entitlement unit. ",
"smithy.api#required": {}
}
},
"AllowCheckIn": {
"target":
"com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether check-ins are allowed. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a resource entitled for use with a license. "
}
},
"com.amazonaws.licensemanager#EntitlementData": {
"type": "structure",
"members": {
"Name": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement data name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement
data value. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementDataUnit",
"traits": {
"smithy.api#documentation": " Entitlement data unit. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Data associated with an entitlement resource. "
}
},
"com.amazonaws.licensemanager#EntitlementDataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#EntitlementData"
}
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS":

{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"

}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}

```
        },
        "MEGABYTES_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Megabytes/Second"
          }
        },
        "GIGABYTES_PER_SECOND": {
          "target": "smithy.api#Unit",
           "traits": {
            "smithy.api#enumValue": "Gigabytes/Second"
          }
        },
        "TERABYTES_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Terabytes/Second"
          }
        },
        "BITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Bits/Second"
          }
        },
        "KILOBITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Kilobits/Second"
          }
        },
        "MEGABITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue":
"Megabits/Second"
          }
        },
        "GIGABITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Gigabits/Second"
          }
        },
        "TERABITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Terabits/Second"
```

```
            }
          },
          "COUNT_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Count/Second"
            }
          }
        }
      },
      "com.amazonaws.licensemanager#EntitlementList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#Entitlement"
        }
      },
      "com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
        "type": "structure",
        "members": {
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 400
        }
      },
      "com.amazonaws.licensemanager#EntitlementUnit": {
        "type": "enum",
        "members": {
          "COUNT": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Count"
            }
          },
          "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "None"
            }
          },
          "SECONDS":
{
            "target": "smithy.api#Unit",
```

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    "traits": {
        "smithy.api#enumValue": "Seconds"
    }
},
"MICROSECONDS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Microseconds"
    }
},
"MILLISECONDS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Milliseconds"
    }
},
"BYTES": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Bytes"
    }
},
"KILOBYTES": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Kilobytes"
     }
},
"MEGABYTES": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Megabytes"
    }
},
"GIGABYTES": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Gigabytes"
    }
},
"TERABYTES": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Terabytes"
    }
},
"BITS": {
    "target": "smithy.api#Unit",
```

"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"
}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target":
"smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},

"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},

"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"

```
            }
        },
        "COUNT_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count/Second"
            }
        }
    }
},
"com.amazonaws.licensemanager#EntitlementUsage": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage name.</p>",
                "smithy.api#required": {}
            }
        },
        "ConsumedValue": {
            "target": "com.amazonaws.licensemanager#String",

       "traits": {
                "smithy.api#documentation": "<p>Resource usage consumed.</p>",
                "smithy.api#required": {}
            }
        },
        "MaxCount": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
            }
        },
        "Unit": {
            "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
    }
},
"com.amazonaws.licensemanager#EntitlementUsageList":
```

```
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementUsage"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumption": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
```

"smithy.api#required": {}

}
},
"DryRun": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,
"smithy.api#documentation": " Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},

"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license consumption expires. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#FailedDependencyException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
},
"ErrorCode": {
"target": "com.amazonaws.licensemanager#String"
}
},

"traits": {
"aws.protocols#awsQueryError": {
"code": "FailedDependency",
"httpResponseCode": 424
},
"smithy.api#documentation":
" A dependency required to run the API is missing. ",
"smithy.api#error": "client",
"smithy.api#httpError": 424
}
},
"com.amazonaws.licensemanager#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#FilterName",
"traits": {
"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only
specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter
name and value pair that is used to return more specific results from a\n describe operation. Filters can be used
to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FilterLimitExceeded",
"httpResponseCode": 400
},
"smithy.api#documentation": " The request uses too many filters or too many filter values. ",
"smithy.api#error": "client",

```
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#FilterList": {
    "type": "list",
     "member": {
        "target": "com.amazonaws.licensemanager#Filter"
    }
},
"com.amazonaws.licensemanager#FilterName": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#FilterValue",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#Filters": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Filter",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#GetAccessToken": {
    "type": "operation",
    "input": {
         "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
```

```
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
 tokens\n          are valid for one hour.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetAccessTokenRequest": {
        "type": "structure",
        "members": {
            "Token": {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "TokenProperties": {
                "target": "com.amazonaws.licensemanager#MaxSize3StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetAccessTokenResponse":
 {
        "type": "structure",
        "members": {
            "AccessToken": {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Temporary access token.</p>"
                }
            }
```

```
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"

   },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
```

```
            "smithy.api#required": {}
          }
        },
        "Version": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Grant version.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#GetGrantResponse": {
      "type": "structure",
      "members": {
        "Grant": {
          "target": "com.amazonaws.licensemanager#Grant",
          "traits": {
            "smithy.api#documentation": "<p>Grant details.</p>"
          }
        }
      },
      "traits": {

    "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#GetLicense": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
```

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"

},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license configuration. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
}
},
"traits":
{
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Unique ID for the license configuration. "
}
},
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension for which the licenses are counted. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",

"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",

"traits": {
"smithy.api#documentation": " Number of available licenses. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Sets the number of available licenses as a hard limit. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses assigned to resources. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License configuration status. "
}

},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner of the license configuration. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},

"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When
true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},

{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified license type conversion task. "
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information

about the license type converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted to. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " Status of the license type conversion task. "
}
},

"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was started . "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Amount of time to complete the license type conversion. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was completed. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":

```
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

         },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
                    "smithy.api#required":
```

{}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"ReportGenerator": {
"target": "com.amazonaws.licensemanager#ReportGenerator",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license configurations. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseResponse": {
"type": "structure",
"members": {

```
            "License": {
                "target": "com.amazonaws.licensemanager#License",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },

"com.amazonaws.licensemanager#GetLicenseUsage": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {

"target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseUsageRequest": {
        "type": "structure",
        "members": {
```

```
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
        "type": "structure",
        "members": {
            "LicenseUsage": {
                "target":
"com.amazonaws.licensemanager#LicenseUsage",
                "traits": {
                    "smithy.api#documentation": "<p>License usage details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
```

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        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsRequest": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "S3BucketArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Regional S3 bucket path for storing reports, license trail event data,
discovery data,\n        and so on.</p>"

  }
            },
            "SnsTopicArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>SNS topic configured to receive notifications from License
Manager.</p>"
                }
            },
            "OrganizationConfiguration": {
                "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether Organizations is integrated with License
Manager for\n        cross-account discovery.</p>"
                }
            },
            "EnableCrossAccountsDiscovery": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether cross-account discovery is enabled.</p>"
                }

        },
            "LicenseManagerResourceShareArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource share. The License
```

Manager management account \n provides member accounts with access to this share. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Grant": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}
}
},
"ParentArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",
"smithy.api#required": {}
}
},
"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},

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            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantStatus": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>",
                    "smithy.api#required": {}
                }
            },
            "StatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status reason.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Granted operations.</p>",
                    "smithy.api#required": {}
                }
            },
            "Options": {
                "target": "com.amazonaws.licensemanager#Options",
                "traits": {
                    "smithy.api#documentation": "<p>The options specified for the grant.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation":
"<p>Describes a grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#GrantList": {
        "type": "list",
```

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    "member": {
        "target": "com.amazonaws.licensemanager#Grant"
    }
},
"com.amazonaws.licensemanager#GrantStatus": {
    "type": "enum",
    "members": {
        "PENDING_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_WORKFLOW"
            }
        },
        "PENDING_ACCEPT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_ACCEPT"
            }
        },
        "REJECTED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "REJECTED"

        }
        },
        "ACTIVE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ACTIVE"
            }
        },
        "FAILED_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED_WORKFLOW"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        },
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
```

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            }
          },
          "DISABLED": {
            "target": "smithy.api#Unit",
            "traits":
{
              "smithy.api#enumValue": "DISABLED"
            }
          },
          "WORKFLOW_COMPLETED": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "WORKFLOW_COMPLETED"
            }
          }
        }
      },
      "com.amazonaws.licensemanager#GrantedLicense": {
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
          },
          "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>License name.</p>"
            }

    },
          "ProductName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Product name.</p>"
            }
          },
          "ProductSKU": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Product SKU.</p>"
            }
          },
          "Issuer": {
            "target": "com.amazonaws.licensemanager#IssuerDetails",
            "traits": {
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"smithy.api#documentation": " Granted license issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the granted license. "

}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " Granted license status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the granted license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Granted license beneficiary. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Granted license metadata. "
}
},
"CreateTime": {

"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Creation time of the granted license. "

}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Version of the granted license. "
}
},
"ReceivedMetadata": {
"target": "com.amazonaws.licensemanager#ReceivedMetadata",
"traits": {
"smithy.api#documentation": " Granted license received metadata. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a license that is granted to a grantee. "
}
},
"com.amazonaws.licensemanager#GrantedLicenseList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#GrantedLicense"
}
},
"com.amazonaws.licensemanager#ISO8601DateTime":
{
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$"
}
},
"com.amazonaws.licensemanager#Integer": {
"type": "integer"
},
"com.amazonaws.licensemanager#InvalidParameterValueException": {
"type": "structure",
"members": {
"Message": {

"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidParameterValueProvided",
"httpResponseCode": 400
},
"smithy.api#documentation":
" One or more parameter values are not valid. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#InvalidResourceStateException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidResourceState",
"httpResponseCode": 400
},
"smithy.api#documentation": " License Manager cannot allocate a license to a resource because of its state. \n For example, you cannot allocate a license to an instance in the process of shutting\n down. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},

"com.amazonaws.licensemanager#InventoryFilter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the filter. ",
"smithy.api#required": {}
}
},
"Condition": {
"target": "com.amazonaws.licensemanager#InventoryFilterCondition",
"traits": {
"smithy.api#documentation": " Condition of the filter. ",

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                "smithy.api#required": {}
            }
        },
        "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Value of the filter.</p>"
            }
        }

},
    "traits": {
        "smithy.api#documentation": "<p>An inventory filter.</p>"
    }
  },
  "com.amazonaws.licensemanager#InventoryFilterCondition": {
    "type": "enum",
    "members": {
        "EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EQUALS"
            }
        },
        "NOT_EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "NOT_EQUALS"
            }
        },
        "BEGINS_WITH": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "BEGINS_WITH"
            }
        },
        "CONTAINS": {
            "target": "smithy.api#Unit",
            "traits": {
                 "smithy.api#enumValue": "CONTAINS"
            }
        }
    }
  },
  "com.amazonaws.licensemanager#InventoryFilterList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#InventoryFilter"
```

```
        }
    },
    "com.amazonaws.licensemanager#Issuer": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer name.</p>",
                    "smithy.api#required": {}
                }
            },
            "SignKey": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key usage
 of sign and verify, \n        and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about the issuer of a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#IssuerDetails": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer name.</p>"
                }
            },
            "SignKey": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n        and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
                }
            },
            "KeyFingerprint": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer key fingerprint.</p>"
                }
            }
```

```
    },
    "traits": {
        "smithy.api#documentation": "<p>Details associated with the issuer of a license.</p>"
    }
},
"com.amazonaws.licensemanager#License": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
        },
        "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {

       "smithy.api#documentation": "<p>License name.</p>"
            }
        },
        "ProductName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Product name.</p>"
            }
        },
        "ProductSKU": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Product SKU.</p>"
            }
        },
        "Issuer": {
            "target": "com.amazonaws.licensemanager#IssuerDetails",
            "traits": {
                "smithy.api#documentation": "<p>License issuer.</p>"
            }
        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {

        "smithy.api#documentation": "<p>Home Region of the license.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
```

"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " License metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " License creation time. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}

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        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
    "type": "structure",
    "members": {
        "LicenseConfigurationId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
            }
        },
        "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
        },
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Name of the license configuration.</p>"
            }
        },
        "Description": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Description of the license configuration.</p>"
            }
        },
        "LicenseCountingType": {
            "target": "com.amazonaws.licensemanager#LicenseCountingType",
            "traits": {
                "smithy.api#documentation": "<p>Dimension to use to track the license inventory.</p>"
             }
        },
        "LicenseRules": {
            "target": "com.amazonaws.licensemanager#StringList",
            "traits": {
                "smithy.api#documentation": "<p>License rules.</p>"
            }
        },
        "LicenseCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
```

"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Number of available licenses as a hard limit. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the license configuration. "
}
},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the license configuration's owner. "

}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for licenses consumed by various resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for managed resources. "
}
},
"ProductInformationList": {

"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {

"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
}
},
"traits": {
"smithy.api#documentation": " A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
"type": "structure",
"members": {
"ResourceArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of server resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Time when the license configuration was associated with the resource. "
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an association with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
}
},
"com.amazonaws.licensemanager#LicenseConfigurationStatus": {
"type": "enum",
"members":
{
"AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISABLED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsage": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},

"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits":
{
"smithy.api#documentation": " Type of resource. "
}
},
"ResourceStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the usage of a resource associated with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
}
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
"type": "list",
"member": {

"target": "com.amazonaws.licensemanager#LicenseConfiguration"
}
},
"com.amazonaws.licensemanager#LicenseConversionContext": {

"type": "structure",
"members": {
"UsageOperation": {
"target": "com.amazonaws.licensemanager#UsageOperation",
"traits": {
"smithy.api#documentation": " The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\n \n "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {

"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " The ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource associated with the license type\n conversion task. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted from. "
}
},
"DestinationLicenseContext": {
"target":

"com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted to. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " The status of the conversion task. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was started at. "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the usage operation value of the resource was changed. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was completed. "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
"type": "string",
"traits": {

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        "smithy.api#length": {
            "min": 0,
            "max": 50
        },
        "smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
    }
  },
  "com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
    "type": "enum",
    "members": {
      "IN_PROGRESS": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "IN_PROGRESS"
        }
      },
      "SUCCEEDED": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "SUCCEEDED"
        }
      },
      "FAILED": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "FAILED"
        }
      }
    }
  },
  "com.amazonaws.licensemanager#LicenseConversionTasks":
{
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#LicenseConversionTask"
    }
  },
  "com.amazonaws.licensemanager#LicenseCountingType": {
    "type": "enum",
    "members": {
      "VCPU": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "vCPU"
        }
      },
      "INSTANCE": {
        "target": "smithy.api#Unit",
```

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            "traits": {
                "smithy.api#enumValue": "Instance"
            }
        },
        "CORE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Core"
            }
        },
        "SOCKET": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "Socket"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
    "type": "enum",
    "members": {
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#License"
    }
},
"com.amazonaws.licensemanager#LicenseOperationFailure": {

    "type": "structure",
    "members": {
        "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Resource type. "
}
},
"ErrorMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Error message. "
}
},
"FailureTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Failure time. "
}
},
"OperationName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the operation. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource. "
}
},
"OperationRequestedBy": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The requester is \"License Manager Automated Discovery\". "
}
},
"MetadataList": {

"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Reserved. "
}
}

```
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes the failure of a license operation.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseOperationFailureList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseOperationFailure"
        }
    },
    "com.amazonaws.licensemanager#LicenseSpecification": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

                "smithy.api#required": {}
                }
            },
            "AmiAssociationScope": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details for associating a license configuration with a resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseSpecifications": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseSpecification"
        }
    },
    "com.amazonaws.licensemanager#LicenseStatus": {
        "type": "enum",
        "members": {
            "AVAILABLE": {
                "target": "smithy.api#Unit",
```

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        "traits": {
            "smithy.api#enumValue": "AVAILABLE"
          }
        },
        "PENDING_AVAILABLE": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "PENDING_AVAILABLE"
          }
        },
        "DEACTIVATED": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "DEACTIVATED"
          }
        },
        "SUSPENDED": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "SUSPENDED"
          }
        },
        "EXPIRED": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "EXPIRED"
          }
        },

      "PENDING_DELETE": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "PENDING_DELETE"
          }
        },
        "DELETED": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "DELETED"
          }
        }
      }
    },
    "com.amazonaws.licensemanager#LicenseUsage": {
      "type": "structure",
      "members": {
        "EntitlementUsages": {
          "target": "com.amazonaws.licensemanager#EntitlementUsageList",
```

"traits": {
"smithy.api#documentation": " License entitlement usages. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the entitlement usage associated with a license. "

}
},
"com.amazonaws.licensemanager#LicenseUsageException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "LicenseUsageFailure",
"httpResponseCode": 412
},
"smithy.api#documentation": " You do not have enough licenses available to support a new resource launch. ",
"smithy.api#error": "client",
"smithy.api#httpError": 412
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{

"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the resource associations for the
specified license configuration. \n Resource associations need not consume licenses from a license
configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules). "
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results
to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationAssociations": {

"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license configuration. "
}
},
"NextToken": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
        "type": "structure",
        "members": {
            "GrantArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {

            "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n            <p>\n                <code>LicenseArn</code>\n            </p>\n
        </li>\n            <li>\n            <p>\n                <code>GrantStatus</code>\n            </p>\n            </li>\n
    <li>\n            <p>\n                <code>GranteePrincipalARN</code>\n            </p>\n            </li>\n
<li>\n            <p>\n                <code>ProductSKU</code>\n            </p>\n            </li>\n            <li>\n
<p>\n                <code>LicenseIssuerName</code>\n
        </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
        "type": "structure",
        "members": {
            "Grants": {
```

"target": "com.amazonaws.licensemanager#GrantList",

"traits": {
"smithy.api#documentation": " Distributed grant details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license configuration operations that failed. "
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {

"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name of the license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse": {
"type": "structure",
"members": {
"LicenseOperationFailureList": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
"traits": {
"smithy.api#documentation": " License configuration operations that failed. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConfigurations": {

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
},

"output": {
"target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license configurations
for your account. "
}
},
"com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the license
configurations. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}

```
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next
 set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n                Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n                Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n
<p>\n                <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n                Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>.</p>\n
    </li>\n            <li>\n                <p>\n                <code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurations": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurations",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",

          "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
```

```
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
    "type": "structure",
    "members": {
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {

"smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "Filters": {
```

"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " \n Filters to scope the results. Valid filters are <code>ResourceArns</code> and <code>Status</code>.\n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
"type": "structure",
"members": {
"LicenseConversionTasks": {
"target": "com.amazonaws.licensemanager#LicenseConversionTasks",
"traits": {
"smithy.api#documentation": " Information about the license configuration tasks for your account. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},

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            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n        <ul>\n            <li>\n                <p>\n                    <code>LicenseConfigurationArn</code>\n
</p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits":
{
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
```

```
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
        "type": "structure",
        "members": {
            "ReportGenerators": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorList",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }

        }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an
associated license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {

        "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
        "type": "structure",
        "members": {
            "LicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
                }
            },
            "NextToken": {
```

```
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                "smithy.api#required": {}
            }
```

```
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#LicenseList",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            },

"NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenses": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicensesRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicensesResponse"
        },
        "errors": [
```

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicensesRequest": {
        "type": "structure",
        "members": {
            "LicenseArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
                }
            },

    "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n    <ul>\n        <li>\n            <p>\n                <code>Beneficiary</code>\n            </p>\n
    </li>\n        <li>\n            <p>\n                <code>ProductSKU</code>\n            </p>\n        </li>\n
  <li>\n            <p>\n                <code>Fingerprint</code>\n            </p>\n        </li>\n        <li>\n
<p>\n                <code>Status</code>\n            </p>\n        </li>\n    </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token
```

for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicensesResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#LicenseList",
"traits": {
"smithy.api#documentation": " License details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

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            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target":
 "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the received license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
    <ul>\n        <li>\n            <p>\n                <code>ParentArn</code>\n            </p>\n        </li>\n
<li>\n            <p>\n                <code>GranteePrincipalArn</code>\n            </p>\n        </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
```

"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",
"traits": {
"smithy.api#documentation": " Lists the grants the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
"type": "structure",
"members": {
"GrantArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranterAccountId</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},

```
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
    "type": "structure",
    "members": {
        "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
             "traits": {
                "smithy.api#documentation": "<p>Received grant details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
         },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
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            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists received licenses.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {

    "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
```

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the licenses received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>Beneficiary</code>\n \n \n \n \n <code>ProductSKU</code>\n
\n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#GrantedLicenseList",
"traits": {
"smithy.api#documentation": " Lists the licenses the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>IssuerName</code>\n \n \n \n \n <code>Beneficiary</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
"type": "structure",

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    "members": {
      "Licenses": {
        "target": "com.amazonaws.licensemanager#GrantedLicenseList",
        "traits": {
          "smithy.api#documentation": "<p>Received license details.</p>"
        }
      },

      "NextToken": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
          "smithy.api#documentation": "<p>Token for the next set of results.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanager#ListResourceInventory": {
    "type": "operation",
    "input": {
      "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
    },
    "output": {
      "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
      {
        "target": "com.amazonaws.licensemanager#AccessDeniedException"
      },
      {
        "target": "com.amazonaws.licensemanager#AuthorizationException"
      },
      {
        "target": "com.amazonaws.licensemanager#FailedDependencyException"
      },
      {
        "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
      },
      {
        "target": "com.amazonaws.licensemanager#RateLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#ServerInternalException"
```

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListResourceInventoryRequest": {
        "type": "structure",
        "members": {
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                 "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#InventoryFilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n                    <code>account_id</code>
- The ID of the Amazon Web Services account that owns the resource.\n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n
            </li>\n            <li>\n                <p>\n                    <code>application_name</code> - The name of the
application. \n                Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n
    </li>\n            <li>\n                <p>\n                    <code>license_included</code> - The type of license included. \n
            Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n                Possible values
are <code>sql-server-enterprise</code> | \n                <code>sql-server-standard</code> | \n                <code>sql-
server-web</code> |  \n                <code>windows-server-datacenter</code>.</p>\n            </li>\n            <li>\n
    <p>\n                    <code>platform</code> - The platform of the resource.\n                Logical operators are
<code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n            </li>\n            <li>\n                <p>\n
        <code>resource_id</code> - The ID of the resource. \n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n                <p>\n
      <code>tag:<key></code> - The key/value combination of a tag assigned \n                to the resource. Logical
operators are <code>EQUALS</code> (single account) or\n                <code>EQUALS</code> |
<code>NOT_EQUALS</code> (cross account).</p>\n            </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
```

"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
"type": "structure",
"members": {
"ResourceInventoryList": {
"target": "com.amazonaws.licensemanager#ResourceInventoryList",
"traits": {
"smithy.api#documentation": " Information
about the resources. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the tags for the specified license configuration. "

```
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
        "errors":
[
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists your tokens.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTokensRequest": {
        "type": "structure",
        "members": {
            "TokenIds": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {

                  "smithy.api#documentation": "<p>Token IDs.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
    <ul>\n        <li>\n        <p>\n        <code>LicenseArns</code>\n        </p>\n        </li>\n
</ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation":
 "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
```

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            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokensResponse": {
        "type": "structure",
        "members": {
            "Tokens": {
                "target": "com.amazonaws.licensemanager#TokenList",
                "traits": {
                    "smithy.api#documentation": "<p>Received token details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
```

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            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying license\n consumption details by resource at a selected point in time. Use this action to audit the\n current license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical operators\n are supported:</p>\n <ul>\n <li>\n <p>\n <code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n </li>\n <li>\n <p>\n <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n </li>\n <li>\n <p>\n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n </li>\n </ul>"
                }
            }
```

```
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
        "type": "structure",
        "members": {

"LicenseConfigurationUsageList": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#Location": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#Long": {
        "type": "long"
    },
    "com.amazonaws.licensemanager#ManagedResourceSummary": {
        "type": "structure",
        "members": {
            "ResourceType":
{
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
                }
            },
            "AssociationCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
                }
            }
```

```
    },
    "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
    }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
    }
},
"com.amazonaws.licensemanager#MaxSize100": {

"type": "integer",
    "traits": {
        "smithy.api#range": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The key name.</p>"
            }
        },

"Value": {
            "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " The value. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes key/value pairs. "
}
},
"com.amazonaws.licensemanager#MetadataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Metadata"
}
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n \n \n As a grantor, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your organization. \n \n \n As a grantee, if the grantor creating the distributed grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n are activating the grant. \n \n \n <dl>\n <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n Use this value to activate a grant without replacing any member accounts\n active grants for the same product. \n </dd>\n <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n Use this value to activate a

grant and disable other active grants in any\n member accounts
for the same product. This action will also replace their\n previously activated grants with this activated grant. \n </dd>\n </dl>"
}
}
},
"traits": {
"smithy.api#documentation": " The options you can specify when you create a new version of a grant, such as activation\n override behavior. For more information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#OrganizationConfiguration": {
"type": "structure",
"members": {
"EnableIntegration": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,
"smithy.api#documentation": " Enables Organizations integration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Configuration information for Organizations. "
}
},
"com.amazonaws.licensemanager#PrincipalArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 1
}
}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Resource type. The possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a <code>ProductInformationFilterComparator</code> which is a logical operator, a <code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. \n The following filters and are supported when the resource type \n is <code>SSM_MANAGED</code>: \n \n \n \n <code>Application Name</code> - The name of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Publisher</code> - The publisher of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n \n \n \n \n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n \n \n <code>License Included</code> - The type of license included.\n Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are: <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n The following filters and logical operators are supported when the resource type\n is <code>RDS</code>: \n \n \n \n <code>Engine Edition</code> - The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>. \n \n \n \n <code>License Pack</code> - The license pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n <code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n \n ",
"smithy.api#required": {}
}
}
},

```
    "traits": {
        "smithy.api#documentation": "<p>Describes product information for a license configuration.</p>"
    }
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
    "type": "structure",
    "members": {
        "ProductInformationFilterName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Filter name.</p>",
                "smithy.api#required": {}
            }
        },
        "ProductInformationFilterValue": {
            "target": "com.amazonaws.licensemanager#StringList",

      "traits": {
                "smithy.api#documentation": "<p>Filter value.</p>"
            }
        },
        "ProductInformationFilterComparator": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Logical operator.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes product information filters.</p>"
    }
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ProductInformationFilter"
    }
},
"com.amazonaws.licensemanager#ProductInformationList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ProductInformation"
     }
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
    "type": "structure",
    "members": {
```

"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the provisional configuration, in minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "RateLimitExceeded",
"httpResponseCode": 429
},
"smithy.api#documentation": " Too many requests have been submitted. Try again after a brief wait. ",
"smithy.api#error": "client",
"smithy.api#httpError": 429
}
},
"com.amazonaws.licensemanager#ReceivedMetadata": {
"type": "structure",
"members": {
"ReceivedStatus": {
"target": "com.amazonaws.licensemanager#ReceivedStatus",
"traits": {
"smithy.api#documentation": " Received status. "
}
},
"ReceivedStatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Received status reason. "
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",

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            "traits": {
                "smithy.api#documentation": "<p>Allowed operations.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
    }
},
"com.amazonaws.licensemanager#ReceivedStatus": {
    "type": "enum",
    "members": {
        "PENDING_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_WORKFLOW"
            }
        },
        "PENDING_ACCEPT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue":
"PENDING_ACCEPT"
            }
        },
        "REJECTED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "REJECTED"
            }
        },
        "ACTIVE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ACTIVE"
            }
        },
        "FAILED_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED_WORKFLOW"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
```

```
        },
        "DISABLED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DISABLED"
            }
        },
        "WORKFLOW_COMPLETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "WORKFLOW_COMPLETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#RedirectException": {
    "type": "structure",
    "members": {
        "Location": {
            "target": "com.amazonaws.licensemanager#Location",
            "traits": {
                "smithy.api#httpHeader": "Location"
            }
        },
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 308
    }
},
"com.amazonaws.licensemanager#RejectGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#RejectGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#RejectGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#RejectGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}

  }
    },
    "com.amazonaws.licensemanager#RejectGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
```

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                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#RenewType":
{
        "type": "enum",
        "members": {
            "NONE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "None"
                }
            },
            "WEEKLY": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Weekly"
                }
            },
            "MONTHLY": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Monthly"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#ReportContext": {
        "type": "structure",
        "members": {
            "licenseConfigurationArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
```

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "
}
},
"period": {
"target": "com.amazonaws.licensemanager#ReportFrequencyType",

"traits": {
"smithy.api#documentation": " Time period between each report. The period can be daily, weekly, or monthly. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
"type": "enum",
"members": {
"DAY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DAY"
}
},
"WEEK": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WEEK"
}
},

"MONTH": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "MONTH"
}
}
}
},
"com.amazonaws.licensemanager#ReportGenerator": {
"type": "structure",
"members": {
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the report generator. "
}
},
"ReportType": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports that are generated. "
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " License
configuration type for this generator. "
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. "
}
},
"LastRunStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the last report generation attempt. "
}

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            },
            "LastRunFailureReason":
 {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
                }
            },
            "LastReportGenerationTime": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
                }
            },
            "ReportCreatorAccount": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report
generator.</p>"
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",

        "traits": {
                    "smithy.api#documentation": "<p>Description of the report generator.</p>"
                }
            },
            "S3Location": {
                "target": "com.amazonaws.licensemanager#S3Location",
                "traits": {
                    "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
                }
            },
            "CreateTime": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Time the report was created.</p>"
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
                }
```

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}
    },
    "traits": {
        "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
    }
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ReportGenerator"
    }
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#ReportType": {
    "type": "enum",
    "members": {
        "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
            }

},
        "LICENSE_CONFIGURATION_USAGE_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "LicenseConfigurationUsageReport"
            }
        }
    }
},
"com.amazonaws.licensemanager#ReportTypeList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ReportType"
    }
},
"com.amazonaws.licensemanager#ResourceInventory": {
    "type": "structure",
    "members": {
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            "ResourceId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "Platform": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform of the resource.</p>"
                }
            },
            "PlatformVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
                }
            },
            "ResourceOwningAccountId":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventoryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ResourceInventory"
        }
```

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},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "ResourceLimitExceeded",

            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
    "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_INSTANCE"
            }
        },
        "EC2_HOST": {
            "target": "smithy.api#Unit",
            "traits": {
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"smithy.api#enumValue": "EC2_HOST"
}
},
"EC2_AMI": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_AMI"
}
},
"RDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "RDS"
}
},
"SYSTEMS_MANAGER_MANAGED_INSTANCE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
}
}
}
},
"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"com.amazonaws.licensemanager#ServerInternalException": {
"type": "structure",
"members": {
"Message": {

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                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InternalError",
                "httpResponseCode": 500
            },
            "smithy.api#documentation": "<p>The server experienced an internal error. Try again.</p>",
            "smithy.api#error": "server",
            "smithy.api#httpError": 500
        }
    },
    "com.amazonaws.licensemanager#SignedToken": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 4096
            }
        }
    },
    "com.amazonaws.licensemanager#StatusReasonMessage": {
        "type": "string",
        "traits":
{
            "smithy.api#length": {
                "min": 0,
                "max": 400
            },
            "smithy.api#pattern": "^[\\s\\S]+$"
        }
    },
    "com.amazonaws.licensemanager#String": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#StringList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#Tag": {
        "type": "structure",
        "members": {
            "Key": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Tag key.</p>"
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            }
          },
          "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation":
"<p>Tag value.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
        }
      },
      "com.amazonaws.licensemanager#TagKeyList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#String"
        }
      },
      "com.amazonaws.licensemanager#TagList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#Tag"
        }
      },
      "com.amazonaws.licensemanager#TagResource": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#TagResourceRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#TagResourceResponse"
        },
        "errors": [
          {
            "target":
"com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
```

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            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>One or more tags.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>"
                }
            },
```

"TokenType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Type of token generated. The supported value is <code>REFRESH_TOKEN</code>. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"ExpirationTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Token expiration time, in ISO8601-UTC format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",

"member": {
"target": "com.amazonaws.licensemanager#TokenData"
}
},
"com.amazonaws.licensemanager#TokenString": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 4096
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#TokenType": {
"type": "enum",
"members": {
"REFRESH_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REFRESH_TOKEN"
}
}
}
},
"com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The digital signature method is unsupported. Try your request
again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#UntagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UntagResourceResponse"
},

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        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Removes the specified tags from the specified license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#UntagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "TagKeys": {
                "target": "com.amazonaws.licensemanager#TagKeyList",
                "traits": {
                    "smithy.api#documentation": "<p>Keys identifying the tags to remove.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UntagResourceResponse": {
        "type": "structure",
        "members": {},
```

"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Modifies the attributes of an existing license configuration. "
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},

"LicenseConfigurationStatus": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
"traits": {
"smithy.api#documentation": " New status of the license configuration. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " New license rule. The only rule that you can add after you create a license\n configuration is licenseAffinityToHost. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",

"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits":
{
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},

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            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to update.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types are supported:</p>\n        <ul>\n            <li>\n                <p>License configuration report - Reports the number and details of consumed licenses for a license configuration.</p>\n            </li>\n            <li>\n                <p>Resource report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n            </li>\n        </ul>",
                    "smithy.api#required": {}
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
                    "smithy.api#documentation": "<p>The report context.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportFrequency": {
                "target": "com.amazonaws.licensemanager#ReportFrequency",
```

"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},

```
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },

            {
                "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
            },
            {
                "target": "com.amazonaws.licensemanager#LicenseUsageException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified
Amazon Web Services resource.</p>\n        <p>You can update the license specifications of AMIs, instances, and
hosts.\n        You cannot update the license specifications for launch templates and CloudFormation templates, \n
  as they send license configurations to the operation that creates the resource.</p>"
        }
    },

    "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services
resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "AddLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
                }
            },
            "RemoveLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation":
 "<p>ARNs of the license configurations to remove.</p>"
                }
```

```
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
         },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
    }
},
"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
    "type": "structure",
    "members": {
        "S3BucketArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
Manager information is stored. "
}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Enables integration with Organizations for cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Activates cross-account discovery. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UsageOperation": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
}
}
},
"com.amazonaws.licensemanager#ValidationException": {

```
        "type": "structure",
        "members": {
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

      "smithy.api#error": "client",
          "smithy.api#httpError": 400
        }
      }
    }
}
```

1.6841 aws-sdk-go-v2-service-ssooidc 1.26.4

1.6841.1 Available under license :

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }
```

```
 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType
```

```
 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
```

```
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack,
c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
```

```
 return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
 return err
 }
 if err = addRecursionDetection(stack); err != nil {
 return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
 return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
 return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
 return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
 return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
 return err
 }
 if err = addSpanBuildRequestEnd(stack); err !=
 nil {
 return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
name: License Scan

on: [pull_request]
```

```
jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
       uses: actions/checkout@v2
       with:
         path: new-ref
         fetch-depth: 0
     - name: Get Diff
       run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
     - name: Get Target Files
       run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
     - name: Checkout scancode
       uses: actions/checkout@v2
       with:
         repository: nexB/scancode-toolkit
         path: scancode-toolkit
         fetch-depth: 1
     - name: Set up Python ${{ matrix.python-version }}
        uses: actions/setup-python@v2
       with:
         python-version: ${{ matrix.python-version }}
     # ScanCode
     - name: Self-configure scancode
       working-directory: ./scancode-toolkit
       run: ./scancode --help
     - name: Run Scan code on target
       run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
     - name: Run Scan code on pr ref
       run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
     # compare
     - name: License test
       run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
```

```
are the same. Success."; exit 0; fi
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}
```

```
type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
 err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
```

```
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if
 err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err
 != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
{
   "smithy": "2.0",
   "shapes": {
       "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
           "type": "structure",
           "members": {
               "message": {
                   "target": "smithy.api#String"
               }
           },
           "traits": {
               "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
               "smithy.api#error": "client"
           }
       },
       "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
           "type": "structure",
           "members": {
```

"DirectoryId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Directory",
"traits": {
"smithy.api#documentation": " The directory ID for an Active Directory identity provider. "
}
},
"ActiveDirectorySettings":
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings",
"traits": {
"smithy.api#documentation": " The <code>ActiveDirectorySettings</code> resource contains details about \n\t\t\tthe Active Directory, including network access details such as domain name and IP \n\t\t\taddresses, and the credential provider for user administration. "
}
},
"ActiveDirectoryType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType",
"traits": {
"smithy.api#documentation": " The type of Active Directory either a self-managed Active Directory or an \n\t\t\tAmazon Web Services Managed Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about an Active Directory identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings": {
"type": "structure",
"members": {
"DomainName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name for the Active Directory. "
}
},
"DomainIpv4List": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IpV4List",
"traits": {
"smithy.api#documentation": " A list of domain IPv4 addresses that are used for the Active Directory. ",
"smithy.api#length": {
"min": 1,
"max": 2
}
}
},

"DomainCredentialsProvider": {
"target":
"com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
"traits": {
"smithy.api#documentation": " Points to the <code>CredentialsProvider</code> resource that contains \n\t\t\tinformation about the credential provider for user administration. "
}
},
"DomainNetworkSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings",
"traits": {
"smithy.api#documentation": " The <code>DomainNetworkSettings</code> resource contains an array of \n\t\t\tsubnets that apply for the Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains network access and credential details that are needed for \n\t\t\tuser administration in the Active Directory. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType":
{
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "SELF_MANAGED",
"value": "SELF_MANAGED",
"documentation": "SELF_MANAGED type of Active Directory"
},
{
"name": "AWS_MANAGED",
"value": "AWS_MANAGED",
"documentation": "AWS_MANAGED type of Active Directory"
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#Arn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-zA-Z0-9-\\.]{1,510}/[a-zA-Z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUser":

{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Associates the user to an EC2 instance to utilize user-based subscriptions. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your\n\t\t\t\tmonthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http":
{
"code": 200,
"method": "POST",
"uri": "/user/AssociateUser"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {

"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance that provides the user-based subscription. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The identity provider for the user. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains information for the user to associate. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply for the user association. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",

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                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
        "type": "integer"
    },
    "com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
             }
        },
        "traits": {
            "smithy.api#documentation": "<p>The request couldn't be completed because it conflicted with the current
state of the\n\t\t\tresource.</p>",
            "smithy.api#error": "server"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },

          {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
```

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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a network endpoint for the Remote Desktop Services (RDS) license server.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/license-server/CreateLicenseServerEndpoint"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest": {
        "type": "structure",
        "members": {
            "IdentityProviderArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the <code>IdentityProvider</code> resource that contains details \n\t\t\tabout a registered identity provider. In the case of Active Directory, that can be \n\t\t\ta self-managed Active Directory or an Amazon Web Services Managed Active Directory that contains user identity details.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseServerSettings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings",
                "traits": {
                    "smithy.api#documentation": "<p>The <code>LicenseServerSettings</code> resource to create for the endpoint. The \n\t\t\tsettings include the type of license server and the Secrets Manager secret that \n\t\t\tenables administrators to add or remove users associated with the \n\t\t\tlicense server.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The tags that apply for the license server endpoint.</p>"
                }
```

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            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse":
 {
        "type": "structure",
        "members": {
            "IdentityProviderArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider
specified in the request.</p>"
                }
            },
            "LicenseServerEndpointArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The ARN of the <code>LicenseServerEndpoint</code>
resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider": {
        "type": "union",
        "members": {
            "SecretsManagerCredentialsProvider":
 {
                "target": "com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider",
                "traits": {
                    "smithy.api#documentation": "<p>Identifies the Secrets Manager secret that contains credentials
needed for \n\t\t\tuser administration in the Active Directory.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Contains information about the credential provider for user
\n\t\t\tadministration.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint": {
        "type": "operation",
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"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

}
],
"traits": {
"smithy.api#documentation": " Deletes a <code>LicenseServerEndpoint</code> resource. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/DeleteLicenseServerEndpoint"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest": {
"type": "structure",
"members": {
"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the
<code>LicenseServerEndpoint</code> \n\t\t\tresource to delete. ",

"smithy.api#required": {}
}
},
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of License Server that the delete request refers to. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse": {
"type": "structure",
"members": {
"LicenseServerEndpoint": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint",
"traits": {
"smithy.api#documentation": " Shows details from the <code>LicenseServerEndpoint</code> resource that was deleted. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},

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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deregisters the Active Directory identity provider from License
Manager user-based subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/DeregisterIdentityProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest":
 {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the Active Directory identity
provider.</p>"
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
                }
            },
            "IdentityProviderArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
```

"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the identity provider to deregister. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#Directory":
{
"type": "string",
"traits": {
"smithy.api#pattern": "^(d|sd)-[0-9a-f]{10}$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},

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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
             {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/DisassociateUser"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest":
 {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the Active Directory identity provider for the
user.</p>"
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance which provides user-based
subscriptions.</p>"
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
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"smithy.api#documentation": " An object that specifies details for the Active Directory identity provider. "

}
},
"InstanceUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the user to disassociate from the EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains information for the user to disassociate. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings": {
"type": "structure",
"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " Contains a list of subnets that apply for the Active Directory domain. ",
"smithy.api#length": {

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                "min": 1
            },
            "smithy.api#required": {}

        }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Contains network settings for the Active Directory domain.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Filter": {
        "type": "structure",
        "members": {
            "Attribute": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of an attribute to use as a filter.</p>"
                }
            },
            "Operation": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The type of search (For example, eq, geq, leq)</p>"
                }
            },
            "Value": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation":
 "<p>Value of the filter.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A filter name and value pair that is used to return more specific results
from a describe\n\t\t\tor list operation. You can use filters can be used to match a set of resources by specific
\n\t\t\tcriteria, such as tags, attributes, or IDs.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#FilterList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
        "type": "union",
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"members": {
"ActiveDirectoryIdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
"traits": {

"smithy.api#documentation": " The <code>ActiveDirectoryIdentityProvider</code> resource contains settings \n\t\t\tand other details about a specific Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation": " Refers to an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The <code>IdentityProvider</code> resource contains information about \n\t\t\tan identity provider. ",
"smithy.api#required": {}
}
},
"Settings": {

"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The <code>Settings</code> resource contains details about the registered \n\t\t\tidentity providers product related configuration settings, such as the \n\t\t\tsubnets to provision VPC endpoints. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the identity provider. ",

"smithy.api#required": {}
}
},
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider. "
}
},
"FailureMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The failure message associated with an identity provider. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of an EC2 instance resource. ",
"smithy.api#required": {}
}
},
"Products": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
"traits":

{
"smithy.api#documentation": " A list of provided user-based subscription products. ",
"smithy.api#required": {}
}
},
"LastStatusCheckDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date of the last status check. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for an EC2 instance. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {

"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance that provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {

"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The <code>IdentityProvider</code> resource specifies details \n\t\t\tabout the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a user associated with an EC2 instance. ",
"smithy.api#required": {}
}
},
"InstanceUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the instance user. "
}

},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for users of an EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains the user information for the product subscription. "
}
},
"AssociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was associated with an EC2 instance. "
}
},
"DisassociationDate": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The date a user was disassociated from an EC2 instance. "
}

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            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes users of an EC2 instance providing user-based
subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
            "smithy.api#error": "server",
             "smithy.api#httpError": 500
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IpV4": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^(?:(25[0-5]|2[0-4][0-9]|1[0-9][0-9]|[1-9][0-9]|[0-9])(\\.(?!$)|$)){4}$"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IpV4List": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IpV4"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
        "type": "service",
        "version": "2018-05-10",
        "operations": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint"
```

},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#TagResource"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#UntagResource"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
}
],

"traits": {
"aws.api#service": {
"sdkId": "License Manager User Subscriptions",
"arnNamespace": "license-manager-user-subscriptions",
"cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
},
"aws.auth#sigv4": {
"name": "license-manager-user-subscriptions"
},
"aws.protocols#restJson1": {},
"smithy.api#cors": {
"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id",
"content-length",
"x-api-key",

"authorization",
"x-amz-date",
"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n\t\ta per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {

"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured
endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
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{
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{
"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
]
}
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{
"fn": "booleanEquals",
"argv": [
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"ref": "UseFIPS"
},
true
]
}

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"fn": "booleanEquals",
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                    "type": "error"
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                            "ref": "Endpoint"
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                    "headers": {}
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                    "type": "endpoint"
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            "type": "tree"
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                    "argv": [
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                            "ref": "Region"
                        }
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                    "conditions": [
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                            "argv":
[
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                            "assign": "PartitionResult"
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                                                "fn": "getAttr",
                                                "argv": [
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                                                        "ref": "PartitionResult"
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                                    },
                                    "supportsFIPS"
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                        ]
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                                "fn": "getAttr",
                                "argv": [
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                                        "ref": "PartitionResult"
                                    },
                                    "supportsDualStack"
                                ]
                            }
                        ]

                    }
                ],
                "rules": [
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                        "conditions": [],
                        "endpoint": {
                            "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                            "properties": {},
                            "headers": {}
                        },
                        "type": "endpoint"
                    }
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                        "conditions": [],
                        "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
                        "type": "error"
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                "type": "tree"
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                              "argv": [
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                                  "argv": [
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                                      "ref": "PartitionResult"
                                    },
                                    "supportsFIPS"
                                  ]
                                },
                                true
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                            }
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                                 "properties": {},
                                "headers": {}
                              },
                              "type": "endpoint"
                            }
                          ],
                          "type": "tree"
                        },
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"type": "error"
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"argv": [
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},
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"fn": "booleanEquals",
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"fn": "getAttr",
"argv": [
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"ref": "PartitionResult"
},
"supportsDualStack"
]
}

]
}
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"rules": [
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"conditions": [],
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"properties": {},

"headers": {}
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"type": "endpoint"
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"type": "tree"
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"conditions": [],
"error": "DualStack is enabled but this partition does not support DualStack",
"type": "error"
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"type": "tree"
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"conditions": [],
"endpoint": {
"url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},
"headers": {}
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"type": "endpoint"
}
],
"type": "tree"
}
],
"type": "tree"
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{
"conditions": [],
"error": "Invalid Configuration: Missing Region",
"type": "error"
}
]
},
"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint":
{
"url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
}
},

"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
}
},
"params": {
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"UseDualStack": false
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"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
}
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
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{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
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"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
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{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
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"params": {
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"UseDualStack":
false
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},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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"params": {
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"UseDualStack": false
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
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}
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack":
true
}
},

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                }
              },
              "params": {
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                "UseDualStack": false
              }
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              "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "error": "FIPS and DualStack are enabled, but this partition
does not support one or both"
              },
              "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": true,
                "UseDualStack": true
              }
            },
            {
              "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
                }
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                "UseFIPS": true,
                "UseDualStack": false
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              "expect": {
                "error": "DualStack is enabled but this partition does not support DualStack"
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                "UseFIPS": false,
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            }
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            "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
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                }
            },

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                "UseDualStack": false
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            "expect": {
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            "params": {
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                "UseDualStack": true
            }
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        {
            "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",

"expect": {
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                    "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
                }
            },
            "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": true,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
                "error": "DualStack is enabled but this partition does not support DualStack"
            },
            "params": {
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"UseFIPS": false,

"UseDualStack": true
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"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {

"url": "https://example.com"
}
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
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"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
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"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
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                    "expect": {
                        "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
                    },
                    "params": {
                        "Region": "us-east-1",
                        "UseFIPS": true,
                        "UseDualStack": false,
                        "Endpoint": "https://example.com"
                    }
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                {
                    "documentation": "For custom endpoint with fips disabled and dualstack enabled",
                    "expect": {
                        "error": "Invalid Configuration: Dualstack and custom endpoint are
not supported"
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                    "params": {
                        "Region": "us-east-1",
                        "UseFIPS": false,
                        "UseDualStack": true,
                        "Endpoint": "https://example.com"
                    }
                },
                {
                    "documentation": "Missing region",
                    "expect": {
                        "error": "Invalid Configuration: Missing Region"
                    }
                }
            ],
            "version": "1.0"
        }
    }
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"com.amazonaws.licensemanagerusersubscriptions#LicenseServer": {
    "type": "structure",
    "members": {
        "ProvisioningStatus": {
            "target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
            "traits": {
                "smithy.api#documentation": "<p>The current state of the provisioning process for the RDS
\n\t\t\tlicense server.</p>"
            }
        },
        "HealthStatus": {
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"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus",
"traits": {
"smithy.api#documentation": " The health status of the RDS license server. "
}
},
"Ipv4Address": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A list of domain IPv4 addresses that are used for the RDS \n\t\t\tlicense server. "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a Remote Desktop Services (RDS) license server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint": {
"type": "structure",
"members": {
"IdentityProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider that's associated with \n\t\t\tthe RDS license server endpoint. "
}
},
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of license server. "
}
},
"ServerEndpoint": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint",
"traits": {
"smithy.api#documentation": " The <code>ServerEndpoint</code> resource contains the network \n\t\t\taddress of the RDS license server endpoint. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The message associated with the provisioning status, if there is one. "
}

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            },
            "LicenseServerEndpointId": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the license server endpoint.</p>"
                }
            },
            "LicenseServerEndpointArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation":
 "<p>The ARN of the <code>ServerEndpoint</code> resource for the RDS \n\t\t\tlicense server.</p>"
                }
            },
            "LicenseServerEndpointProvisioningStatus": {
                "target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
                "traits": {
                    "smithy.api#documentation": "<p>The current state of the provisioning process for the RDS license
\n\t\t\tserver endpoint</p>"
                }
            },
            "LicenseServers": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of <code>LicenseServer</code> resources that represent
the \n\t\t\tlicense servers that are accessed through this endpoint.</p>"
                }
            },
            "CreationTime": {

        "target": "smithy.api#Timestamp",
                "traits": {
                    "smithy.api#documentation": "<p>The timestamp when License Manager created the license server
endpoint.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Contains details about a network endpoint for a Remote Desktop
Services (RDS) \n\t\t\tlicense server.</p>"
        }
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    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId": {
        "type": "string"
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    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList": {
        "type": "list",
```

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        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint"
        }
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    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus": {
        "type": "string",
        "traits":
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            "smithy.api#enum": [
                {
                    "name": "PROVISIONING",
                    "value": "PROVISIONING",
                    "documentation": ""
                },
                {
                    "name": "PROVISIONING_FAILED",
                    "value": "PROVISIONING_FAILED",
                    "documentation": ""
                },
                {
                    "name": "PROVISIONED",
                    "value": "PROVISIONED",
                    "documentation": ""
                },
                {
                    "name": "DELETING",
                    "value": "DELETING",
                    "documentation": ""
                },
                {
                    "name": "DELETION_FAILED",
                    "value": "DELETION_FAILED",
                    "documentation": ""
                },
                {
                     "name": "DELETED",
                    "value": "DELETED",
                    "documentation": ""
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "HEALTHY",
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"value": "HEALTHY",
"documentation": ""
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{
"name": "UNHEALTHY",
"value": "UNHEALTHY",
"documentation": ""
},
{
"name": "NOT_APPLICABLE",
"value": "NOT_APPLICABLE",
"documentation": ""
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerList":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServer"
}
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"com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings": {
"type": "structure",
"members": {
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of license server. ",
"smithy.api#required": {}
}
},
"ServerSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerSettings",
"traits": {
"smithy.api#documentation": " The <code>ServerSettings</code> resource contains the settings for your \n\t\t\tserver. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The settings to configure your license server. "
}
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"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
},
"errors": [
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"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Active Directory identity providers for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/ListIdentityProviders"
},

"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "IdentityProviderSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {

"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Product \n \n \n DirectoryId \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse": {
"type": "structure",
"members": {
"IdentityProviderSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
"traits": {

"smithy.api#documentation": " An array of <code>IdentityProviderSummary</code> resources that contain \n\t\t\tdetails about the Active Directory identity providers that meet the request criteria. ",
"smithy.api#required": {}
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}

```
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
        "type": "operation",
        "input": {

"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/instance/ListInstances"
            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
```

"pageSize": "MaxResults",
"items": "InstanceSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
"type": "structure",
"members": {
"MaxResults": {

"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Status \n \n \n InstanceId \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
"type": "structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
"traits": {
"smithy.api#documentation": " An array of <code>InstanceSummary</code> resources that contain details \n\t\t\tabout the instances that provide user-based subscriptions and also meet the \n\t\t\trequest criteria. "
}
},
"NextToken": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List the Remote Desktop Services (RDS) License Server endpoints ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/ListLicenseServerEndpoints"
},

"smithy.api#paginated": {

"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "LicenseServerEndpoints"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. ",
"smithy.api#range": {
"min": 1,
"max": 100
}
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n
\n \n IdentityProviderArn \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse": {
"type": "structure",
"members": {
"LicenseServerEndpoints": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList",

"traits": {
"smithy.api#documentation": " An array of <code>LicenseServerEndpoint</code> resources that \n\t\t\tcontain detailed information about the RDS License Servers that meet \n\t\t\tthe request criteria. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

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            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity
provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/ListProductSubscriptions"
            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "ProductUserSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
        "type":
 "structure",
        "members": {
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {

                    "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
```

"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n
\n \n Status \n \n \n Username \n
\n \n Domain \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
"type": "structure",
"members": {
"ProductUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions
operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to
retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest"
},

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        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

      }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Returns the list of tags for the specified resource.</p>",
            "smithy.api#http": {
                "method": "GET",
                "uri": "/tags/{ResourceArn}"
            },
            "smithy.api#readonly": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource whose tags
you want to retrieve.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {

   "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
                "traits": {
```

"smithy.api#documentation": " The tags for the specified resource. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits":
{
"smithy.api#documentation": " Lists user associations for an identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListUserAssociations"
},
"smithy.api#paginated": {

"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required":
{}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Status \n \n \n Username \n \n \n Domain \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
}

```
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
        "type": "structure",
        "members": {
            "InstanceUserSummaries": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
                 "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to retrieve additional objects.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>The user name from the identity provider for this product
user.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
```

"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The status of a product for this user. ",
"smithy.api#required": {}
}
},
"ProductUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) for this product user. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for a product for this user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory
that contains the user information for the product subscription. "
}
},
"SubscriptionStartDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The start date of a subscription. "
}
},
"SubscriptionEndDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The end date of a subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " A summary of the user-based subscription products for a specific
user. "

```
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
         }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings": {
        "type": "structure",
        "members": {
            "RdsSalCredentialsProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
                "traits": {
                    "smithy.api#documentation": "<p>The <code>CredentialsProvider</code> resource contains a
reference to \n\t\t\tthe credentials provider that's used for RDS license server user administration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Server settings that are specific to a Remote Desktop Services (RDS)
license server.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
        "type":
 "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Registers an identity provider for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/RegisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider to register. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration \n\t\t\tsettings such as the subnets to provision VPC endpoints. "
}
},
"Tags": {

"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply to the identity provider's registration. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,510})/([a-z0-9-\\.]{1,510})$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The resource couldn't be found. ",
"smithy.api#error": "client",
"smithy.api#httpError": 404
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider":

```
{
        "type": "structure",
        "members": {
          "SecretId": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The ID of the Secrets Manager secret that contains
credentials.</p>",
              "smithy.api#length": {
                "min": 1
              }
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Contains a credentials secret that's stored in Secrets Manager.</p>"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
        "type": "string",
        "traits": {
          "smithy.api#length": {
            "min": 5,
            "max": 200
          },
          "smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
         }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint": {
        "type": "structure",
        "members": {
          "Endpoint": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The network address of the endpoint.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>A network endpoint through which you can access one or more
servers.</p>"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ServerSettings": {
        "type": "union",
        "members": {
          "RdsSalSettings": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings",
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"traits": {
"smithy.api#documentation": " The <code>RdsSalSettings</code> resource contains settings to configure \n\t\t\ta specific Remote Desktop Services (RDS) license server. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains settings for a specific server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServerType": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "RDS_SAL",
"value": "RDS_SAL",
"documentation": ""
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request failed because a service quota is exceeded. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Settings": {
"type": "structure",
"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The subnets defined for the registered identity provider. ",
"smithy.api#length": {
"min": 1
},
"smithy.api#required": {}
}
},

"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound
TCP port 1688 communication between resources in\n\t\t\tyour VPC and the VPC endpoint for activation
servers. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings
such as the\n\t\t\tsubnets to provision VPC endpoints, and the security group ID that is associated with the
VPC\n\t\t\tendpoints. The security group should permit inbound TCP port 1688 communication from
resources\n\t\t\tin the VPC. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],

"traits": {
"smithy.api#documentation": " Starts a product subscription for a user with the specified identity provider. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your\n\t\t\t\tmonthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StartProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains the user for whom to start the product \n\t\t\tsubscription. "
}

```
            },
            "Tags": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The tags that apply to the product subscription.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse":
{
        "type": "structure",
        "members": {
            "ProductUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
        },

 "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
```

```
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],

    "traits": {
            "smithy.api#documentation": "<p>Stops a product subscription for a user with the specified identity
provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/StopProductSubscription"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>"
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An
 object that specifies details for the identity provider.</p>"
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
                }
```

```
            },
            "ProductUserArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the product user.</p>"
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The
 domain name of the  Active Directory that contains the user for whom to stop the product \n\t\t\tsubscription.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
        "type": "structure",
        "members": {
            "ProductUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StringList": {
        "type": "list",
         "member": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Subnet": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^subnet-[a-z0-9]{8,17}"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Subnets": {
```

```
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#TagKeyList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 50
        },
        "smithy.api#sensitive": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#TagResource": {

"type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Adds tags to a resource.</p>",
        "smithy.api#http": {
            "method": "PUT",
            "uri": "/tags/{ResourceArn}"
        },

"smithy.api#idempotent": {}
    }
},
```

"com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource that you want to tag. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags to apply to the specified resource. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#Tags": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},

"com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}

},
"traits": {
"smithy.api#documentation": " The request was denied because of request throttling. Retry the request. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#UntagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
}
],
"traits": {
"smithy.api#documentation": " Removes tags from a resource. ",
"smithy.api#http": {
"method": "DELETE",
"uri": "/tags/{ResourceArn}"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource that you want to remove tags from. ",

"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanagerusersubscriptions#TagKeyList",
"traits": {

"smithy.api#documentation": " The tag keys to remove from the resource. ",
"smithy.api#httpQuery": "tagKeys",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],

"traits": {
"smithy.api#documentation": " Updates additional product configuration settings for the registered identity\n\t\t\tprovider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/UpdateIdentityProviderSettings"
},
"smithy.api#idempotent": {}

}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider"
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n "
}
},
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider to update. "
}
},
"UpdateSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related configuration settings. You can\n\t\t\tupdate any combination of settings in a single operation such as the: \n \n \n Subnets which you want to add to provision VPC endpoints. \n \n \n Subnets which you want to remove the VPC endpoints from. \n \n \n Security group ID which permits traffic to the VPC endpoints. \n \n ",
"smithy.api#required": {}
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
"type": "structure",
"members": {
"AddSubnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets in which License Manager will create a VPC endpoint
for products that\n\t\t\trequire connectivity to activation servers. ",
"smithy.api#required": {}
}
},
"RemoveSubnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets to remove. ",
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688 communication between resources in\n\t\t\tyour VPC and the VPC endpoints for activation servers. "
}
}
},
"traits": {
"smithy.api#documentation":
" Updates the registered identity providers product related configuration settings such as\n\t\t\tthe subnets to provision VPC endpoints. "

```
            }
        },
        "com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
            "type": "structure",
            "members": {
                "message": {
                    "target": "smithy.api#String"
                }
            },
            "traits": {
                "smithy.api#documentation": "<p>A parameter is not valid.</p>",
                "smithy.api#error": "client"
            }
        }
    }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {
```

```
 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
```

```
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack,
options, "ListLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
```

```
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil
 {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
```

```
  OperationName: "ListLicenses",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 This member is required.
 ClientToken *string
```

```
// Configuration for consumption of the license. Choose a provisional
// configuration for workloads running with continuous connectivity. Choose a
// borrow configuration for workloads with offline usage.
//
// This member is required.
ConsumptionConfiguration *types.ConsumptionConfiguration

// License entitlements.
//
// This member is required.
Entitlements []types.Entitlement

// Home Region for the license.
//
// This member is required.
HomeRegion *string

// License issuer.
//
// This member is required.
Issuer *types.Issuer

// License name.
//
// This member is required.
LicenseName *string

// Product name.
//
// This member is required.
ProductName *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// Date and time range during which the license is valid, in ISO8601-UTC format.
//
// This member is required.
Validity *types.DatetimeRange

// Information about
the license.
LicenseMetadata []types.Metadata

noSmithyDocumentSerde
}
```

```
type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if
 err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
```

```
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err
= addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack);
 err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
```

```
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
```

```
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if
err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
```

```
 return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if
 err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
```

```
  OperationName: "CheckInLicense",
 }
}
ListLicenses
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
```

```
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata
```

```
 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err
 != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
```

```
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options);
err != nil {
 return err
}
if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
```

```
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
CheckoutLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
```

Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
DisassociateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever

OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AssociateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
```

```
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
```

```
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
```

```
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options);
err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
```

```
 return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
CheckInLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
```

setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AWS SDK for Go
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Copyright 2014-2015 Stripe, Inc.
ListReceivedLicenses
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody

```
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
```

```
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err !=
 nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
```

```
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err
 != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
```

```
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if
 err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
CreateLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
```

Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "shapes": {
      "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
          "type": "integer"
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
          "type": "long"
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
          "type": "operation",
          "input": {
              "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
          },
          "output": {
              "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
          },
          "errors": [
              {
                  "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            },

    {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions \n\t\t\tregistered to your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/DeregisterSubscriptionProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                 "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the subscription provider resource to deregister.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
        "type": "structure",
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"members": {
"Name": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of name to filter by. "
}
},
"Values": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " One or more values for the name to filter by. "
}
},
"Operator": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
"traits": {
"smithy.api#documentation": " An operator for filtering results. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},

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            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Get details for a Bring Your Own License (BYOL) subscription that's
registered to your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/GetRegisteredSubscriptionProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation":
 "<p>The Amazon Resource Name (ARN) of the BYOL registration resource to get details for.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) for the BYOL registration
resource specified in the request.</p>"
                }
            },
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
```

"traits": {
"smithy.api#documentation": " The subscription provider for the BYOL registration resource specified \n\t\t\tin the request. "
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " The status of the Linux subscription provider access token from the last \n\t\t\tsuccessful subscription data request. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The detailed message from your subscription provider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time License Manager retrieved subscription details \n\t\t\tfrom your registered third-party Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
"type": "operation",
"input": {
"target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
},
"errors": [

```
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the Linux subscriptions service settings for your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/GetServiceSettings"

         },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
        "type": "structure",
        "members": {}
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
                    "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
                }
            },
            "LinuxSubscriptionsDiscoverySettings": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
                "traits": {
                    "smithy.api#documentation": "<p>Lists
 the settings defined for Linux subscriptions discovery. The settings include if\n      Organizations integration has
been enabled, and which Regions data will be aggregated from.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
                }
```

```
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
                "traits": {
                    "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
                }
            },
            "HomeRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                 "traits": {
                    "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
        "type": "structure",
        "members": {
            "AmiId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
                }
            },
            "InstanceID": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
                }
            },
            "InstanceType": {
                "target": "smithy.api#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>The instance type of the resource.</p>"
                }
            },
            "AccountID": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The account ID which owns the instance.</p>"
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
```

"smithy.api#documentation": " The status of the instance. "
}
},
"Region": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},
"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the license subscription that the instance uses. "
}
},
"OsVersion": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The operating system software version that runs on your instance. "
}
},
"SubscriptionProviderCreateTime": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp when you registered
the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses. "
}
},
"SubscriptionProviderUpdateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that the instance synced with the
registered \n\t\t\tthird-party Linux subscription provider. "
}
},
"DualSubscription": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Indicates that you have two different license subscriptions for
\n\t\t\tthe same software on your instance. "
}
},
"RegisteredWithSubscriptionProvider": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " Indicates that your instance uses a BYOL license subscription from \n\t\t\ta
third-party Linux subscription provider that you've registered with License Manager. "
}
}
},
"traits": {
"smithy.api#documentation": " Details discovered information about a running instance using Linux
subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {

"smithy.api#documentation":
" An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
"type": "service",
"version": "2018-05-10",
"operations": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
}
],
"traits": {
"aws.api#service": {
"sdkId": "License Manager Linux Subscriptions",
"arnNamespace": "license-manager-linux-subscriptions",
"cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"

},
"aws.auth#sigv4": {
"name": "license-manager-linux-subscriptions"
},
"aws.protocols#restJson1": {},
"smithy.api#cors": {
"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager,
you can discover and track your commercial Linux subscriptions on running\n Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},

```
        "Endpoint": {
            "builtIn": "SDK::Endpoint",
            "required": false,
            "documentation": "Override the endpoint used to send this request",
            "type": "String"
        }
    },
    "rules": [
        {
            "conditions": [
                {
                    "fn": "isSet",
                    "argv": [
                        {
                            "ref": "Endpoint"
                        }
                    ]
                }
            ],
            "rules": [
                {
                    "conditions": [
                        {
                            "fn": "booleanEquals",
                            "argv": [
                                {
                                    "ref": "UseFIPS"
                                },
                                true
                            ]
                        }

],
                    "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                    "type": "error"
                },
                {
                    "conditions": [],
                    "rules": [
                        {
                            "conditions": [
                                {
                                    "fn": "booleanEquals",
                                    "argv": [
                                        {
                                            "ref": "UseDualStack"
                                        },
                                        true
```

```
                    ]

}
                    ],
                    "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                    "type": "error"
                },
                {
                    "conditions": [],
                    "endpoint": {
                        "url": {
                            "ref": "Endpoint"
                        },
                        "properties": {},
                        "headers": {}
                    },
                    "type": "endpoint"
                }
            ],
            "type": "tree"

        }
        ],
        "type": "tree"
    },
    {
        "conditions": [],
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "isSet",
                        "argv": [
                            {
                                "ref": "Region"
                            }
                        ]
                    }
                ],
                "rules": [
                    {
                        "conditions": [
                            {

        "fn": "aws.partition",
                                "argv": [
                                    {
                                        "ref": "Region"
```

```
                    }
                ],
                "assign": "PartitionResult"
            }
        ],
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            {

                      "ref": "UseFIPS"
                            },
                            true
                        ]
                    },
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            {
                                "ref": "UseDualStack"
                            },
                            true
                        ]
                    }

],
                "rules": [
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    true,
                                    {
                                        "fn": "getAttr",
                                        "argv": [
                                            {
                                                "ref": "PartitionResult"

},
                                            "supportsFIPS"
                                        ]
                                    }
                                ]
                            },
```

```
                                        {
                                          "fn": "booleanEquals",
                                          "argv": [
                                            true,
                                            {
                                              "fn": "getAttr",
                                              "argv": [

                                               {
                                                  "ref": "PartitionResult"
                                                },
                                                "supportsDualStack"
                                              ]
                                            }
                                          ]
                                        }
                                      ],
                                      "rules": [
                                        {
                                          "conditions": [],

        "rules": [
                                            {
                                              "conditions": [],
                                              "endpoint": {
                                                "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                                "properties": {},
                                                "headers": {}
                                              },
                                              "type": "endpoint"
                                            }
                                          ],

                          "type": "tree"
                                        }
                                      ],
                                      "type": "tree"
                                    },
                                    {
                                      "conditions": [],
                                      "error": "FIPS and DualStack are enabled, but this partition does not support
one or both",

                                      "type": "error"
                                    }
                                  ],
                                  "type": "tree"
                                },
```

```
{

"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"
},
true
]
}
],
"rules": [
{
"conditions": [
{

"fn": "booleanEquals",
"argv": [
{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsFIPS"
]
},
true

]
}
],
"rules": [
{
"conditions": [],
"rules": [
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",

"properties": {},
"headers": {}
},
"type": "endpoint"
```

```
                    }
                ],
                "type": "tree"
            }
        ],
        "type": "tree"
    },
    {
        "conditions": [],
        "error": "FIPS is enabled
but this partition does not support FIPS",
        "type": "error"
    }
],
"type": "tree"
},
{
"conditions": [
    {
        "fn": "booleanEquals",
        "argv": [
            {
                "ref": "UseDualStack"
            },
            true

]
    }
],
"rules": [
    {
        "conditions": [
            {
                "fn": "booleanEquals",
                "argv": [
                    true,
                    {
                        "fn": "getAttr",
                        "argv": [
                            {

                                "ref": "PartitionResult"
                            },
                            "supportsDualStack"
                        ]
                    }
                ]
            }
```

```
                                    ],
                                    "rules": [
                                      {
                                        "conditions": [],
                                        "rules": [

        {
                                            "conditions": [],
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                                              "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                              "properties": {},
                                              "headers": {}
                                            },
                                            "type": "endpoint"
                                          }
                                        ],
                                        "type": "tree"

                    }
                                    ],
                                    "type": "tree"
                                  },
                                  {
                                    "conditions": [],
                                    "error": "DualStack is enabled but this partition does not support DualStack",
                                    "type": "error"
                                  }
                                ],
                                "type": "tree"
                              },
                              {
                                "conditions": [],
                                "rules": [
                                  {
                                    "conditions": [],
                                    "endpoint": {
                                      "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
                                      "properties": {},
                                      "headers": {}
                                    },
                                    "type": "endpoint"
                                  }
                                ],
                                "type": "tree"
                              }
                            ],
```

"type": "tree"
}
],
"type": "tree"
},
{
"conditions": [],
"error": "Invalid Configuration: Missing Region",
"type": "error"
}
],
"type": "tree"
}
]
},
"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"

}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{

"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {

"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{

"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",

"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{

"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {

"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
}

},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {

"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}

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            },
            {
              "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
                }
              },
              "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": true,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
enabled",
              "expect": {
                "error": "DualStack is enabled but this partition does not support DualStack"
              },
              "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": false,
                "UseDualStack": true
              }
            },
            {
              "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
                }
              },
              "params": {
                "Region": "us-iso-east-1",
                "UseFIPS":
false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
              },
              "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": true,
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"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}

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    },
                "params": {
                  "Region": "us-east-1",
                  "UseFIPS": false,
                  "UseDualStack": false,
                  "Endpoint": "https://example.com"
                }
              },
              {
                "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
                "expect": {
                  "endpoint": {
                    "url": "https://example.com"
                  }
                },
                "params": {
                  "UseFIPS": false,
                  "UseDualStack": false,
                  "Endpoint": "https://example.com"
                }
              },
              {

                "documentation": "For custom endpoint with fips enabled and dualstack disabled",
                "expect": {
                  "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
                },
                "params": {
                  "Region": "us-east-1",
                  "UseFIPS": true,
                  "UseDualStack": false,
                  "Endpoint": "https://example.com"
                }
              },
              {
                "documentation": "For custom endpoint with fips disabled and dualstack enabled",
                "expect": {
                  "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
                },
                "params": {

 "Region": "us-east-1",
                  "UseFIPS": false,
                  "UseDualStack": true,
                  "Endpoint": "https://example.com"
                }
              },
```

```
                {
                    "documentation": "Missing region",
                    "expect": {
                        "error": "Invalid Configuration: Missing Region"
                    }
                }
            ],
            "version": "1.0"
        }
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
    "type": "string",
    "traits": {
        "smithy.api#enum": [
            {
                "name": "Enabled",
                "value": "Enabled",
                "documentation": "Enabled LinuxSubscriptionsDiscovery"

 },
            {
                "name": "Disabled",
                "value": "Disabled",
                "documentation": "Disabled LinuxSubscriptionsDiscovery"
            }
        ]
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
    "type": "structure",
    "members": {
        "SourceRegions": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
            "traits": {
                "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
                "smithy.api#required": {}
            }
        },
        "OrganizationIntegration": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
            "traits": {
                "smithy.api#documentation":
 "<p>Details if you have enabled resource discovery across your accounts in Organizations.</p>",
                "smithy.api#required": {}
            }
        }
```

```
        },
        "traits": {
            "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },

  {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the running Amazon EC2 instances that were discovered with
commercial Linux\n      subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListLinuxSubscriptionInstances"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "Instances"
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":
 {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
```

"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results by your specified criteria. \n \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the \n \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n \t<code>Value</code>, such as <code>us-west</code>. \n For each filter, you can specify one of the following values for the <code>Name</code> key \n \tto streamline results: \n \n \n \n <code>AccountID</code>\n \n \n \n \n <code>AmiID</code>\n \n \n \n \n <code>DualSubscription</code>\n \n \n \n \n <code>InstanceID</code>\n \n \n \n \n <code>InstanceType</code>\n \n \n \n \n <code>ProductCode</code>\n \n \n \n \n <code>Region</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>UsageOperation</code>\n \n \n \n For each filter, you can use one of the following <code>Operator</code>
values to \n \t\tdefine the behavior of the filter: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to
start paginating. This \n\tis the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
"type": "structure",
"members": {

"Instances": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
"traits": {
"smithy.api#documentation": " An array that contains instance objects. "
}
},
"NextToken": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptions"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",

"outputToken": "NextToken",
"pageSize": "MaxResults",

"items": "Subscriptions"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't match a certain subscription's name. \n The valid names for this filter are: \n \n \n \n <code>Subscription</code>\n \n \n \n The
valid Operators for this filter are: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis
the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
}
},

"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
"type": "structure",
"members": {
"Subscriptions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
"traits": {
"smithy.api#documentation": " An array that contains subscription objects. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List Bring Your Own License (BYOL) subscription registration resources for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListRegisteredSubscriptionProviders"

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            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "RegisteredSubscriptionProviders"
            }
        }

    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSources": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
                "traits": {
                    "smithy.api#documentation": "<p>To filter your results, specify which subscription providers to
return \n\t\t\tin the list.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>",
                    "smithy.api#range": {
                        "min": 1,
                        "max": 100
                    }
                }

  },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis the
nextToken from a previously truncated response.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
        "type": "structure",
        "members": {
            "RegisteredSubscriptionProviders": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
"traits": {
"smithy.api#documentation": " The list of BYOL registration resources that fit the criteria \n\t\t\tyou specified in the request. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List the metadata tags that are assigned to the \n\t\t\tspecified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "GET",
"uri": "/tags/{resourceArn}"
},
"smithy.api#readonly": {}

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource for which to
list metadata tags.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags for the requested resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "EQUAL",
                    "value": "Equal",
                    "documentation": "Equal operator"
                },
                {
                    "name": "NOT_EQUAL",
                    "value": "NotEqual",
                    "documentation": "Not equal operator"
                },
                {
```

"name": "CONTAINS",
"value": "Contains",
"documentation": "Contains operator"
}
],
"smithy.api#length": {
"min": 1,
"max": 20
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled OrganizationIntegration"
},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled OrganizationIntegration"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
"type": "list",
"member": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Register the supported third-party subscription provider for your Bring Your Own License (BYOL) subscription. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/RegisterSubscriptionProvider"

},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " The supported Linux subscription provider to register. ",
"smithy.api#required": {}
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the secret where you've stored your subscription provider's access token. For \n\t\t\tRHEL subscriptions managed through the Red Hat Subscription Manager (RHSM), the secret contains \n\t\t\tyour Red Hat Offline token. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to your registered Linux subscription provider \n\t\t\tresource. "
}
}
},
"traits": {
"smithy.api#input": {}
}

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation":
 "<p>The Linux subscription provider that you registered.</p>"
                }
            },
            "SubscriptionProviderArn": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
                }
            },
            "SubscriptionProviderStatus": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of the registration action for the Linux
subscription provider \n\t\t\tthat you requested.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider":
 {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
                }
            },
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation": "<p>A supported third-party Linux subscription provider. License
Manager currently supports \n\t\t\tRed Hat subscriptions.</p>"
                }
            },
```

"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Secrets Manager secret that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is the offline token. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " Indicates the status of your registered Linux subscription provider access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions, \n\t\t\tthis is the status of the offline token. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " A detailed message that's associated with your BYOL subscription \n\t\t\tprovider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that License Manager accessed third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#documentation": " A third-party provider for operating system (OS) platform software and license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider, License Manager can get subscription data from the registered provider. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {

```
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Unable to find the requested Amazon Web Services resource.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-
\\.]{0,63}:secret:[^/]{1,1023}$"

  }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "InProgress",
                    "value": "InProgress",
                    "documentation": "InProgress status"
                },
                {
                    "name": "Completed",
                    "value": "Completed",
                    "documentation": "Completed status"
                },
                {
                    "name": "Successful",
                    "value": "Successful",
                    "documentation": "Successful status"
                },
                {
                    "name": "Failed",
                    "value": "Failed",
                    "documentation": "Failed status"
                }
            ]
        }
    },

   "com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
        "type": "list",
        "member": {
```

"target": "smithy.api#String",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}
}
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
},
"smithy.api#uniqueItems": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
"type": "structure",
"members": {
"Name":
{
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the subscription. "
}
},
"Type": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS. "
}
},
"InstanceCount": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
"traits": {
"smithy.api#documentation": " The total amount of running instances using this

subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " An object which details a discovered Linux subscription. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
"type": "string",
"traits": {
"smithy.api#enum": [

{
"name": "RedHat",
"value": "RedHat",
"documentation": "RedHat subscription provider namespace"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "ACTIVE",
"value": "ACTIVE",
"documentation": "ACTIVE status"

```
            },
            {
                "name": "INVALID",
                "value": "INVALID",

"documentation": "INVALID status"
            },
            {
                "name": "PENDING",
                "value": "PENDING",
                "documentation": "PENDING status"
            }
        ]
    }
  },
  "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 50
        },
        "smithy.api#sensitive": {}
    }
  },
  "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
     },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
        }
    ],
    "traits": {
```

"smithy.api#documentation": " Add metadata tags to the specified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "PUT",
"uri": "/tags/{resourceArn}"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
"type": "structure",
"members":
{
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to which to add the specified \n\t\t\tmetadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to the Amazon Web Services resource. Tags are \n\t\t\tformatted as key value pairs. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
"type": "map",
"key": {
"target": "smithy.api#String"
},

"value": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation":
" The request was denied due to request throttling. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
}
],
"traits": {
"smithy.api#documentation": " Remove one or more metadata tag from the specified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "DELETE",
"uri": "/tags/{resourceArn}"
},
"smithy.api#idempotent": {}

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
        "type": "structure",
        "members": {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to remove the metadata tags from.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "tagKeys": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
                "traits": {

            "smithy.api#documentation": "<p>A list of metadata tag keys to remove from the requested
\n\t\t\tresource.</p>",
                    "smithy.api#httpQuery": "tagKeys",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"

     },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates the service settings for Linux subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/UpdateServiceSettings"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
                    "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
                    "smithy.api#required": {}
                }
            },
            "LinuxSubscriptionsDiscoverySettings": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
                "traits": {
                    "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The
settings include if Organizations\n      integration has been enabled, and which Regions data will be aggregated
from.</p>",
                    "smithy.api#required": {}
                }
            },
            "AllowUpdate": {
                "target":
 "smithy.api#Boolean",
                "traits": {
                    "smithy.api#documentation": "<p>Describes if updates are allowed to the service settings for Linux
subscriptions. If you\n      allow updates, you can aggregate Linux subscription data in more than one home
Region.</p>"
                }
            }
        }
    },
```

"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}

},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},

"traits": {
"smithy.api#documentation": " The provided input is not valid. Try your request again. ",
"smithy.api#error": "client"
}
}
}
}
}

GetLicense

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

spanInitializeEnd

Serialize stack step

spanBuildRequestStart

setOperationInput

ResolveEndpoint

OperationSerializer

Build stack step

ClientRequestID

ComputeContentLength

UserAgent

AddTimeOffsetMiddleware

RecursionDetection

spanBuildRequestEnd

Finalize stack step

ResolveAuthScheme

GetIdentity

ResolveEndpointV2

disableHTTPS

ComputePayloadHash

spanRetryLoop

Retry

RetryMetricsHeader

setLegacyContextSigningOptions

Signing

Deserialize stack step

AddRawResponseToMetadata

ErrorCloseResponseBody

CloseResponseBody

ResponseErrorWrapper

RequestIDRetriever

OperationDeserializer

AddTimeOffsetMiddleware

RecordResponseTiming

RequestResponseLogger

```
CheckoutBorrowLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
```

```
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
```

```
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
```

```
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack,
c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
```

```
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err !=
 nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
```

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```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

```
// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
   - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {
```

```
 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
```

```
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err =
 addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err !=
```

```
 nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
DeleteLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
```

GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "metadata": {
      "suppressions": [
          {
              "id": "HttpMethodSemantics",
              "namespace": "*"
          },
          {
              "id": "HttpResponseCodeSemantics",
              "namespace": "*"
          },
          {
              "id": "PaginatedTrait",
              "namespace": "*"
          },
          {
              "id": "HttpHeaderTrait",
              "namespace": "*"
          },
          {
              "id": "HttpUriConflict",
              "namespace": "*"
          },
          {
              "id": "Service",
              "namespace": "*"
          }
      ]
```

```
},
"shapes": {
  "com.amazonaws.licensemanager#AWSLicenseManager": {
    "type": "service",
    "version": "2018-08-01",
    "operations": [
      {
        "target": "com.amazonaws.licensemanager#AcceptGrant"
      },

 {
        "target": "com.amazonaws.licensemanager#CheckInLicense"
      },
      {
        "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
      },
      {
        "target": "com.amazonaws.licensemanager#CheckoutLicense"
      },
      {
        "target": "com.amazonaws.licensemanager#CreateGrant"
      },
      {
        "target": "com.amazonaws.licensemanager#CreateGrantVersion"
      },
      {
        "target": "com.amazonaws.licensemanager#CreateLicense"
      },
      {
        "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
      },
      {
        "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
      },
      {
        "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
       },
      {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersion"
      },
      {
        "target": "com.amazonaws.licensemanager#CreateToken"
      },
      {
        "target": "com.amazonaws.licensemanager#DeleteGrant"
      },
      {
        "target": "com.amazonaws.licensemanager#DeleteLicense"
```

```
    },
    {
      "target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
    },
    {
      "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
    },
    {
      "target": "com.amazonaws.licensemanager#DeleteToken"
    },
    {
      "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

  },
    {
      "target": "com.amazonaws.licensemanager#GetAccessToken"
    },
    {
      "target": "com.amazonaws.licensemanager#GetGrant"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicense"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicenseUsage"
    },
    {
      "target": "com.amazonaws.licensemanager#GetServiceSettings"
    },
    {
      "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
    },
    {
      "target": "com.amazonaws.licensemanager#ListDistributedGrants"
    },
    {
      "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
    },
    {
```

"target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
},
{
"target": "com.amazonaws.licensemanager#ListLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
},
{

"target": "com.amazonaws.licensemanager#ListLicenseVersions"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedGrants"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedLicenses"
},
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"target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
},
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"target": "com.amazonaws.licensemanager#ListResourceInventory"
},
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"target": "com.amazonaws.licensemanager#ListTagsForResource"
},
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"target": "com.amazonaws.licensemanager#ListTokens"
},
{
"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#RejectGrant"
},
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"target": "com.amazonaws.licensemanager#TagResource"
},

{
"target": "com.amazonaws.licensemanager#UntagResource"
},
{
"target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
},
{
"target": "com.amazonaws.licensemanager#UpdateServiceSettings"
}
],
"traits": {
"aws.api#service": {
"sdkId": "License Manager",
"arnNamespace": "license-manager",
"cloudFormationName": "LicenseManager",
"cloudTrailEventSource": "licensemanager.amazonaws.com",
"endpointPrefix": "license-manager"
},
"aws.auth#sigv4": {
"name": "license-manager"
},
"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
},
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not

support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send
this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
},
"rules": [
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"conditions": [
{
"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
]

}
],
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"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"
},
true
]
}
],
"error": "Invalid Configuration: FIPS and custom endpoint are not supported",
"type": "error"

```
            },
            {

"conditions": [
                {
                  "fn": "booleanEquals",
                  "argv": [
                    {
                      "ref": "UseDualStack"
                    },
                    true
                  ]
                }
              ],
              "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
              "type": "error"
            },
            {
              "conditions": [],
              "endpoint": {
                "url": {
                  "ref": "Endpoint"
                 },
                "properties": {},
                "headers": {}
              },
              "type": "endpoint"
            }
          ]
        },
        {
          "conditions": [
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              "fn": "isSet",
              "argv": [
                {
                  "ref": "Region"
                }
              ]
            }
          ],
          "type": "tree",
          "rules": [
            {
              "conditions": [
                {
                  "fn": "aws.partition",
                  "argv": [
```

```
                    {
                        "ref": "Region"
                    }
                ],
                "assign": "PartitionResult"
            }
        ],
        "type": "tree",
        "rules": [
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                        "argv": [
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                                "ref":
"UseFIPS"
                            },
                            true
                        ]
                    },
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            {
                                "ref": "UseDualStack"
                            },
                            true
                        ]
                    }
                ],
                "type": "tree",
                "rules": [
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                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    true,
                                    {
                                        "fn": "getAttr",
                                        "argv": [
                                            {
                                                "ref": "PartitionResult"
                                            },
                                            "supportsFIPS"
                                        ]
```

```
                    }
                        ]
                    },
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {
                                "fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },

"supportsDualStack"
                                ]
                            }
                        ]
                    }
                ],
                "type": "tree",
                "rules": [
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                        "conditions": [],
                        "endpoint": {
                            "url": "https://license-manager-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                            "properties": {},
                            "headers": {}

                    },
                        "type": "endpoint"
                    }
                ]
            },
            {
                "conditions": [],
                "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
                "type": "error"
            }
        ]
    },
    {
        "conditions": [
            {
                "fn": "booleanEquals",
```

```
                "argv": [
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                        "ref": "UseFIPS"
                    },
                    true
                ]
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        ],
        "type": "tree",
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,

{
                                "fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsFIPS"
                                ]
                            }
                        ]
                    }
                ],
                "type": "tree",
                "rules": [

{
                        "conditions": [],
                        "endpoint": {
                            "url": "https://license-manager-fips.{Region}.{PartitionResult#dnsSuffix}",
                            "properties": {},
                            "headers": {}
                        },
                        "type": "endpoint"
                    }
                ]
            },
            {
                "conditions": [],
                "error": "FIPS is enabled but this
partition does not support FIPS",
                "type": "error"
```

```
                    }
                ]
            },
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            {
                                "ref": "UseDualStack"
                            },
                            true
                        ]
                    }
                ],
                "type": "tree",
                 "rules": [
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    true,
                                    {
                                        "fn": "getAttr",
                                        "argv": [
                                            {
                                                "ref": "PartitionResult"
                                            },

"supportsDualStack"
                                        ]
                                    }
                                ]
                            }
                        ],
                        "type": "tree",
                        "rules": [
                            {
                                "conditions": [],
                                "endpoint": {
                                    "url": "https://license-
manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                    "properties": {},
                                    "headers": {}

                },
                            "type": "endpoint"
```

```
                    }
                ]
            },
            {
                "conditions": [],
                "error": "DualStack is enabled but this partition does not support DualStack",
                "type": "error"
            }
        ]
    },
    {
        "conditions": [],
        "endpoint": {
            "url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
            "properties": {},
            "headers": {}
        },
        "type": "endpoint"
    }
]
}
]
},
{
"conditions": [],
"error": "Invalid Configuration: Missing Region",
"type": "error"
}
]
},
"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint":
{
"url": "https://license-manager.af-south-1.amazonaws.com"
}
},
"params": {
"Region": "af-south-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
```

```
    "expect": {
      "endpoint": {
        "url": "https://license-manager.ap-east-1.amazonaws.com"
      }
    },
    "params": {
      "Region": "ap-east-1",
      "UseFIPS": false,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager.ap-northeast-1.amazonaws.com"
      }
    },
    "params": {
      "Region": "ap-northeast-1",
      "UseFIPS": false,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager.ap-northeast-2.amazonaws.com"
      }
    },
    "params": {
      "Region": "ap-northeast-2",
      "UseFIPS": false,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager.ap-northeast-3.amazonaws.com"
      }
    },
    "params": {
      "Region": "ap-northeast-3",
      "UseFIPS": false,
      "UseDualStack": false
```

```
            }

        },
        {
            "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-south-1.amazonaws.com"
                }
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            "params": {
                "Region": "ap-south-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
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        {
            "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-southeast-1.amazonaws.com"

        }
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            "params": {
                "Region": "ap-southeast-1",
                "UseFIPS": false,
                "UseDualStack": false
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            "documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-southeast-2.amazonaws.com"
                }
            },
            "params": {
                "Region": "ap-southeast-2",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {

        "documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
```

"url": "https://license-manager.ap-southeast-3.amazonaws.com"
}
},
"params": {
"Region": "ap-southeast-3",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ca-central-1.amazonaws.com"
}
},

"params": {
"Region": "ca-central-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-central-1.amazonaws.com"
}
},
"params": {
"Region": "eu-central-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-north-1 with FIPS
disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-north-1.amazonaws.com"
}
},
"params": {
"Region": "eu-north-1",
"UseFIPS": false,
"UseDualStack": false

```
            }
        },
        {
            "documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.eu-south-1.amazonaws.com"
                }
            },
            "params": {
                "Region":
"eu-south-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.eu-west-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "eu-west-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
            "expect": {

            "endpoint": {
                    "url": "https://license-manager.eu-west-2.amazonaws.com"
                }
            },
            "params": {
                "Region": "eu-west-2",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.eu-west-3.amazonaws.com"
```

```
            }
          },
          "params": {
            "Region": "eu-west-3",
            "UseFIPS": false,

"UseDualStack": false
          }
        },
        {
          "documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.me-south-1.amazonaws.com"
            }
          },
          "params": {
            "Region": "me-south-1",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
        {
          "documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.sa-east-1.amazonaws.com"
             }
          },
          "params": {
            "Region": "sa-east-1",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
        {
          "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.us-east-1.amazonaws.com"
            }
          },
          "params": {
            "Region": "us-east-1",
            "UseFIPS": false,
            "UseDualStack": false
          }
```

```
 },
            {
              "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.us-east-1.amazonaws.com"
                }
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-east-2.amazonaws.com"
                }

             },
              "params": {
                "Region": "us-east-2",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.us-east-2.amazonaws.com"
                }
              },
              "params": {
                "Region": "us-east-2",
                "UseFIPS": true,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region
us-west-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-west-1.amazonaws.com"
                }
```

```
            },
            "params": {
              "Region": "us-west-1",
              "UseFIPS": false,
              "UseDualStack": false
            }
          },
          {
            "documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
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              }
            },
            "params": {

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              "UseFIPS": true,
              "UseDualStack": false
            }
          },
          {
            "documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
            "expect": {
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                "url": "https://license-manager.us-west-2.amazonaws.com"
              }
            },
            "params": {
              "Region": "us-west-2",
              "UseFIPS": false,
              "UseDualStack": false
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          },
          {
            "documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",

"expect": {
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                "url": "https://license-manager-fips.us-west-2.amazonaws.com"
              }
            },
            "params": {
              "Region": "us-west-2",
              "UseFIPS": true,
              "UseDualStack": false
            }
          },
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            {
              "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.us-east-1.api.aws"
                }
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": true,

                "UseDualStack": true
              }
            },
            {
              "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-east-1.api.aws"
                }
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": true
              }
            },
            {
              "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
                }
              },
              "params": {
                "Region": "cn-north-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
                }
              },
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"params": {
"Region": "cn-northwest-1",
"UseFIPS": false,
"UseDualStack": false

}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
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},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
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"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
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{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},

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        {
            "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager.us-gov-east-1.amazonaws.com"
              }
            },
            "params": {
              "Region": "us-gov-east-1",
              "UseFIPS": false,
              "UseDualStack": false
            }
          },
          {
            "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
              }
             },
            "params": {
              "Region": "us-gov-east-1",
              "UseFIPS": true,
              "UseDualStack": false
            }
          },
          {
            "documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager.us-gov-west-1.amazonaws.com"
              }
            },
            "params": {
              "Region": "us-gov-west-1",
              "UseFIPS": false,
              "UseDualStack": false
            }
          },
          {
            "documentation":
"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
              }
            },
            "params": {
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"Region": "us-gov-west-1",
"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
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"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.api.aws"
}
},

"params": {
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"UseDualStack": true
}
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",

"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled
but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},

{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
}
},

"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,

"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,

"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}

```
                }
            ],
            "version": "1.0"
        }
    }
  },
  "com.amazonaws.licensemanager#AcceptGrant": {
    "type": "operation",
    "input": {
      "target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
    "output": {
      "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
    },
    "errors": [
      {
        "target": "com.amazonaws.licensemanager#AccessDeniedException"
      },
      {
        "target": "com.amazonaws.licensemanager#AuthorizationException"
      },
      {
        "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
      },
      {
        "target": "com.amazonaws.licensemanager#RateLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#ServerInternalException"
      },
      {
        "target": "com.amazonaws.licensemanager#ValidationException"

  }
    ],
    "traits": {
      "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
    }
  },
  "com.amazonaws.licensemanager#AcceptGrantRequest": {
    "type": "structure",
    "members": {
      "GrantArn": {
        "target": "com.amazonaws.licensemanager#Arn",
```

```
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#AcceptGrantResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant
ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#AccessDeniedException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
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"code": "ServiceAccessDenied",
"httpResponseCode": 401
},
"smithy.api#documentation": " Access to resource denied. ",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
"type": "enum",
"members": {
"DISTRIBUTED_GRANTS_ONLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
}
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperation": {

"type": "enum",
"members": {
"CREATE_GRANT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateGrant"
}
},
"CHECKOUT_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutLicense"
}
},
"CHECKOUT_BORROW_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutBorrowLicense"
}
},
"CHECK_IN_LICENSE": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckInLicense"
}
},
"EXTEND_CONSUMPTION_LICENSE":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ExtendConsumptionLicense"
}
},
"LIST_PURCHASED_LICENSES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ListPurchasedLicenses"
}
},
"CREATE_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateToken"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperationList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#AllowedOperation"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max":
7
}
}
},
"com.amazonaws.licensemanager#Arn": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 2048
},
"smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"

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        }
    },
    "com.amazonaws.licensemanager#ArnList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Arn"
        }
    },
    "com.amazonaws.licensemanager#AuthorizationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError":
 {
                "code": "AuthorizationFailure",
                "httpResponseCode": 403
            },
            "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to
perform the action. Check the IAM\n        policy associated with this account.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 403
        }
    },
    "com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
        "type": "structure",
        "members": {
            "LastRunTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes automated discovery.</p>"
        }
    },

  "com.amazonaws.licensemanager#Boolean": {
        "type": "boolean",
        "traits": {
            "smithy.api#default": false
        }
    },
```

```
    "com.amazonaws.licensemanager#BorrowConfiguration": {
      "type": "structure",
      "members": {
        "AllowEarlyCheckIn": {
          "target": "com.amazonaws.licensemanager#BoxBoolean",
          "traits": {
            "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
            "smithy.api#required": {}
          }
        },
        "MaxTimeToLiveInMinutes": {
          "target": "com.amazonaws.licensemanager#BoxInteger",
          "traits": {
            "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
            "smithy.api#required": {}
          }
        }

},
      "traits": {
        "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
      }
    },
    "com.amazonaws.licensemanager#BoxBoolean": {
      "type": "boolean"
    },
    "com.amazonaws.licensemanager#BoxInteger": {
      "type": "integer"
    },
    "com.amazonaws.licensemanager#BoxLong": {
      "type": "long"
    },
    "com.amazonaws.licensemanager#CheckInLicense": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
```

```
        },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseRequest":
 {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseResponse": {
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"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{
"target":
"com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license for offline use. "
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
"type": "structure",
"members":
{
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The license must use the borrow consumption configuration. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. Partial checkouts are not supported. ",
"smithy.api#required": {}
}
},
"DigitalSignatureMethod": {
"target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
"traits": {
"smithy.api#documentation": " Digital signature method. The possible value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see RFC 7518 Digital Signature with RSASSA-PSS. ",
"smithy.api#required": {}
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "
}
},
"ClientToken": {

"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation":
" Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},
"EntitlementsAllowed":
{
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " Allowed license entitlements. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",

```
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
                }
            },
            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target":
 "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license.</p>\n        <note>\n            <p>If the
account that created the license is the same that is performing the check out, you must\n            specify the account
as the beneficiary.</p>\n        </note>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicenseRequest": {
        "type": "structure",
        "members": {
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product
 SKU.</p>",
                    "smithy.api#required": {}
                }
            },
            "CheckoutType": {
                "target": "com.amazonaws.licensemanager#CheckoutType",
                "traits": {
                    "smithy.api#documentation": "<p>Checkout type.</p>",
                    "smithy.api#required": {}
                }
            },
            "KeyFingerprint": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Key fingerprint identifying the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
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"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
"type": "structure",
"members": {
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. "
}
},
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},
"EntitlementsAllowed": {

"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " Allowed license entitlements. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and
time at which the license checkout expires. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the checkout license. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutType": {
"type": "enum",
"members": {
"PROVISIONAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PROVISIONAL"

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            }
        },
        "PERPETUAL": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PERPETUAL"
            }
        }
    }
},
"com.amazonaws.licensemanager#ClientRequestToken": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 36
        }
    }
},
"com.amazonaws.licensemanager#ClientToken": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 2048
        },
        "smithy.api#pattern": "^\\S+$"
    }
},
"com.amazonaws.licensemanager#ConflictException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "ConflictException",
            "httpResponseCode":
409
        },
        "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 409
    }
},
```

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    "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
      "type": "structure",
      "members": {
        "ResourceType": {
          "target": "com.amazonaws.licensemanager#ResourceType",
          "traits": {
            "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
          }
        },
        "ConsumedLicenses": {
          "target": "com.amazonaws.licensemanager#BoxLong",
          "traits": {
            "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
          }
        }
      },

"traits": {
        "smithy.api#documentation": "<p>Details about license consumption.</p>"
      }
    },
    "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
      }
    },
    "com.amazonaws.licensemanager#ConsumptionConfiguration": {
      "type": "structure",
      "members": {
        "RenewType": {
          "target": "com.amazonaws.licensemanager#RenewType",
          "traits": {
            "smithy.api#documentation": "<p>Renewal frequency.</p>"
          }
        },
        "ProvisionalConfiguration": {
          "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
          "traits": {
            "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
           }
        },
        "BorrowConfiguration": {
          "target": "com.amazonaws.licensemanager#BorrowConfiguration",
          "traits": {
            "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
          }
        }
```

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        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target":
 "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of
license\n        entitlements with a specific Amazon Web Services account, an organization, or an\n
organizational unit (OU). For more
 information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantRequest": {
        "type": "structure",
        "members": {
```

"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}

}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Principals": {
"target": "com.amazonaws.licensemanager#PrincipalArnList",
"traits": {
"smithy.api#documentation": " The grant principals. You can specify one of the following as an Amazon Resource Name\n (ARN): \n \n \n An Amazon Web Services account, which includes only the account specified. \n \n \n \n \n An organizational unit (OU), which includes all accounts in the OU. \n \n \n \n
\n An organization, which will include all accounts across your organization. \n \n ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations for the grant. ",
"smithy.api#required": {}

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            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },

      "com.amazonaws.licensemanager#CreateGrantResponse": {
        "type": "structure",
        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
              "smithy.api#documentation": "<p>Grant status.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Grant version.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#CreateGrantVersion":
{
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a new version of the specified grant. For more information, see\n Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#CreateGrantVersionRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",

"smithy.api#required": {}
}
},
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. "
}

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        },
        "AllowedOperations": {
            "target": "com.amazonaws.licensemanager#AllowedOperationList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "StatusReason": {
            "target": "com.amazonaws.licensemanager#StatusReasonMessage",
            "traits": {
                "smithy.api#documentation": "<p>Grant status reason.</p>"
            }
        },
        "SourceVersion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Current version of the grant.</p>"
            }
        },
        "Options": {
            "target": "com.amazonaws.licensemanager#Options",
            "traits": {
                "smithy.api#documentation": "<p>The options specified for the grant.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersionResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
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"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New version of the grant. "
}
}
},
"traits":
{
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a license. "

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        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration
is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager.
Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU),
allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or
 all of these), license affinity  to host (how long a \n        license must be associated with a host), and the number of
licenses purchased and used.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>",
                    "smithy.api#required": {}
                }
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            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the license configuration.</p>"
                }
            },
            "LicenseCountingType": {
                "target": "com.amazonaws.licensemanager#LicenseCountingType",
                 "traits": {
                    "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
                }
            },
            "LicenseCountHardLimit": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether hard or soft license enforcement is used.
Exceeding a hard limit\n        blocks the launch of new instances.</p>"
                }
            },
            "LicenseRules": {
                "target":
 "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>License rules. The syntax is #name=value (for example,
#allowedTenancy=EC2-DedicatedHost). The available rules \n        vary by dimension, as follows.</p>\n
<ul>\n            <li>\n              <p>\n                <code>Cores</code> dimension: <code>allowedTenancy</code> |\n
          <code>licenseAffinityToHost</code> |\n              <code>maximumCores</code> |
<code>minimumCores</code>\n              </p>\n            </li>\n            <li>\n              <p>\n
<code>Instances</code> dimension: <code>allowedTenancy</code> | \n              <code>maximumCores</code> |
<code>minimumCores</code> |\n              <code>maximumSockets</code> | <code>minimumSockets</code> |\n
          <code>maximumVcpus</code> | <code>minimumVcpus</code>\n              </p>\n            </li>\n
<li>\n
  <p>\n                <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n
<code>licenseAffinityToHost</code> |\n              <code>maximumSockets</code> |
<code>minimumSockets</code>\n              </p>\n            </li>\n            <li>\n              <p>\n
<code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n
<code>honorVcpuOptimization</code> | \n              <code>maximumVcpus</code> |
<code>minimumVcpus</code>\n              </p>\n            </li>\n        </ul>\n        <p>The unit for
<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n        values for
<code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n
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<code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n
<code>True</code> and <code>False</code>.</p>"
                }
            },

  "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
                }
            },
            "DisassociateWhenNotFound": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
                }
            },
            "ProductInformationList": {
                "target": "com.amazonaws.licensemanager#ProductInformationList",
                "traits": {
                    "smithy.api#documentation": "<p>Product information.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
 {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
```

```
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
             },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {

                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting
the license type for.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information that identifies the license type you are converting
from. \n\n        For the structure of the source license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
                    "smithy.api#required": {}
```

```
            }
          },
          "DestinationLicenseContext":
{
            "target": "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
              "smithy.api#documentation": "<p>Information that identifies the license type you are converting to.
For the structure of the destination license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
        "type": "structure",
        "members": {
          "LicenseConversionTaskId": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

       "traits": {
              "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
```

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            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
             },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "ReportGeneratorName":
 {
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types an be
generated:</p>\n        <ul>\n            <li>\n                <p>License configuration report - Reports the number and
details of consumed licenses for a license configuration.</p>\n            </li>\n            <li>\n                <p>Resource
report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n            </li>\n
</ul>",
                    "smithy.api#required": {}

        }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
```

"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the new report generator. "

```
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseRequest": {
        "type": "structure",
        "members": {
          "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>License name.</p>",
              "smithy.api#required": {}
            }
          },
          "ProductName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Product
name.</p>",
              "smithy.api#required": {}
            }
          },
          "ProductSKU": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Product SKU.</p>",
              "smithy.api#required": {}
            }
          },
          "Issuer": {
            "target": "com.amazonaws.licensemanager#Issuer",
            "traits": {
              "smithy.api#documentation": "<p>License issuer.</p>",
              "smithy.api#required": {}
            }
          },
          "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Home Region for the license.</p>",
              "smithy.api#required": {}

    }
          },
          "Validity": {
```

"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

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},
"com.amazonaws.licensemanager#CreateLicenseResponse": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        },
        "Version": {
             "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#ConflictException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
```

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            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target":
"com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Issuer": {
                "target": "com.amazonaws.licensemanager#Issuer",
                "traits":
{
                    "smithy.api#documentation": "<p>License issuer.</p>",
                    "smithy.api#required": {}
```

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            }
        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Home Region of the license.</p>",
                "smithy.api#required": {}
            }
        },
        "Validity": {
            "target": "com.amazonaws.licensemanager#DatetimeRange",
            "traits": {
                "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
                "smithy.api#required": {}
            }
        },
        "LicenseMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
                 "smithy.api#documentation": "<p>Information about the license.</p>"
            }
        },
        "Entitlements": {
            "target": "com.amazonaws.licensemanager#EntitlementList",
            "traits": {
                "smithy.api#documentation": "<p>License entitlements.</p>",
                "smithy.api#required": {}
            }
        },
        "ConsumptionConfiguration": {
            "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n         running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n         usage.</p>",
                "smithy.api#required": {}
            }
        },

  "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>",
                "smithy.api#required": {}
            }
        },
        "ClientToken": {
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"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the license. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New version of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
}
},
"traits": {
"smithy.api#output":
{}
}
},
"com.amazonaws.licensemanager#CreateToken": {
"type": "operation",

"input": {
"target": "com.amazonaws.licensemanager#CreateTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a long-lived token. \n A refresh token is a JWT token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license. "
}
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits":
{
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token. ",

"smithy.api#required": {}
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n License Manager does not check whether the roles are in use. "
}
},
"ExpirationInDays": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Token expiration, in days, counted from token creation. The default is 365 days. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Idempotency token, valid for 10 minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateTokenResponse": {
"type": "structure",
"members": {
"TokenId": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Token ID. "
}
},
"TokenType": {
"target": "com.amazonaws.licensemanager#TokenType",

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            "traits": {
                "smithy.api#documentation": "<p>Token type.</p>"
            }
        },
        "Token": {
            "target": "com.amazonaws.licensemanager#TokenString",
            "traits": {
                "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
        "Begin": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Start of the time range.</p>",
                "smithy.api#required": {}
            }
        },
        "End": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>End of the time range.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
},
"com.amazonaws.licensemanager#DeleteGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
    },
    "errors": [
```

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "StatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the
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grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation":
" Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

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            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
        },

    "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n        <p>You cannot delete a license configuration that is in use.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
```

{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified report generator. \n This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator to be deleted. ",
"smithy.api#required": {}
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}

```
    },
    "com.amazonaws.licensemanager#DeleteLicenseRequest": {
      "type": "structure",
      "members": {
        "LicenseArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
            "smithy.api#required": {}
          }
        },
        "SourceVersion": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Current version of the license.</p>",
            "smithy.api#required":
{}
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#DeleteLicenseResponse": {
      "type": "structure",
      "members": {
        "Status": {
          "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
          "traits": {
            "smithy.api#documentation": "<p>License status.</p>"
          }
        },
        "DeletionDate": {
          "target": "com.amazonaws.licensemanager#ISO8601DateTime",
          "traits": {
            "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#DeleteToken": {
      "type": "operation",
       "input": {
        "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
```

```
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },

    {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenRequest": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
```

"com.amazonaws.licensemanager#DeleteTokenResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}

}
},
"com.amazonaws.licensemanager#DigitalSignatureMethod": {
"type": "enum",
"members": {
"JWT_PS384": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "JWT_PS384"
}
}
}
},
"com.amazonaws.licensemanager#Entitlement": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement resource. Use only
if the unit is None. "
}
},
"MaxCount": {
"target": "com.amazonaws.licensemanager#Long",
"traits": {
"smithy.api#documentation": " Maximum entitlement count. Use if the unit is not None. "
}
},
"Overage": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether overages are allowed. "
}
},

```
            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement unit.</p>",
                    "smithy.api#required": {}
                }
            },
            "AllowCheckIn": {
                "target":
"com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether check-ins are allowed.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes a resource entitled for use with a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementData": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement data name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement
data value.</p>"
                }
            },
            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement data unit.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
        }
    },
```

```
    "com.amazonaws.licensemanager#EntitlementDataList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementData"
        }
    },
    "com.amazonaws.licensemanager#EntitlementDataUnit": {
        "type": "enum",
        "members": {
            "COUNT": {
                "target": "smithy.api#Unit",
                "traits": {

"smithy.api#enumValue": "Count"
                }
            },
            "NONE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "None"
                }
            },
            "SECONDS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Seconds"
                }
            },
            "MICROSECONDS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Microseconds"
                }
            },
            "MILLISECONDS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Milliseconds"
                }
            },
            "BYTES": {
                "target": "smithy.api#Unit",
                 "traits": {
                    "smithy.api#enumValue": "Bytes"
                }
            },
            "KILOBYTES": {
                "target": "smithy.api#Unit",
```

"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"

}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},

"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},
"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Entitlement"
}
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {

"smithy.api#documentation": " The entitlement is not allowed. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#EntitlementUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "Terabits"
}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target":
"smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},

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        "KILOBITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobits/Second"
            }
        },
        "MEGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Megabits/Second"
            }
        },
        "GIGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Gigabits/Second"
            }
        },

    "TERABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabits/Second"
            }
        },
        "COUNT_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count/Second"
            }
        }
    }
},
"com.amazonaws.licensemanager#EntitlementUsage": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage name.</p>",
                "smithy.api#required": {}
            }
        },
        "ConsumedValue": {
            "target": "com.amazonaws.licensemanager#String",

        "traits": {
                "smithy.api#documentation": "<p>Resource usage consumed.</p>",
```

```
                "smithy.api#required": {}
            }
        },
        "MaxCount": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
            }
        },
        "Unit": {
            "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
    }
},
"com.amazonaws.licensemanager#EntitlementUsageList":
{
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#EntitlementUsage"
    }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumption": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}

    }
            },
            "DryRun": {
                "target": "com.amazonaws.licensemanager#Boolean",
                "traits": {
                    "smithy.api#default": false,
                    "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action,
without actually making the request. Provides an error response if you do not have the required permissions.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },
```

"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license consumption expires. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#FailedDependencyException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
},
"ErrorCode": {
"target": "com.amazonaws.licensemanager#String"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FailedDependency",
"httpResponseCode": 424
},
"smithy.api#documentation":
" A dependency required to run the API is missing. ",
"smithy.api#error": "client",
"smithy.api#httpError": 424
}
},
"com.amazonaws.licensemanager#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#FilterName",
"traits": {
"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only
specify one value for the filter. "
}

```
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A filter
 name and value pair that is used to return more specific results from a\n          describe operation. Filters can be used
to match a set of resources by specific criteria,\n          such as tags, attributes, or IDs.</p>"
        }
    },
    "com.amazonaws.licensemanager#FilterLimitExceededException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "FilterLimitExceeded",
                "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#FilterList": {
        "type": "list",
         "member": {
            "target": "com.amazonaws.licensemanager#Filter"
        }
    },
    "com.amazonaws.licensemanager#FilterName": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#FilterValue": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#FilterValues": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#FilterValue",
            "traits": {
                "smithy.api#xmlName": "item"
            }
        }
    },
    "com.amazonaws.licensemanager#Filters": {
        "type": "list",
```

"member": {
"target": "com.amazonaws.licensemanager#Filter",
"traits": {
"smithy.api#xmlName": "item"
}
}
},
"com.amazonaws.licensemanager#GetAccessToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets a temporary access token to use with AssumeRoleWithWebIdentity. Access tokens\n are valid for one hour. "
}
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
"type": "structure",
"members": {
"Token": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Refresh token, encoded as a JWT token. ",
"smithy.api#required": {}
}
},

"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Token properties to validate against those present in the JWT token. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetAccessTokenResponse": {
"type": "structure",
"members": {
"AccessToken": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Temporary access token. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"

```
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
    "type": "structure",
    "members": {
        "Grant": {
            "target": "com.amazonaws.licensemanager#Grant",
            "traits": {
                "smithy.api#documentation": "<p>Grant details.</p>"
            }
        }
    },
    "traits": {
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"smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"

 },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": " Gets detailed information about the specified license. "
    }
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },

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            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
             },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the specified license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits":
 {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurationId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
                }
            },
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
```

```
    }
},
"Name": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Name of the license configuration.</p>"
     }
},
"Description": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Description of the license configuration.</p>"
    }
},
"LicenseCountingType": {
    "target": "com.amazonaws.licensemanager#LicenseCountingType",
    "traits": {
        "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
    }
},
"LicenseRules": {
    "target": "com.amazonaws.licensemanager#StringList",
    "traits": {
        "smithy.api#documentation": "<p>License rules.</p>"
    }
},
"LicenseCount": {
    "target": "com.amazonaws.licensemanager#BoxLong",

   "traits": {
        "smithy.api#documentation": "<p>Number of available licenses.</p>"
    }
},
"LicenseCountHardLimit": {
    "target": "com.amazonaws.licensemanager#BoxBoolean",
    "traits": {
        "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
    }
},
"ConsumedLicenses": {
    "target": "com.amazonaws.licensemanager#BoxLong",
    "traits": {
        "smithy.api#documentation": "<p>Number of licenses assigned to resources.</p>"
    }
},
"Status": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
```

"smithy.api#documentation": " License configuration status. "
}

},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner of the license configuration. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When
true, disassociates a resource when software is uninstalled. "
}
}
},

"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified license type conversion task. "
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}

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        }
      },
      "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
        "type": "structure",
        "members": {
          "LicenseConversionTaskId": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
            "traits": {
              "smithy.api#documentation": "<p>ID of the license type conversion task.</p>"
            }
          },
          "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the resources the license
conversion task is associated with.</p>"
            }
          },
          "SourceLicenseContext": {
            "target": "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
              "smithy.api#documentation": "<p>Information
 about the license type converted from.</p>"
            }
          },
          "DestinationLicenseContext": {
            "target": "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
              "smithy.api#documentation": "<p>Information about the license type converted to.</p>"
            }
          },
          "StatusMessage": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
            "traits": {
              "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
            }
          },

  "StartTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
```

```
            }
          },
          "LicenseConversionTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
            }
          },
          "EndTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Time at which the license type conversion task was
completed.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
{
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

        },
          {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
                    "smithy.api#required":
{}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {
            "ReportGenerator": {
                "target": "com.amazonaws.licensemanager#ReportGenerator",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
```

"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseResponse": {
"type": "structure",
"members": {
"License": {
"target": "com.amazonaws.licensemanager#License",
"traits": {
"smithy.api#documentation": " License details. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},

"com.amazonaws.licensemanager#GetLicenseUsage": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{

"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the usage of the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseUsageRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseUsageResponse": {
"type": "structure",
"members": {
"LicenseUsage": {
"target":
"com.amazonaws.licensemanager#LicenseUsage",
"traits": {
"smithy.api#documentation": " License usage details. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetServiceSettings": {

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets the License Manager settings for the current Region. "
}
},
"com.amazonaws.licensemanager#GetServiceSettingsRequest": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Regional S3 bucket path for storing reports, license trail event data, discovery data,\n and so on. "

}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " SNS topic configured to receive notifications from License Manager. "

```
            }
        },
        "OrganizationConfiguration": {
            "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Indicates whether Organizations is integrated with License
Manager for\n        cross-account discovery.</p>"
            }
        },
        "EnableCrossAccountsDiscovery": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
                "smithy.api#documentation": "<p>Indicates whether cross-account discovery is enabled.</p>"
            }

      },
        "LicenseManagerResourceShareArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource share. The License
Manager management account \n        provides member accounts with access to this share.</p>"
            }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#Grant": {
      "type": "structure",
      "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "GrantName": {

  "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant name.</p>",
                "smithy.api#required": {}
            }
        },
        "ParentArn": {
            "target": "com.amazonaws.licensemanager#Arn",
```

"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",
"smithy.api#required": {}
}
},
"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. ",
"smithy.api#required": {}
}
},
"GrantedOperations": {

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            "target": "com.amazonaws.licensemanager#AllowedOperationList",
            "traits": {
                "smithy.api#documentation": "<p>Granted operations.</p>",
                "smithy.api#required": {}
            }
        },
        "Options": {
            "target": "com.amazonaws.licensemanager#Options",
            "traits": {
                "smithy.api#documentation": "<p>The options specified for the grant.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation":
"<p>Describes a grant.</p>"
    }
},
"com.amazonaws.licensemanager#GrantList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Grant"
    }
},
"com.amazonaws.licensemanager#GrantStatus": {
    "type": "enum",
    "members": {
        "PENDING_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_WORKFLOW"
            }
        },
        "PENDING_ACCEPT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_ACCEPT"
            }
        },
        "REJECTED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "REJECTED"

        }
        },
        "ACTIVE": {
            "target": "smithy.api#Unit",
```

"traits": {
"smithy.api#enumValue": "ACTIVE"
}
},
"FAILED_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED_WORKFLOW"
}
},
"DELETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DELETED"
}
},
"PENDING_DELETE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_DELETE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "DISABLED"
}
},
"WORKFLOW_COMPLETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WORKFLOW_COMPLETED"
}
}
}
},
"com.amazonaws.licensemanager#GrantedLicense": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " License name. "
}

},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " Granted license issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the granted license. "

}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " Granted license status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the granted license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Granted license beneficiary. "
}

```
        },
        "Entitlements": {
          "target": "com.amazonaws.licensemanager#EntitlementList",
           "traits": {
            "smithy.api#documentation": "<p>License entitlements.</p>"
          }
        },
        "ConsumptionConfiguration": {
          "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
          "traits": {
            "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
          }
        },
        "LicenseMetadata": {
          "target": "com.amazonaws.licensemanager#MetadataList",
          "traits": {
            "smithy.api#documentation": "<p>Granted license metadata.</p>"
          }
        },
        "CreateTime": {
          "target": "com.amazonaws.licensemanager#ISO8601DateTime",
          "traits": {
            "smithy.api#documentation": "<p>Creation time of the granted license.</p>"

}
        },
        "Version": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Version of the granted license.</p>"
          }
        },
        "ReceivedMetadata": {
          "target": "com.amazonaws.licensemanager#ReceivedMetadata",
          "traits": {
            "smithy.api#documentation": "<p>Granted license received metadata.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
      }
    },
    "com.amazonaws.licensemanager#GrantedLicenseList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanager#GrantedLicense"
      }
```

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    },
    "com.amazonaws.licensemanager#ISO8601DateTime":
{
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-
1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$"
        }
    },
    "com.amazonaws.licensemanager#Integer": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#InvalidParameterValueException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidParameterValueProvided",
                "httpResponseCode": 400
            },
            "smithy.api#documentation":
"<p>One or more parameter values are not valid.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#InvalidResourceStateException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidResourceState",
                "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n        <p>For example, you cannot allocate a license to an instance in the process of shutting\n
```

down. ",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },

    "com.amazonaws.licensemanager#InventoryFilter": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": " Name of the filter. ",
                    "smithy.api#required": {}
                }
            },
            "Condition": {
                "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
                "traits": {
                    "smithy.api#documentation": " Condition of the filter. ",
                    "smithy.api#required": {}
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": " Value of the filter. "
                }
            }

    },
        "traits": {
            "smithy.api#documentation": " An inventory filter. "
        }
    },
    "com.amazonaws.licensemanager#InventoryFilterCondition": {
        "type": "enum",
        "members": {
            "EQUALS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "EQUALS"
                }
            },
            "NOT_EQUALS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "NOT_EQUALS"

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                }
            },
            "BEGINS_WITH": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "BEGINS_WITH"
                }
            },
            "CONTAINS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CONTAINS"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#InventoryFilterList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#InventoryFilter"
        }
    },
    "com.amazonaws.licensemanager#Issuer": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer name.</p>",
                    "smithy.api#required": {}
                }
            },
            "SignKey": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key usage
 of sign and verify, \n        and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about the issuer of a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#IssuerDetails": {
        "type": "structure",
        "members": {
```

"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. "
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer key fingerprint. "
}
}
},
"traits": {
"smithy.api#documentation": " Details associated with the issuer of a license. "
}
},
"com.amazonaws.licensemanager#License": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " License name. "
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " License issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Home Region of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "

```
            }
        },
        "LicenseMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
                "smithy.api#documentation": "<p>License metadata.</p>"
            }
        },
        "CreateTime": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>License
creation time.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
    "type": "structure",
    "members": {
        "LicenseConfigurationId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
            }
        },
        "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
        },
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Name of the license configuration.</p>"
            }
        },
        "Description": {
```

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension to use to track the license inventory. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Number of available licenses as a hard limit. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the license configuration. "
}
},

"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the license configuration's owner. "

}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for licenses consumed by various resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for managed resources. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {

"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
}
},
"traits": {
"smithy.api#documentation": " A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
"type": "structure",
"members": {
"ResourceArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of server resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Time when the license configuration was associated with the resource. "
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an association with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
}
},
"com.amazonaws.licensemanager#LicenseConfigurationStatus": {
"type": "enum",
"members":
{
"AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "AVAILABLE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISABLED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsage": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits":
{
"smithy.api#documentation": " Type of resource. "
}
},
"ResourceStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the usage of a resource associated with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
}
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfiguration"
}
},
"com.amazonaws.licensemanager#LicenseConversionContext": {

"type": "structure",
"members": {
"UsageOperation": {
"target": "com.amazonaws.licensemanager#UsageOperation",
"traits": {
"smithy.api#documentation": " The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\n \n "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {

"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " The ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource associated with the license type\n conversion task. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted to. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " The status of the conversion task. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was started at. "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",

"traits": {
"smithy.api#documentation": " The time the usage operation value of the resource was changed. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was completed. "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
"type": "string",
"traits": {

"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
}
},
"com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
"type": "enum",
"members": {
"IN_PROGRESS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "IN_PROGRESS"
}
},
"SUCCEEDED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SUCCEEDED"
}
},
"FAILED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED"
}
}

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        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTasks":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTask"
        }
    },
    "com.amazonaws.licensemanager#LicenseCountingType": {
        "type": "enum",
        "members": {
            "VCPU": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "vCPU"
                }
            },
            "INSTANCE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Instance"
                }
            },
            "CORE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Core"
                }
            },
            "SOCKET": {
                "target": "smithy.api#Unit",
                 "traits": {
                    "smithy.api#enumValue": "Socket"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseDeletionStatus": {
        "type": "enum",
        "members": {
            "PENDING_DELETE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_DELETE"
                }
            },
            "DELETED": {
```

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            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#License"
    }
},
"com.amazonaws.licensemanager#LicenseOperationFailure": {

    "type": "structure",
    "members": {
        "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
            }
        },
        "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Resource type.</p>"
            }
        },
        "ErrorMessage": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Error message.</p>"
            }
        },
        "FailureTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {

"smithy.api#documentation": "<p>Failure time.</p>"
            }
        },
        "OperationName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Name of the operation.</p>"
            }
        },
```

"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource. "
}
},
"OperationRequestedBy": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The requester is \"License Manager Automated Discovery\". "
}
},
"MetadataList": {

"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Reserved. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the failure of a license operation. "
}
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailure"
}
},
"com.amazonaws.licensemanager#LicenseSpecification": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "

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            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Details for associating a license configuration with a resource.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#LicenseSpecification"
    }
},
"com.amazonaws.licensemanager#LicenseStatus": {
    "type": "enum",
    "members": {
        "AVAILABLE": {
            "target": "smithy.api#Unit",

        "traits": {
                "smithy.api#enumValue": "AVAILABLE"
            }
        },
        "PENDING_AVAILABLE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_AVAILABLE"
            }
        },
        "DEACTIVATED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DEACTIVATED"
            }
        },
        "SUSPENDED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SUSPENDED"
            }
        },
        "EXPIRED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EXPIRED"
            }
        },
```

"PENDING_DELETE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_DELETE"
}
},
"DELETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DELETED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseUsage": {
"type": "structure",
"members": {
"EntitlementUsages": {
"target": "com.amazonaws.licensemanager#EntitlementUsageList",
"traits": {
"smithy.api#documentation": " License entitlement usages. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the entitlement usage associated with a license. "

}
},
"com.amazonaws.licensemanager#LicenseUsageException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "LicenseUsageFailure",
"httpResponseCode": 412
},
"smithy.api#documentation": " You do not have enough licenses available to support a new resource launch. ",
"smithy.api#error": "client",
"smithy.api#httpError": 412
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the resource associations for the
specified license configuration. \n Resource associations need not consume licenses from a license
configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules). "
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {

"smithy.api#documentation": " Maximum number of results
to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationAssociations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license
configuration. "
}
},
"NextToken": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"

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            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
        "type": "structure",
        "members": {
            "GrantArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {

            "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseArn</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>GrantStatus</code>\n                </p>\n            </li>\n
    <li>\n                <p>\n                <code>GranteePrincipalARN</code>\n                </p>\n            </li>\n
<li>\n                <p>\n                <code>ProductSKU</code>\n                </p>\n            </li>\n            <li>\n
<p>\n                <code>LicenseIssuerName</code>\n
        </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
```

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            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
    "type": "structure",
    "members": {
        "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",

"traits": {
                "smithy.api#documentation": "<p>Distributed grant details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
    },
    "errors": [
        {
```

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license configuration operations that failed. "
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name of the license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":

```
{
        "type": "structure",
        "members": {
           "LicenseOperationFailureList": {
              "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
              "traits": {
                 "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
              }
           },
           "NextToken": {
              "target": "com.amazonaws.licensemanager#String",
              "traits": {
                 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
              }
           }
        },
        "traits": {
           "smithy.api#output": {}
        }
     },
     "com.amazonaws.licensemanager#ListLicenseConfigurations": {
        "type": "operation",
        "input": {
           "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
        },

    "output": {
           "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
        },
        "errors": [
           {
              "target": "com.amazonaws.licensemanager#AccessDeniedException"
           },
           {
              "target": "com.amazonaws.licensemanager#AuthorizationException"
           },
           {
              "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
           },
           {
              "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
           },
           {
              "target": "com.amazonaws.licensemanager#RateLimitExceededException"
           },
           {
              "target": "com.amazonaws.licensemanager#ServerInternalException"
           }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configurations
 for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArns": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next
 set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n                Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n                Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n
<p>\n                <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n                Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>.</p>\n
    </li>\n            <li>\n                <p>\n                <code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
```

```
    }
},
"com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
    "type": "structure",
    "members": {
        "LicenseConfigurations": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurations",
            "traits": {
                "smithy.api#documentation": "<p>Information about the license configurations.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",

      "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
```

"traits": {
"smithy.api#documentation": " Lists the license type conversion tasks for your account. "
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
"type": "structure",
"members": {
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " \n Filters to scope the results. Valid filters are <code>ResourceArns</code> and <code>Status</code>.\n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
"type": "structure",
"members": {
"LicenseConversionTasks": {
"target": "com.amazonaws.licensemanager#LicenseConversionTasks",
"traits": {
"smithy.api#documentation": " Information about the license configuration tasks for your account. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}

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        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
        "type": "structure",
        "members": {
```

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported:
\n \n \n \n <code>LicenseConfigurationArn</code>\n
\n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits":
{
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
"type": "structure",
"members": {
"ReportGenerators": {
"target": "com.amazonaws.licensemanager#ReportGeneratorList",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license
configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}

}
},
"traits": {
"smithy.api#output": {}
}
},

"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Describes the license configurations for the specified resource. "
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a resource that has an associated license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {

```
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
    "type": "structure",
    "members": {
        "LicenseSpecifications": {
            "target": "com.amazonaws.licensemanager#LicenseSpecifications",
            "traits": {
                "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
            }
        },
        "NextToken": {
             "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
```

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        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                "smithy.api#required": {}
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
    "type": "structure",
    "members": {
        "Licenses": {
            "target": "com.amazonaws.licensemanager#LicenseList",
            "traits": {
                "smithy.api#documentation": "<p>License details.</p>"
            }
        },
```

```
"NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanager#ListLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
    }
  },
  "com.amazonaws.licensemanager#ListLicensesRequest": {
    "type": "structure",
    "members": {
        "LicenseArns": {
```

"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>Beneficiary</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>Status</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicensesResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#LicenseList",
"traits": {
"smithy.api#documentation": " License details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target":
"com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the received license. ",
"smithy.api#required": {}
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are
supported: \n

```
<ul>\n <li>\n <p>\n <code>ParentArn</code>\n </p>\n </li>\n
<li>\n <p>\n <code>GranteePrincipalArn</code>\n </p>\n </li>\n </ul>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
{
        "type": "structure",
        "members": {
          "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
            "traits": {
              "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
        "type": "structure",
        "members": {
          "GrantArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
```

"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranterAccountId</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",
"traits": {
"smithy.api#documentation": " Received grant details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}

```
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicenses": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
             },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists received licenses.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
```

```
            },
            "errors": [
                {
                    "target": "com.amazonaws.licensemanager#AccessDeniedException"
                },
                {
                    "target": "com.amazonaws.licensemanager#AuthorizationException"
                },
                {
                    "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
                },
                {
                    "target": "com.amazonaws.licensemanager#RateLimitExceededException"
                },
                {
                    "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
                },
                {

        "target": "com.amazonaws.licensemanager#ServerInternalException"
                },
                {
                    "target": "com.amazonaws.licensemanager#ValidationException"
                }
            ],
            "traits": {
                "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
            }
        },
        "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
            "type": "structure",
            "members": {
                "Filters": {
                    "target": "com.amazonaws.licensemanager#FilterList",
                    "traits": {
                        "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>Beneficiary</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n
                </p>\n            </li>\n        </ul>"
                    }
                },
                "NextToken": {
                    "target": "com.amazonaws.licensemanager#String",
                    "traits": {
                        "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                    }
                },
                "MaxResults": {
```

"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#GrantedLicenseList",
"traits": {
"smithy.api#documentation": " Lists the licenses the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>IssuerName</code>\n \n \n \n \n

```
<code>Beneficiary</code>\n            </p>\n          </li>\n        </ul>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
        "type": "structure",
        "members": {
          "Licenses": {
            "target": "com.amazonaws.licensemanager#GrantedLicenseList",
            "traits": {
                "smithy.api#documentation": "<p>Received license details.</p>"
            }
          },

         "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListResourceInventory": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
```

```
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#FailedDependencyException"
          },
          {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
        }
      },
      "com.amazonaws.licensemanager#ListResourceInventoryRequest": {
        "type": "structure",
        "members": {
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          },
          "Filters": {
            "target": "com.amazonaws.licensemanager#InventoryFilterList",
            "traits": {
              "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n <ul>\n <li>\n <p>\n <code>account_id</code>
```

- The ID of the Amazon Web Services account that owns the resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n
\n \n \n <code>application_name</code> - The name of the application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n
\n \n \n <code>license_included</code> - The type of license included. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
\n <code>platform</code> - The platform of the resource.\n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n \n \n \n
<code>resource_id</code> - The ID of the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n
<code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account). \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
"type": "structure",
"members": {
"ResourceInventoryList": {
"target": "com.amazonaws.licensemanager#ResourceInventoryList",
"traits": {
"smithy.api#documentation": " Information about the resources. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
},

```
        "output": {
            "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
             },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
```

```
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
        "errors":
[
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists your tokens.</p>"
        }
      },
      "com.amazonaws.licensemanager#ListTokensRequest": {
        "type": "structure",
        "members": {
          "TokenIds": {
            "target": "com.amazonaws.licensemanager#StringList",
            "traits": {

              "smithy.api#documentation": "<p>Token IDs.</p>"
            }
          },
          "Filters": {
```

"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filter is supported: \n
\n \n \n <code>LicenseArns</code>\n \n \n
"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation":
" Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListTokensResponse": {
"type": "structure",
"members": {
"Tokens": {
"target": "com.amazonaws.licensemanager#TokenList",
"traits": {
"smithy.api#documentation": " Received token details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
"type": "operation",

"input": {
"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists all license usage records for a license configuration, displaying license\n consumption details by resource at a selected point in time. Use this action to audit the\n current license consumption for any license inventory and configuration. "
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}

```
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>resourceArn</code> - The ARN of the license configuration resource.\n
            Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n
 <li>\n                <p>\n                <code>resourceType</code> - The resource type
(<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> |
<code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n                <p>\n
    <code>resourceAccount</code> - The ID of the account that owns the resource. \n                Logical operators
are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
        "type": "structure",
        "members": {

 "LicenseConfigurationUsageList": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
```

```
    "com.amazonaws.licensemanager#Location": {
      "type": "string"
    },
    "com.amazonaws.licensemanager#Long": {
      "type": "long"
    },
    "com.amazonaws.licensemanager#ManagedResourceSummary": {
      "type": "structure",
      "members": {
        "ResourceType":
{
          "target": "com.amazonaws.licensemanager#ResourceType",
          "traits": {
            "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
          }
        },
        "AssociationCount": {
          "target": "com.amazonaws.licensemanager#BoxLong",
          "traits": {
            "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
      }
    },
    "com.amazonaws.licensemanager#ManagedResourceSummaryList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
      }
    },
    "com.amazonaws.licensemanager#MaxSize100": {

    "type": "integer",
      "traits": {
        "smithy.api#range": {
          "min": 1,
          "max": 100
        }
      }
    },
    "com.amazonaws.licensemanager#MaxSize3StringList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanager#String"
      },
```

"traits": {
"smithy.api#length": {
"min": 0,
"max": 3
}
}
},
"com.amazonaws.licensemanager#Message": {
"type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The key name. "
}
},

"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The value. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes key/value pairs. "
}
},
"com.amazonaws.licensemanager#MetadataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Metadata"
}
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",

"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n \n \n As a grantor, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your organization. \n \n \n As a grantee, if the grantor creating the distributed grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n are activating the grant. \n \n \n <dl>\n <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n Use this value to activate a grant without replacing any member accounts\n active grants for the same product. \n </dd>\n <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n Use this value to activate a grant and disable other active grants in any\n member accounts
for the same product. This action will also replace their\n previously activated grants with this activated grant. \n </dd>\n </dl>"
}
}
},
"traits": {
"smithy.api#documentation": " The options you can specify when you create a new version of a grant, such as activation\n override behavior. For more information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#OrganizationConfiguration": {
"type": "structure",
"members": {
"EnableIntegration": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,
"smithy.api#documentation":
" Enables Organizations integration. ",
"smithy.api#required": {}
}
}

```
        },
        "traits": {
            "smithy.api#documentation": "<p>Configuration information for Organizations.</p>"
        }
    },
    "com.amazonaws.licensemanager#PrincipalArnList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Arn"
        },
        "traits": {
            "smithy.api#length": {
                "min": 1,
                "max": 1
            }
        }
    },
    "com.amazonaws.licensemanager#ProductInformation": {
        "type": "structure",
        "members": {
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Resource type. The
 possible values are <code>SSM_MANAGED</code> | <code>RDS</code>.</p>",
                    "smithy.api#required": {}
                }
            },
            "ProductInformationFilterList": {
                "target": "com.amazonaws.licensemanager#ProductInformationFilterList",
                "traits": {
                    "smithy.api#documentation": "<p>A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a
<code>ProductInformationFilterValue</code> that specifies the value to filter on. </p>\n        <p>Accepted values
for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for
<code>ProductInformationFilterComparator</code>. </p>\n        <p>The following filters and are supported when
the resource type \n        is <code>SSM_MANAGED</code>:</p>\n
        <ul>\n            <li>\n                <p>\n                <code>Application Name</code> - The name of the
application.\n                Logical operator is <code>EQUALS</code>.</p>\n            </li>\n            <li>\n
<p>\n                <code>Application Publisher</code> - The publisher of the application.\n                Logical
operator is <code>EQUALS</code>.</p>\n            </li>\n            <li>\n                <p>\n
<code>Application Version</code> - The version of the application.\n                Logical operator is
<code>EQUALS</code>.</p>\n            </li>\n            <li>\n                <p>\n                <code>Platform
Name</code> - The name of the platform.\n                Logical operator is <code>EQUALS</code>.</p>\n
</li>\n            <li>\n                <p>\n                <code>Platform Type</code> - The platform type.\n
Logical operator is <code>EQUALS</code>.</p>\n
```

```
</li>\n <li>\n <p>\n <code>Tag:key</code> - The key of a tag attached to an
Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is
<code>NOT_EQUALS</code>.  The key for your tag must be appended to <code>Tag:</code> following the
example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you
are not using values for the key.\n </p>\n </li>\n <li>\n <p>\n
<code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from
automated discovery.\n Logical operator is <code>NOT_EQUALS</code>.</p>\n </li>\n
<li>\n <p>\n <code>License Included</code> - The type of license included.\n Logical
operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are:
 <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-
web</code> |  \n <code>windows-server-datacenter</code>.</p>\n </li>\n </ul>\n
<p>The following filters and logical operators are supported when the resource type\n is
<code>RDS</code>:</p>\n <ul>\n <li>\n <p>\n <code>Engine Edition</code> -
The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible
values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-
se2</code>.</p>\n </li>\n <li>\n <p>\n <code>License Pack</code> - The license
pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data
guard</code> | \n <code>diagnostic pack sqlt</code> | \n
<code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>.</p>\n
</li>\n </ul>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes product information for a license configuration.</p>"
    }
  },
  "com.amazonaws.licensemanager#ProductInformationFilter": {
    "type": "structure",
    "members": {
        "ProductInformationFilterName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Filter name.</p>",
                "smithy.api#required": {}
            }
        },
        "ProductInformationFilterValue": {
            "target": "com.amazonaws.licensemanager#StringList",

      "traits": {
                "smithy.api#documentation": "<p>Filter value.</p>"
            }
        },
        "ProductInformationFilterComparator": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

```
            "smithy.api#documentation": "<p>Logical operator.</p>",
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Describes product information filters.</p>"
      }
    },
    "com.amazonaws.licensemanager#ProductInformationFilterList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanager#ProductInformationFilter"
      }
    },
    "com.amazonaws.licensemanager#ProductInformationList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanager#ProductInformation"
      }
    },
    "com.amazonaws.licensemanager#ProvisionalConfiguration": {
      "type": "structure",
      "members": {
        "MaxTimeToLiveInMinutes": {
          "target": "com.amazonaws.licensemanager#BoxInteger",
          "traits": {
            "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
      }
    },
    "com.amazonaws.licensemanager#RateLimitExceededException": {
      "type": "structure",
      "members": {
        "Message": {
          "target": "com.amazonaws.licensemanager#Message"
        }
      },
      "traits": {
        "aws.protocols#awsQueryError": {
          "code": "RateLimitExceeded",
          "httpResponseCode": 429
        },
```

"smithy.api#documentation": " Too many requests have been submitted. Try again after a brief wait. ",
"smithy.api#error": "client",
"smithy.api#httpError": 429
}
},
"com.amazonaws.licensemanager#ReceivedMetadata": {
"type": "structure",
"members": {
"ReceivedStatus": {
"target": "com.amazonaws.licensemanager#ReceivedStatus",
"traits": {
"smithy.api#documentation": " Received status. "
}
},
"ReceivedStatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Received status reason. "
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations. "
}
}
},
"traits": {
"smithy.api#documentation": " Metadata associated with received licenses and grants. "
}
},
"com.amazonaws.licensemanager#ReceivedStatus": {
"type": "enum",
"members": {
"PENDING_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_WORKFLOW"
}
},
"PENDING_ACCEPT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_ACCEPT"
}

```
        },
        "REJECTED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "REJECTED"
            }
        },
        "ACTIVE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ACTIVE"
            }
        },
        "FAILED_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED_WORKFLOW"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        },
        "DISABLED": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "DISABLED"
            }
        },
        "WORKFLOW_COMPLETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "WORKFLOW_COMPLETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#RedirectException": {
    "type": "structure",
    "members": {
        "Location": {
            "target": "com.amazonaws.licensemanager#Location",
            "traits": {
                "smithy.api#httpHeader": "Location"
            }
        },
```

```
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
             "smithy.api#error": "client",
            "smithy.api#httpError": 308
        }
    },
    "com.amazonaws.licensemanager#RejectGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#RejectGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#RejectGrantResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#RejectGrantRequest": {
        "type": "structure",
```

```
        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}

  }
    },
    "com.amazonaws.licensemanager#RejectGrantResponse": {
        "type": "structure",
        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
              "smithy.api#documentation": "<p>Grant status.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Grant version.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#RenewType":
{
        "type": "enum",
        "members": {
          "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "None"
```

```
            }
          },
          "WEEKLY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Weekly"
            }
          },
          "MONTHLY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Monthly"
            }
          }
        }
      },
      "com.amazonaws.licensemanager#ReportContext": {
        "type": "structure",
        "members": {
          "licenseConfigurationArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
            "traits": {

        "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration that this
generator reports on.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Details of the license configuration that this generator reports on.</p>"
        }
      },
      "com.amazonaws.licensemanager#ReportFrequency": {
        "type": "structure",
        "members": {
          "value": {
            "target": "com.amazonaws.licensemanager#Integer",
            "traits": {
              "smithy.api#documentation": "<p>Number of times within the frequency period that a report is
generated.  \n        The only supported value is <code>1</code>.</p>"
            }
          },
          "period": {
            "target": "com.amazonaws.licensemanager#ReportFrequencyType",

           "traits": {
              "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
```

or monthly. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
"type": "enum",
"members": {
"DAY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DAY"
}
},
"WEEK": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WEEK"
}
},
"MONTH": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "MONTH"
}
}
}
},
"com.amazonaws.licensemanager#ReportGenerator": {
"type": "structure",
"members": {
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the report generator. "
}
},
"ReportType": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports that are generated. "
}
},
"ReportContext": {

"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " License
configuration type for this generator. "
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. "
}
},
"LastRunStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the last report generation attempt. "
}
},
"LastRunFailureReason":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Failure message for the last report generation attempt. "
}
},
"LastReportGenerationTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the last report was generated at. "
}
},
"ReportCreatorAccount": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Web Services account ID used to create the report
generator. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"S3Location": {
"target": "com.amazonaws.licensemanager#S3Location",
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the report was created. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags associated with the report generator. "
}

}
},
"traits": {
"smithy.api#documentation": " Describe the details of a report generator. "
}
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ReportGenerator"
}
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}
}
},
"com.amazonaws.licensemanager#ReportType": {
"type": "enum",
"members": {
"LICENSE_CONFIGURATION_SUMMARY_REPORT": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "LicenseConfigurationSummaryReport"
}

},
"LICENSE_CONFIGURATION_USAGE_REPORT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "LicenseConfigurationUsageReport"
}
}
}
},
"com.amazonaws.licensemanager#ReportTypeList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ReportType"
}
},
"com.amazonaws.licensemanager#ResourceInventory": {
"type": "structure",
"members": {
"ResourceId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits":
{
"smithy.api#documentation": " Type of resource. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"Platform": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Platform of the resource. "
}
},

"PlatformVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Platform version of the resource in the inventory. "
}
},
"ResourceOwningAccountId":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about a resource. "
}
},
"com.amazonaws.licensemanager#ResourceInventoryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ResourceInventory"
}
},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "ResourceLimitExceeded",

"httpResponseCode": 400
},
"smithy.api#documentation": " Your resource limits have been exceeded. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}

```
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
    "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_INSTANCE"
            }
        },
        "EC2_HOST": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_HOST"
            }
        },
        "EC2_AMI": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_AMI"
            }
        },
        "RDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "RDS"
            }
        },
        "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
            }
        }
    }
},
"com.amazonaws.licensemanager#S3Location": {
    "type": "structure",
```

"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"com.amazonaws.licensemanager#ServerInternalException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InternalError",
"httpResponseCode": 500
},
"smithy.api#documentation": " The server experienced an internal error. Try again. ",
"smithy.api#error": "server",
"smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanager#SignedToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 4096
}
}
},
"com.amazonaws.licensemanager#StatusReasonMessage": {
"type": "string",
"traits":

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{
            "smithy.api#length": {
                "min": 0,
                "max": 400
            },
            "smithy.api#pattern": "^[\\s\\S]+$"
        }
    },
    "com.amazonaws.licensemanager#String": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#StringList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#Tag": {
        "type": "structure",
        "members": {
            "Key": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Tag key.</p>"
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Tag value.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagKeyList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#TagList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Tag"
```

```
        }
    },
    "com.amazonaws.licensemanager#TagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#TagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#TagResourceResponse"
        },
        "errors": [
            {
                "target":
 "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>One or more tags.</p>",
```

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#TagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#TokenData": {
"type": "structure",
"members": {
"TokenId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token ID. "
}
},
"TokenType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"ExpirationTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Token expiration time, in ISO8601-UTC
format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "

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            }
        },
        "RoleArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the roles included in the
token.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token status. The possible values are
<code>AVAILABLE</code> and <code>DELETED</code>.</p>"
            }
        }
    },
    "traits": {

      "smithy.api#documentation": "<p>Describes a token.</p>"
    }
  },
  "com.amazonaws.licensemanager#TokenList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#TokenData"
    }
  },
  "com.amazonaws.licensemanager#TokenString": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 4096
        },
        "smithy.api#pattern": "^\\S+$"
    }
  },
  "com.amazonaws.licensemanager#TokenType": {
    "type": "enum",
    "members": {
        "REFRESH_TOKEN": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "REFRESH_TOKEN"
            }
        }
    }
```

```
    },
    "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
 {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The digital signature method is unsupported. Try your request
again.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UntagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
             },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Removes the specified tags from the specified license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#UntagResourceRequest": {
        "type": "structure",
```

"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanager#TagKeyList",
"traits": {
"smithy.api#documentation": " Keys identifying the tags to remove. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Modifies the attributes of an existing license configuration. "
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"LicenseConfigurationStatus": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
"traits": {
"smithy.api#documentation": " New status of the license configuration. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " New license rule. The only rule that you can add after you create a license\n configuration is licenseAffinityToHost. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {

"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name
of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is
uninstalled. "
}
}
},
"traits":
{
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates a report generator. \n After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated. "
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator to update. ",
"smithy.api#required": {}
}
},
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {

"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation":
" Type of reports to generate. The following report types are supported: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " The report context. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}

```
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },

            {
                "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
            },
            {
                "target": "com.amazonaws.licensemanager#LicenseUsageException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified
Amazon Web Services resource.</p>\n        <p>You can update the license specifications of AMIs, instances, and
hosts.\n        You cannot update the license specifications for launch templates and CloudFormation templates, \n
 as they send license configurations to the operation that creates the resource.</p>"
        }
    },
```

"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon Web Services resource. ",
"smithy.api#required": {}
}
},
"AddLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to add. "
}
},
"RemoveLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to remove. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"

```
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
        "type": "structure",
        "members": {
            "S3BucketArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
 Manager information is stored.</p>"
                }
            },
            "SnsTopicArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts.</p>"
                }
            },
            "OrganizationConfiguration": {
                "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account discovery.</p>"
                }
            },
            "EnableCrossAccountsDiscovery": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"
```

```
        }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UsageOperation": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            }
        }
    },
    "com.amazonaws.licensemanager#ValidationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

    "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    }
  }
}
```


1.6842 pgtype 1.6.2

1.6842.1 Available under license :

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1.6843 aws-sdk-go-v2-service-internal-accept-encoding 1.11.3

1.6843.1 Available under license :

```
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
       uses: actions/checkout@v2
       with:
         path: new-ref
```

```
        fetch-depth: 0
    - name: Get Diff
      run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
    - name: Get Target Files
      run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
    - name: Checkout scancode
      uses: actions/checkout@v2
      with:
        repository: nexB/scancode-toolkit
        path: scancode-toolkit
        fetch-depth: 1
    - name: Set up Python ${{ matrix.python-version }}
       uses: actions/setup-python@v2
      with:
        python-version: ${{ matrix.python-version }}
    # ScanCode
    - name: Self-configure scancode
      working-directory: ./scancode-toolkit
      run: ./scancode --help
    - name: Run Scan code on target
      run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
    - name: Run Scan code on pr ref
      run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
CreateLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
```

GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
ListReceivedLicenses
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper

RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "shapes": {
    "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
      "type": "integer"
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
      "type": "long"
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
      "type": "structure",
      "members": {
        "Name": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The type of name to filter by.</p>"
          }
        },
        "Values": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
          "traits": {
            "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
          }
        },
        "Operator": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
          "traits": {
            "smithy.api#documentation": "<p>An operator for filtering results.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe
operation.\n      Filters can be used to match a set of resources by specific criteria.</p>"
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
```

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
},
"output": {

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions service settings. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetServiceSettings"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest":
{
"type": "structure",
"members": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " Lists the settings defined for Linux subscriptions discovery. The
settings include if\n Organizations integration has been enabled, and

which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}
},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
"type": "structure",
"members": {
"AmiId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The AMI ID used to launch the instance. "
}
},
"InstanceID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The instance ID of the resource. "
}
},
"InstanceType": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The instance type of the resource. "
}

},
"AccountID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The account ID which owns the instance. "
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the instance. "
}
},
"Region": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},
"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the subscription being used by the instance. "
}

```
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details discovered information about a running instance using Linux
subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
             }
        },
        "traits": {
            "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
            "smithy.api#error": "server"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
        "type": "service",
        "version": "2018-05-10",
        "operations": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
            }
        ],

    "traits": {
            "aws.api#service": {
                "sdkId": "License Manager Linux Subscriptions",
                "arnNamespace": "license-manager-linux-subscriptions",
                "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
```

},
"aws.auth#sigv4": {
"name": "license-manager-linux-subscriptions"
},
"aws.protocols#restJson1": {},
"smithy.api#cors": {
"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id",
"content-length",
"x-api-key",
"authorization",
"x-amz-date",

"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager, you can discover and track your commercial Linux subscriptions on running\n Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
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"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",

"type": "Boolean"
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"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",

"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
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"rules": [
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"fn": "isSet",
"argv": [
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"ref": "Endpoint"
}
]
}
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"type": "tree",
"rules": [
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"conditions": [
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"argv": [
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"ref": "UseFIPS"
},
true
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"error": "Invalid Configuration: FIPS and custom endpoint are not supported",
"type": "error"
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                      "type": "error"
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                    }
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                      "fn": "isSet",

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                          "ref": "Region"
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                        "argv": [
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                                "ref": "Region"
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"assign": "PartitionResult"
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                                "argv": [
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                                    true
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                                        "ref": "UseDualStack"
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                                "conditions": [
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"fn": "booleanEquals",
"argv": [
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"fn": "getAttr",
"argv": [
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"ref": "PartitionResult"
},
"supportsFIPS"
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"argv": [
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"ref": "PartitionResult"
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"supportsDualStack"
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"headers": {}
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"type": "endpoint"
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"type": "error"
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"conditions": [
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"argv": [
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{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsFIPS"
]
}
]
}

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                        "conditions": [],
                        "type": "tree",
                        "rules": [
                            {
                                "conditions": [],
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fips.{Region}.{PartitionResult#dnsSuffix}",
                                    "properties": {},
                                    "headers": {}

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                                "type": "endpoint"
                            }
                        ]
                    }
                ]
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            {
                "conditions": [],
                "error": "FIPS is enabled but this partition does not support FIPS",
                "type": "error"
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        ]

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            "conditions": [
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                    "fn": "booleanEquals",
                    "argv": [
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                            "ref": "UseDualStack"
                        },
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                    ]
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                                "argv": [
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                                        "ref": "PartitionResult"
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subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                    "properties": {},
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                                "type": "endpoint"
                            }
                        ]
                    }
                ]
            },

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"headers": {}
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"type": "endpoint"
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"error": "Invalid Configuration: Missing Region",
"type": "error"
}
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"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
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"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {

"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"

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        }
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    "params": {
        "Region": "us-east-1",
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        "UseDualStack": false
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{
    "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
        }
    },
    "params": {
        "Region": "us-east-1",
        "UseFIPS": false,
         "UseDualStack": true
    }
},
{
    "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
        }
    },
    "params": {
        "Region": "us-east-1",
        "UseFIPS": false,
        "UseDualStack": false
    }
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    "expect": {
        "endpoint": {

    "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
        }
    },
    "params": {
        "Region": "cn-north-1",
        "UseFIPS": true,
        "UseDualStack": true
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          "expect": {
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            }
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          "params": {
            "Region": "cn-north-1",
            "UseFIPS": true,
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            }
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          "params": {
            "Region": "cn-north-1",
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              "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
            }
          },
          "params": {
            "Region": "cn-north-1",
            "UseFIPS": false,
            "UseDualStack": false
          }
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          "expect": {
            "endpoint": {
              "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
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"Region": "us-gov-east-1",
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"UseFIPS": true,
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
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"url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
}
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
}
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {

"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {
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"UseFIPS": true,
"UseDualStack": true
}
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
"Region": "us-iso-east-1",
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"UseDualStack": true
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},
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",

"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {

"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region us-isob-east-1 with FIPS disabled
and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
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{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",

"UseFIPS": false,
"UseDualStack": false
}

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            },
            {
              "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://example.com"
                }
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
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            {
              "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",

        "expect": {
                "endpoint": {
                  "url": "https://example.com"
                }
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              "params": {
                "UseFIPS": false,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
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              "documentation": "For custom endpoint with fips enabled and dualstack disabled",
              "expect": {
                "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": false,

          "Endpoint": "https://example.com"
              }
            },
            {
              "documentation": "For custom endpoint with fips disabled and dualstack enabled",
              "expect": {
                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
              },
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                "params": {
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                  "UseFIPS": false,
                  "UseDualStack": true,
                  "Endpoint": "https://example.com"
                }
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              {
                "documentation": "Missing region",
                "expect": {
                  "error": "Invalid Configuration: Missing Region"
                }

          }
            ],
            "version": "1.0"
          }
        }
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      "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
        "type": "string",
        "traits": {
          "smithy.api#enum": [
            {
              "name": "Enabled",
              "value": "Enabled",
              "documentation": "Enabled LinuxSubscriptionsDiscovery"
            },
            {
              "name": "Disabled",
              "value": "Disabled",
              "documentation": "Disabled LinuxSubscriptionsDiscovery"
            }
          ]
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
        "type": "structure",
        "members": {
          "SourceRegions": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
             "traits": {
              "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
              "smithy.api#required": {}
            }
          },
          "OrganizationIntegration": {
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
"traits": {
"smithy.api#documentation": " Details if you have enabled resource discovery across your accounts in Organizations. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Lists the settings defined for discovering Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
"type":
"operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions. ",
"smithy.api#http": {

"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptionInstances"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Instances"
}

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        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify. For example, you can filter by
 the name of\n        <code>AmiID</code> with an optional operator to see subscriptions that match, partially\n
match, or don't match a certain Amazon Machine Image (AMI) ID.</p>\n        <p>The valid names for this filter
are:</p>\n        <ul>\n            <li>\n                <p>\n                <code>AmiID</code>\n                </p>\n
</li>\n            <li>\n                <p>\n                <code>InstanceID</code>\n                </p>\n            </li>\n
<li>\n                <p>\n                <code>AccountID</code>\n                </p>\n            </li>\n            <li>\n
<p>\n                <code>Status</code>\n                </p>\n            </li>\n            <li>\n                <p>\n
<code>Region</code>\n                </p>\n            </li>\n            <li>\n                <p>\n
<code>UsageOperation</code>\n                </p>\n            </li>\n            <li>\n
    <p>\n                <code>ProductCode</code>\n                </p>\n            </li>\n            <li>\n                <p>\n
     <code>InstanceType</code>\n                </p>\n            </li>\n        </ul>\n        <p>The valid Operators for this
filter are:</p>\n        <ul>\n            <li>\n                <p>\n                <code>contains</code>\n                </p>\n
</li>\n            <li>\n                <p>\n                <code>equals</code>\n                </p>\n            </li>\n            <li>\n
        <p>\n                <code>Notequal</code>\n                </p>\n            </li>\n        </ul>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"

       }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>",
                    "smithy.api#length": {
                        "min": 1,
                        "max": 16384
                    }
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
        }
    },
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"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
"type": "structure",
"members": {
"Instances": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
"traits": {
"smithy.api#documentation":
" An array that contains instance objects. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptions"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {

"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Subscriptions"
}

}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't match a certain subscription's name. \n The valid names for this filter are: \n \n \n \n <code>Subscription</code>\n \n \n \n The valid Operators for this filter are: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. ",
"smithy.api#length": {

"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
}
},

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    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
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        "members": {
            "Subscriptions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
                "traits": {
                    "smithy.api#documentation": "<p>An array that contains subscription objects.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for
the next set of results.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "EQUAL",
                    "value": "Equal",
                    "documentation": "Equal operator"
                },
                {
                    "name": "NOT_EQUAL",
                    "value": "NotEqual",
                    "documentation": "Not equal operator"
                },
                {
                    "name": "CONTAINS",
                    "value": "Contains",
                    "documentation": "Contains operator"
                }
            ],
            "smithy.api#length": {
                "min": 1,
                "max": 20
            }
        }
    },

  "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration": {
        "type": "string",
        "traits": {
```

"smithy.api#enum": [
{
"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled OrganizationIntegration"
},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled OrganizationIntegration"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
"type": "list",
"member": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
"type": "string",
"traits": {
"smithy.api#enum": [

{
"name": "InProgress",
"value": "InProgress",
"documentation": "InProgress status"
},
{
"name": "Completed",
"value": "Completed",
"documentation": "Completed status"
},
{
"name": "Successful",
"value": "Successful",
"documentation": "Successful status"
},
{
"name": "Failed",
"value": "Failed",
"documentation": "Failed status"
}
]
}
},

"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#length": {
"min": 1,
"max": 100
}
}
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
},
"smithy.api#uniqueItems": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
"type": "structure",
"members": {
"Name": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the subscription. "

}
},
"Type": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS. "
}
},

"InstanceCount": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
"traits": {
"smithy.api#documentation": " The total amount of running instances using this subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " An object which details a discovered Linux subscription. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request was denied due to request throttling. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
},

"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates the service settings for Linux subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/UpdateServiceSettings"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest":
{
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
                    "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
                    "smithy.api#required": {}
                }
            },
            "LinuxSubscriptionsDiscoverySettings": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
                "traits": {
                    "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The
settings include if Organizations\n      integration has been enabled, and which Regions data will be aggregated
from.</p>",

  "smithy.api#required": {}
                }
            },
            "AllowUpdate": {
                "target": "smithy.api#Boolean",
                "traits": {
                    "smithy.api#documentation": "<p>Describes if updates are allowed to the service settings for Linux
subscriptions. If you\n      allow updates, you can aggregate Linux subscription data in more than one home
Region.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
```

"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},

"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}
},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The provided input is not valid. Try your request again. ",
"smithy.api#error": "client"
}
}

```
   }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
```

```
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
```

```
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
```

```
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
```

```
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string
```

// Unique, case-sensitive identifier that you provide to ensure the idempotency of
// the request.
//
//
This member is required.
ClientToken *string

// Configuration for consumption of the license. Choose a provisional
// configuration for workloads running with continuous connectivity. Choose a
// borrow configuration for workloads with offline usage.
//
// This member is required.
ConsumptionConfiguration *types.ConsumptionConfiguration

// License entitlements.
//
// This member is required.
Entitlements []types.Entitlement

// Home Region for the license.
//
// This member is required.
HomeRegion *string

// License issuer.
//
// This member is required.
Issuer *types.Issuer

// License name.
//
// This member is required.
LicenseName *string

// Product name.
//
// This member is required.
ProductName *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// Date and time range during which the license is valid, in ISO8601-UTC format.
//
// This member is required.

```
 Validity *types.DatetimeRange

 // Information about
 the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if
 err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
```

```
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return
 err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
```

```
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName:
 "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
```

```
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
```

```
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil
{
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
```

```
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
CheckoutLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
```

ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
DisassociateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2

disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckoutBorrowLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever

```
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
AssociateLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
```

```
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
   - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string
```

```
 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
```

```
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err
= smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
```

```
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {
```

```
 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err
 != nil {
  return err
```

```
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpGetLicenseValidationMiddleware(stack);
 err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
```

```
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }
```

```
 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
```

```
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
```

```
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
```

```
 }
}
ListLicenses
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
```

AWS SDK for Go

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```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
```

```
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
```

```
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err !=
 nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
```

```
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil
 {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
```

```
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
DeleteLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
GetLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
```

```
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }
```

```
 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}
```

```
type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
```

```
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return
err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
```

```
 }
 if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
```

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```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
```

```
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if
 err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
```

```
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil
 {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
 }
}
```

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```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

```
// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License
```

```
 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack,
 options, "ListLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
```

```
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack);
 err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
```

```
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:
     ServiceID,
  OperationName: "ListLicenses",
 }
}
CheckInLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
{
  "smithy": "2.0",
  "shapes": {
      "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
          "type": "structure",
```

```
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
        "type": "structure",
        "members": {
            "DirectoryId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation":
"<p>Details about an Active Directory identity provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Associates the user to an EC2 instance to utilize user-based
subscriptions.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related
costs will take 48\n        hours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing
status) in Amazon Web Services Billing. For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n
        monthly charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/AssociateUser"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the
 EC2 instance, which provides user-based subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>The identity provider of the user.</p>",
                    "smithy.api#required": {}
                }
            },
```

```
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
        "type": "structure",
        "members": {
            "InstanceUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
                 "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
        "type": "integer"
    },
    "com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The request couldn't be completed because it conflicted with the current
state of the\n      resource.</p>",
            "smithy.api#error": "server"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider":
 {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deregisters the identity provider from providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/DeregisterIdentityProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            }
```

```
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
        "type": "structure",
        "members": {
            "IdentityProviderSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
                "traits": {
                    "smithy.api#documentation":
"<p>Metadata that describes the results of an identity provider operation.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
```

subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/DisassociateUser"
},
"smithy.api#idempotent": {}
}

},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based
subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation":
" An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
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"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
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"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {

"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
}
},

"com.amazonaws.licensemanagerusersubscriptions#Filter": {
"type": "structure",
"members": {
"Attribute": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of an attribute to use as a filter. "
}
},
"Operation": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of search (For example, eq, geq, leq) "
}
},
"Value": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Value of the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used
to return more specific results from a describe\n operation. Filters can be used to match a set of resources by
specific criteria, such as tags,\n attributes, or IDs. "
}
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"com.amazonaws.licensemanagerusersubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
}
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"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
"type": "union",
"members": {
"ActiveDirectoryIdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",

"traits": {
"smithy.api#documentation": " An object that details an Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation":
" Details about an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " An object that details the registered identity providers product
related configuration\n settings such as the subnets to provision VPC endpoints. ",
"smithy.api#required":
{}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of an identity provider. ",
"smithy.api#required": {}
}
},
"FailureMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The failure message associated with an identity provider. "
}

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            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>Describes an identity provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
        }
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    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status
 of an EC2 instance resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "Products": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
                    "smithy.api#required": {}
                }
            },
            "LastStatusCheckDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The date of the last status check.</p>"
                }
            },
            "StatusMessage": {
                "target": "smithy.api#String",
                "traits": {
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"smithy.api#documentation": " The status message for an EC2 instance. "
}

}
},
"traits": {
"smithy.api#documentation": " Describes an EC2 instance providing user-based subscriptions. "
}
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"com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
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},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits":
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"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based
subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a user associated with an EC2 instance. ",
"smithy.api#required": {}
}
},

"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for users of an EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},
"AssociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was associated with an EC2 instance. "
}
},
"DisassociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was disassociated from an EC2 instance. "
}
}

},
"traits": {
"smithy.api#documentation": " Describes users of an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " An exception occurred with the service. ",
"smithy.api#error": "server"
}

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    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
      "type": "service",

     "version": "2018-05-10",
      "operations": [
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"

  },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
        }
      ],
      "traits": {
        "aws.api#service": {
          "sdkId": "License Manager User Subscriptions",
          "arnNamespace": "license-manager-user-subscriptions",
          "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
        },
        "aws.auth#sigv4": {
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"name": "license-manager-user-subscriptions"
},
"aws.protocols#restJson1": {},
"smithy.api#cors": {
"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id",
"content-length",
"x-api-key",
"authorization",
"x-amz-date",
"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"

]
},
"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n a per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {

"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}

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"rules": [
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"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
]
}
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"type": "tree",
"rules": [
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"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"
},

true
]
}
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"error": "Invalid Configuration: FIPS and custom endpoint are not supported",
"type": "error"
},
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"conditions": [
{

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                "argv": [
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                    "ref": "UseDualStack"
                  },
                  true
                ]
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            ],

"error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
            "type": "error"
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            "conditions": [],
            "endpoint": {
              "url": {
                "ref": "Endpoint"
              },
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              "headers": {}
            },
            "type": "endpoint"
          }
        ]
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            "fn": "isSet",
            "argv": [

{
                "ref": "Region"
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            ]
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            "conditions": [
              {
                "fn": "aws.partition",
                "argv": [
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                    "ref": "Region"
                  }
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                    ],
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            "type": "tree",

        "rules": [
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                        {
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                            "argv": [
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                                    "ref": "UseFIPS"
                                },
                                true
                            ]
                        },
                        {
                            "fn": "booleanEquals",
                            "argv": [
                                {
                                    "ref": "UseDualStack"

                                },
                                true
                            ]
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                            "conditions": [
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                                    "fn": "booleanEquals",
                                    "argv": [
                                        true,
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                                            "fn": "getAttr",

"argv": [
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                                                    "ref": "PartitionResult"
                                                },
                                                "supportsFIPS"
                                            ]
                                        }
                                    ]
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                    },
                    {
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                      "argv": [
                        true,
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"fn": "getAttr",
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                              "ref": "PartitionResult"
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                            "supportsDualStack"
                          ]
                        }
                      ]
                    }
                  ],
                  "type": "tree",
                  "rules": [
                    {

"conditions": [],
                      "endpoint": {
                        "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                        "properties": {},
                        "headers": {}
                      },
                      "type": "endpoint"
                    }
                  ]
                },
                {
                  "conditions": [],
                  "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
                   "type": "error"
                }
              ]
            },
            {
              "conditions": [
                {
                  "fn": "booleanEquals",
                  "argv": [
                    {
                      "ref": "UseFIPS"
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                    },
                    true
                ]
            }
        ],
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    "rules": [
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                "conditions": [
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                        "argv": [
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                            {
                                "fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsFIPS"

                    ]
                            }
                        ]
                    }
                ],
                "type": "tree",
                "rules": [
                    {
                        "conditions": [],
                        "endpoint": {
                            "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
                            "properties": {},
                            "headers": {}

            },
                        "type": "endpoint"
                    }
                ]
            },
            {
                "conditions": [],
                "error": "FIPS is enabled but this partition does not support FIPS",
                "type": "error"
            }
        ]
```

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                    },
                    {
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                                "fn": "booleanEquals",
                                "argv": [
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                                        "ref": "UseDualStack"
                                    },
                                    true
                                ]
                            }
                        ],
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                            {
                                "conditions": [
                                    {
                                        "fn": "booleanEquals",
                                        "argv": [
                                            true,
                                            {

                                            "fn": "getAttr",
                                                "argv": [
                                                    {
                                                        "ref": "PartitionResult"
                                                    },
                                                    "supportsDualStack"
                                                ]
                                            }
                                        ]
                                    }
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                                "rules": [
                                    {

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subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                            "properties": {},
                                            "headers": {}
                                        },
                                        "type": "endpoint"
                                    }
                                ]
```

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                    },
                    {
                        "conditions": [],
                        "error": "DualStack is enabled but this partition does
not support DualStack",
                        "type": "error"
                    }
                ]
            },
            {
                "conditions": [],
                "endpoint": {
                    "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
                    "properties": {},
                    "headers": {}
                },
                "type": "endpoint"
            }
        ]
    }
  ]
},
{
  "conditions":
[],
  "error": "Invalid Configuration: Missing Region",
  "type": "error"
}
]
},
"smithy.rules#endpointTests": {
  "testCases": [
    {
      "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
        }
      },
      "params": {
        "Region": "us-east-1",
        "UseFIPS": true,
        "UseDualStack": true
      }
    },
    {
      "documentation":
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"For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
}
},

"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with
FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
}
},

"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},

"params": {
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"UseDualStack": false
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"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
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"url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1
with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{

"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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}
},
"params": {
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"UseDualStack": false
}
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"documentation": "For region us-gov-east-1
with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect":
{
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack":
true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"

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                }
            },
            "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
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        {
            "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "error": "FIPS and DualStack are enabled, but
this partition does not support one or both"
            },
            "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": true,
                "UseDualStack": true
            }
        },
        {
            "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
                }
            },
            "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": true,
                "UseDualStack": false
            }

    },
        {
            "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
                "error": "DualStack is enabled but this partition does not support DualStack"
            },
            "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": false,
                "UseDualStack": true
            }
        },
        {
            "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
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"endpoint": {
"url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
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"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{

"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
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"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"

```
            }
        },
        {
            "documentation": "For custom endpoint with fips disabled and dualstack enabled",
            "expect": {
                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": true,
                "Endpoint": "https://example.com"
            }
        },
        {
            "documentation": "Missing region",
            "expect": {
                "error": "Invalid Configuration: Missing Region"
            }
        }
    ],
    "version": "1.0"
  }
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
  "type": "operation",
  "input": {
    "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
  },
  "output": {
    "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
  },
  "errors": [
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
```

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            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the identity providers for user-based subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/ListIdentityProviders"
            },
            "smithy.api#paginated":
{
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "IdentityProviderSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
        "type": "structure",
        "members": {
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse":
{
        "type": "structure",
        "members": {
            "IdentityProviderSummaries": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
                "traits": {
```

```
            "smithy.api#documentation": "<p>Metadata that describes the list identity providers operation.</p>",
            "smithy.api#required": {}
          }
        },
        "NextToken": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
      ],
      "traits": {
        "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
        "smithy.api#http": {
          "code": 200,
          "method": "POST",
```

"uri": "/instance/ListInstances"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
"type": "structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list instances operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "

```
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
             }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity
provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/ListProductSubscriptions"
            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "ProductUserSummaries"
```

```
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
        "type": "structure",
        "members": {
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name
 of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
                "traits": {

  "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those that match
 one or\n      more sets of key-value pairs that you specify.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
        "type": "structure",
        "members": {
            "ProductUserSummaries": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
```

"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions operation. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists user associations for an identity provider. ",

"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListUserAssociations"
},
"smithy.api#paginated":
{
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based
subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity
provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those
that match one or\n more sets of key-value pairs that you specify. "
}
},
"NextToken": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " Token for
the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
"type": "structure",
"members": {
"InstanceUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list user association operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
"type": "structure",
"members": {

"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}

```
    },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of a product for a user.</p>",
                    "smithy.api#required": {}
                }
            },
            "StatusMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for a product for a user.</p>"
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            },
            "SubscriptionStartDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The
start date of a subscription.</p>"
                }
            },
            "SubscriptionEndDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The end date of a subscription.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The summary of the user-based subscription products for a user.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
        "type": "operation",
        "input": {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Registers an identity provider for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/RegisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}

```
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "Settings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
                "traits": {
                    "smithy.api#documentation": "<p>The registered identity providers product related configuration
settings such as the\n      subnets to provision VPC endpoints.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
        "type": "structure",
        "members": {
            "IdentityProviderSummary":
 {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The resource couldn't be found.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 404
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
        "type": "string",
```

"traits": {
"smithy.api#length": {
"min": 5,
"max": 200
},
"smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request failed because a service quota is exceeded. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Settings": {
"type": "structure",
"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation":
" The subnets defined for the registered identity provider. ",
"smithy.api#length": {
"min": 1
},
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688
communication between resources in\n your VPC and the VPC endpoint for activation servers. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings
such as the\n subnets to provision VPC endpoints, and the security group ID that
is associated with the VPC\n endpoints. The security group should permit inbound TCP port 1688
communication from resources\n in the VPC. "

```
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Starts a product subscription for a user with the specified identity
provider.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related costs
will take 48\n        hours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing status)
in Amazon Web Services Billing.
 For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n        monthly
charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/StartProductSubscription"
            }
        }
    },
```

"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"

},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Stops a product subscription for a user with the specified identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StopProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}

```
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required":
{}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
        "type": "structure",
        "members": {
            "ProductUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
                "traits": {
                    "smithy.api#documentation":
"<p>Metadata that describes the start product subscription operation.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StringList": {
        "type": "list",
        "member": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Subnet": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "subnet-[a-z0-9]{8,17}"
        }
```

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#Subnets": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
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             "target": "smithy.api#String"
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        "traits": {
            "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the
request.</p>",
            "smithy.api#error": "client"
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        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
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                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
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                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
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identity\n      provider.</p>",
            "smithy.api#http": {
                "code": 200,
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            "method": "POST",
            "uri": "/identity-provider/UpdateIdentityProviderSettings"
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              "smithy.api#required": {}
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          "Product": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
              "smithy.api#required": {}
            }
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          "UpdateSettings": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
            "traits": {
              "smithy.api#documentation": "<p>Updates the registered identity providers product related
configuration settings. You can\n      update any combination of settings in a single operation such as the:</p>\n
<ul>\n          <li>\n              <p>Subnets which you want to add to provision VPC endpoints.</p>\n          </li>\n
          <li>\n              <p>Subnets which you want to remove the VPC endpoints from.</p>\n          </li>\n
<li>\n              <p>Security group ID which permits traffic to the VPC endpoints.</p>\n          </li>\n        </ul>",
              "smithy.api#required": {}
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      "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
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            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
            "traits": {
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        "type": "structure",
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"traits": {
"smithy.api#documentation": " The ID of one or more subnets in which License Manager will create a VPC endpoint for products that\n require connectivity to activation servers. ",
"smithy.api#required": {}
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"RemoveSubnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets to remove. ",
"smithy.api#required": {}
}
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"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688 communication between resources in\n your VPC and the VPC endpoints for activation servers. "
}
}
},
"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related configuration settings such as\n the subnets to provision VPC endpoints. "
}
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"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
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"target": "smithy.api#String"
}
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"traits": {
"smithy.api#documentation": " A parameter is not valid. ",
"smithy.api#error": "client"
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"metadata": {

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        "namespace": "*"
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        "namespace": "*"
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        "id": "HttpUriConflict",
        "namespace": "*"
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        "id": "Service",
        "namespace": "*"
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          "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
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          "target": "com.amazonaws.licensemanager#CheckoutLicense"
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          "target": "com.amazonaws.licensemanager#CreateGrant"
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      "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
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      "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
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      "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
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      "target": "com.amazonaws.licensemanager#DeleteToken"
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      "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

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      "target": "com.amazonaws.licensemanager#GetGrant"
    },
    {
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   "target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
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   "target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
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"target": "com.amazonaws.licensemanager#ListTokens"
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"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
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"target": "com.amazonaws.licensemanager#TagResource"
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"target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
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"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
},
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"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
},
{
"target": "com.amazonaws.licensemanager#UpdateServiceSettings"
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"traits": {
"aws.api#service": {
"sdkId": "License Manager",
"arnNamespace": "license-manager",
"cloudFormationName": "LicenseManager",
"cloudTrailEventSource": "licensemanager.amazonaws.com",

"endpointPrefix": "license-manager"
},
"aws.auth#sigv4": {
"name": "license-manager"
},
"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
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"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
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                    }
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                        "argv": [
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                        ]
                    }
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                "type": "error"
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"conditions": [
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                        "argv": [
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                                "ref": "UseDualStack"
                            },
                            true
                        ]
                    }
                ],
                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                "type": "error"
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                "conditions": [],
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                        "ref": "Endpoint"
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                "type": "endpoint"
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                "argv": [
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                        "argv": [
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                        "assign": "PartitionResult"
                    }
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                                "argv": [
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                                        "ref":
"UseFIPS"
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                                    true
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                            {
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                    "argv": [
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                        "argv": [
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                            "ref": "PartitionResult"
                          },
                          "supportsFIPS"
                        ]

                }
                    ]
                  },
                  {
                    "fn": "booleanEquals",
                    "argv": [
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                      {
                        "fn": "getAttr",
                        "argv": [
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                            "ref": "PartitionResult"
                          },

"supportsDualStack"
                        ]
                      }
                    ]
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                "rules": [
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fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                            "properties": {},
                            "headers": {}

                }},
                        "type": "endpoint"
                    }
                ]
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            {
                "conditions": [],
                "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
                "type": "error"
            }
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        "conditions": [
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                "fn": "booleanEquals",

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                    true
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    {
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                                "ref": "PartitionResult"
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                    "supportsFIPS"
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            }
        ]
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        "type": "endpoint"
    }
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partition does not support FIPS",
"type": "error"
}
]
},
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"fn": "booleanEquals",
"argv": [
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"ref": "UseDualStack"
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]
}
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"argv": [
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                                                "ref": "PartitionResult"
                                            },

    "supportsDualStack"
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                                    }
                                ]
                            }
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manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
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                                    "headers": {}

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                                "type": "endpoint"
                            }
                        ]
                    },
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                        "conditions": [],
                        "error": "DualStack is enabled but this partition does not support DualStack",
                        "type": "error"
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                    "headers": {}
                },
                "type": "endpoint"
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    }
]
```

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              "type": "error"
            }
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        "smithy.rules#endpointTests": {
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              "expect": {
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                  "url": "https://license-manager.af-south-1.amazonaws.com"
                }
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              "params": {
                "Region": "af-south-1",
                "UseFIPS": false,
                "UseDualStack": false
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              "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.ap-east-1.amazonaws.com"
                }
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              "params": {
                "Region": "ap-east-1",
                "UseFIPS": false,
                "UseDualStack": false
               }
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              "expect": {
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                }
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              "params": {
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                "UseFIPS": false,
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            "params": {
                "Region": "ap-northeast-2",
                "UseFIPS": false,
                "UseDualStack": false
            }
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            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-northeast-3.amazonaws.com"
                }
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            "params": {
                "Region": "ap-northeast-3",
                "UseFIPS": false,
                "UseDualStack": false
            }

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        {
            "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-south-1.amazonaws.com"
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            "params": {
                "Region": "ap-south-1",
                "UseFIPS": false,
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            "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
            "expect": {
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}
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"params": {
"Region": "ap-southeast-1",
"UseFIPS": false,
"UseDualStack": false
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{
"documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
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"params": {
"Region": "ap-southeast-2",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-3.amazonaws.com"
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"params": {
"Region": "ap-southeast-3",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ca-central-1.amazonaws.com"
}
},

"params": {
"Region": "ca-central-1",
"UseFIPS": false,
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}

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              "params": {
                "Region": "eu-central-1",
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                "UseDualStack": false
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disabled and DualStack disabled",
              "expect": {
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                }
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              "params": {
                "Region": "eu-north-1",
                "UseFIPS": false,
                "UseDualStack": false
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              "documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
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"eu-south-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
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                }
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        "documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
        "expect": {

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          "UseDualStack": false
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        "params": {
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"UseDualStack": false
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        "params": {
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          "UseFIPS": false,
          "UseDualStack": false
        }
      },
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              "expect": {
                "endpoint": {
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              "params": {
                "Region": "sa-east-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
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              "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-east-1.amazonaws.com"
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              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": false
              }

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              "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
              "expect": {
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                }
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": false
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            },
            {
              "documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-east-2.amazonaws.com"
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"UseDualStack": false
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"expect": {
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},
"params": {
"Region": "us-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-west-1.amazonaws.com"
}
},
"params": {

"Region": "us-west-1",
"UseFIPS": true,
"UseDualStack": false
}
},

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            {
              "documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-west-2.amazonaws.com"
                }
              },
              "params": {
                "Region": "us-west-2",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",

"expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.us-west-2.amazonaws.com"
                }
              },
              "params": {
                "Region": "us-west-2",
                "UseFIPS": true,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.us-east-1.api.aws"
                }
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": true,

                "UseDualStack": true
              }
            },
            {
              "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-east-1.api.aws"
                }
              },
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-northwest-1",
"UseFIPS": false,
"UseDualStack": false

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{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{

"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
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"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},

{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",

"UseFIPS": true,
"UseDualStack": false
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},
{
"documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation":
"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-west-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.api.aws"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {

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            "endpoint": {
                "url": "https://license-manager.us-gov-east-1.api.aws"
            }
        },
        "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": false,
            "UseDualStack": true
        }
    },
    {
        "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
            }
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
            "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": true,
             "UseDualStack": true
        }
    },
    {
        "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
            }
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
    },
```

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            {
              "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
              "expect": {
                "error": "DualStack is enabled
but this partition does not support DualStack"
              },
              "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": false,
                "UseDualStack": true
              }
            },
            {
              "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
                }
              },
              "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },

           {
              "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
              },
              "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": true,
                "UseDualStack": true
              }
            },
            {
              "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
                }
              },

        "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": true,
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"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,

"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"

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                },
                "params": {
                    "Region": "us-east-1",
                    "UseFIPS": true,
                    "UseDualStack": false,
                    "Endpoint": "https://example.com"
                }
            },
            {
                "documentation": "For custom endpoint with fips disabled and dualstack enabled",
                "expect": {
                    "error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
                },
                "params": {
                    "Region": "us-east-1",
                    "UseFIPS": false,
                    "UseDualStack": true,
                    "Endpoint": "https://example.com"
                }
            },
            {
                "documentation": "Missing region",
                "expect": {
                    "error": "Invalid Configuration: Missing Region"
                }
            }
        ],
        "version": "1.0"
    }
  }
},
"com.amazonaws.licensemanager#AcceptGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
    "output": {
        "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
```

```
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"

    }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant
ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
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"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#AccessDeniedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
"httpResponseCode": 401
},
"smithy.api#documentation": " Access to resource denied. ",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
"type": "enum",
"members": {
"DISTRIBUTED_GRANTS_ONLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
}
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
}
}

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        }
    },
    "com.amazonaws.licensemanager#AllowedOperation": {

    "type": "enum",
        "members": {
            "CREATE_GRANT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CreateGrant"
                }
            },
            "CHECKOUT_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckoutLicense"
                }
            },
            "CHECKOUT_BORROW_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckoutBorrowLicense"
                }
            },
            "CHECK_IN_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckInLicense"
                }
            },
            "EXTEND_CONSUMPTION_LICENSE":
{
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ExtendConsumptionLicense"
                }
            },
            "LIST_PURCHASED_LICENSES": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ListPurchasedLicenses"
                }
            },
            "CREATE_TOKEN": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CreateToken"
                }
```

```
            }
        }
    },
    "com.amazonaws.licensemanager#AllowedOperationList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#AllowedOperation"
        },
        "traits": {
            "smithy.api#length": {
                "min": 1,
                "max":
7
            }
        }
    },
    "com.amazonaws.licensemanager#Arn": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 2048
            },
            "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-
z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
        }
    },
    "com.amazonaws.licensemanager#ArnList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Arn"
        }
    },
    "com.amazonaws.licensemanager#AuthorizationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError":
{
                "code": "AuthorizationFailure",
                "httpResponseCode": 403
            },
            "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to
perform the action. Check the IAM\n        policy associated with this account.</p>",
```

```
            "smithy.api#error": "client",
            "smithy.api#httpError": 403
        }
    },
    "com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
        "type": "structure",
        "members": {
            "LastRunTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes automated discovery.</p>"
        }
    },

  "com.amazonaws.licensemanager#Boolean": {
        "type": "boolean",
        "traits": {
            "smithy.api#default": false
        }
    },
    "com.amazonaws.licensemanager#BorrowConfiguration": {
        "type": "structure",
        "members": {
            "AllowEarlyCheckIn": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxTimeToLiveInMinutes": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
                    "smithy.api#required": {}
                }
            }

},
        "traits": {
            "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
        }
    },
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"com.amazonaws.licensemanager#BoxBoolean": {
"type": "boolean"
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"com.amazonaws.licensemanager#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanager#BoxLong": {
"type": "long"
},
"com.amazonaws.licensemanager#CheckInLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks in the specified license. Check in a license when it is no longer in use. "
}

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    },
    "com.amazonaws.licensemanager#CheckInLicenseRequest":
{
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
        "type": "structure",
        "members":
{
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must
use the borrow consumption configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
                    "smithy.api#required": {}
```

```
                }
            },
            "DigitalSignatureMethod": {
                "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
                "traits": {
                    "smithy.api#documentation": "<p>Digital signature method. The possible
 value is JSON Web Signature (JWS) algorithm PS384.\n        For more information, see <a
href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS</a>.</p>",
                    "smithy.api#required": {}
                }
            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

"smithy.api#documentation": " License consumption token. "
}
},
"EntitlementsAllowed":
{
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " Allowed license entitlements. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout
is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout expires. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicense": {
"type": "operation",

"input": {
"target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target":
"com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license. \n <note>\n If the account that created the license is the same that is performing the check out, you must\n specify the account as the beneficiary. \n </note>"
}
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
"type": "structure",
"members": {

"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product
SKU. ",
"smithy.api#required": {}
}
},
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. ",
"smithy.api#required": {}
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Key fingerprint identifying the license. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "

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            }
        }
    },
    "traits": {

   "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
    "type": "structure",
    "members": {
        "CheckoutType": {
            "target": "com.amazonaws.licensemanager#CheckoutType",
            "traits": {
                "smithy.api#documentation": "<p>Checkout type.</p>"
            }
        },
        "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License consumption token.</p>"
            }
        },
        "EntitlementsAllowed": {
            "target": "com.amazonaws.licensemanager#EntitlementDataList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
            }
        },
         "SignedToken": {
            "target": "com.amazonaws.licensemanager#SignedToken",
            "traits": {
                "smithy.api#documentation": "<p>Signed token.</p>"
            }
        },
        "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
            }
        },
        "IssuedAt": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
            }
        },
        "Expiration": {
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"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and
time at which the license checkout expires. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the checkout license. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutType": {
"type": "enum",
"members": {
"PROVISIONAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PROVISIONAL"
}
},
"PERPETUAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PERPETUAL"
}
}
}
},
"com.amazonaws.licensemanager#ClientRequestToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 36
}
}
},
"com.amazonaws.licensemanager#ClientToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,

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                "max": 2048
            },
            "smithy.api#pattern": "^\\S+$"
        }
    },
    "com.amazonaws.licensemanager#ConflictException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "ConflictException",
                "httpResponseCode":
 409
            },
            "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 409
        }
    },
    "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
        "type": "structure",
        "members": {
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
                }
            },
            "ConsumedLicenses": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
                }
            }
        },

  "traits": {
            "smithy.api#documentation": "<p>Details about license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
        "type": "list",
        "member": {
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"target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
}
},
"com.amazonaws.licensemanager#ConsumptionConfiguration": {
"type": "structure",
"members": {
"RenewType": {
"target": "com.amazonaws.licensemanager#RenewType",
"traits": {
"smithy.api#documentation": " Renewal frequency. "
}
},
"ProvisionalConfiguration": {
"target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
"traits": {
"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"BorrowConfiguration": {
"target": "com.amazonaws.licensemanager#BorrowConfiguration",
"traits": {
"smithy.api#documentation": " Details about a borrow configuration. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about a consumption configuration. "
}
},
"com.amazonaws.licensemanager#CreateGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},

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            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of
license\n        entitlements with a specific Amazon Web Services account, an organization, or an\n
organizational unit (OU). For more
 information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>",
                    "smithy.api#required": {}

    }
            },
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Principals": {
```

"target": "com.amazonaws.licensemanager#PrincipalArnList",
"traits": {
"smithy.api#documentation": " The grant principals. You can specify one of the following as an Amazon Resource Name\n (ARN): \n \n \n An Amazon Web Services account, which includes only the account specified. \n \n \n \n \n An organizational unit (OU), which includes all accounts in the OU. \n \n \n \n \n An organization, which will include all accounts across your organization. \n \n ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations for the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateGrantVersion":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a new version of the specified grant. For more information, see\n Granted licenses in License Manager in the License Manager User Guide. "
}
},

"com.amazonaws.licensemanager#CreateGrantVersionRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",

"smithy.api#required": {}
}
},
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. "
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations for the grant. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the grant. "
}

```
            },
            "Options": {
                "target": "com.amazonaws.licensemanager#Options",
                "traits": {
                    "smithy.api#documentation": "<p>The options specified for the grant.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>New version of the grant.</p>"
                }
            }
        },
        "traits":
{
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
        },
        "errors": [
```

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
```

"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Creates a license configuration. \n A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a \n license must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension used to track the license inventory. ",
"smithy.api#required": {}
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether hard or soft license enforcement is used.

Exceeding a hard limit\n blocks the launch of new instances. "
}
},
"LicenseRules": {
"target":
"com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. The syntax is #name=value (for example,
#allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows. \n
\n \n \n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n
<code>licenseAffinityToHost</code> |\n <code>maximumCores</code> |
<code>minimumCores</code>\n \n \n \n \n
<code>Instances</code> dimension: <code>allowedTenancy</code> | \n <code>maximumCores</code> |
<code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n
<code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n
\n
\n <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n
<code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> |
<code>minimumSockets</code>\n \n \n \n \n
<code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n
<code>honorVcpuOptimization</code> | \n <code>maximumVcpus</code> |
<code>minimumVcpus</code>\n \n \n \n The unit for
<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for
<code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n
<code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n
<code>True</code> and <code>False</code>. "
}
},

"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the license configuration. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is
uninstalled. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
}

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        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
{
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
             },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
```

"traits": {
"smithy.api#documentation": " Creates a new license conversion task. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {

"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource you are converting the license type for. ",
"smithy.api#required": {}
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
},
"DestinationLicenseContext":
{
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting to. For the structure of the destination license, see Convert a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

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    "traits": {
            "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
    "type": "operation",
    "input": {
      "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
    },
    "output": {
      "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
    },
    "errors": [
      {
        "target": "com.amazonaws.licensemanager#AccessDeniedException"
      },
      {
        "target": "com.amazonaws.licensemanager#AuthorizationException"
      },
      {
        "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
       },
      {
        "target": "com.amazonaws.licensemanager#RateLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
      },
      {
        "target": "com.amazonaws.licensemanager#ServerInternalException"
      },
      {
        "target": "com.amazonaws.licensemanager#ValidationException"
      }
    ],
    "traits": {
      "smithy.api#documentation": "<p>Creates a report generator.</p>"
    }
  },
  "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
```

"type": "structure",
"members": {
"ReportGeneratorName":
{
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports to generate. The following report types an be generated: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}

}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique,
case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",

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                "traits": {
                    "smithy.api#documentation": "<p>Description of the report generator.</p>"
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Tags to add to the report generator.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn":
 {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the new report
generator.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product
 name.</p>",
                    "smithy.api#required": {}
                }
```

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            },
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product SKU.</p>",
                    "smithy.api#required": {}
                }
            },
            "Issuer": {
                "target": "com.amazonaws.licensemanager#Issuer",
                "traits": {
                    "smithy.api#documentation": "<p>License issuer.</p>",
                    "smithy.api#required": {}
                }
            },
            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region for the license.</p>",
                    "smithy.api#required": {}

    }
            },
            "Validity": {
                "target": "com.amazonaws.licensemanager#DatetimeRange",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>",
                    "smithy.api#required": {}
                }
             },
            "ConsumptionConfiguration": {
                "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
                "traits": {
```

"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation":
" Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {

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            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersion": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
             },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target":
"com.amazonaws.licensemanager#Arn",
                "traits": {
```

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits":
{
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the license. ",
"smithy.api#required": {}
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-
UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},

"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the license. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",

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            "traits": {
                "smithy.api#documentation": "<p>License ARN.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>New version of the license.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output":
{}
    }
},
"com.amazonaws.licensemanager#CreateToken": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateTokenRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateTokenResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
```

{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a long-lived token. \n A refresh token is a JWT token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license. "
}
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits":
{
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token. ",
"smithy.api#required": {}
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n License Manager does not check whether the roles are in use. "
}
},
"ExpirationInDays": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Token expiration, in days, counted from token creation. The default is 365 days. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token. "
}

```
        },
        "ClientToken": {
            "target": "com.amazonaws.licensemanager#ClientToken",
            "traits": {
                "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateTokenResponse": {
    "type": "structure",
    "members": {
        "TokenId": {
            "target": "com.amazonaws.licensemanager#String",

         "traits": {
                "smithy.api#documentation": "<p>Token ID.</p>"
            }
        },
        "TokenType": {
            "target": "com.amazonaws.licensemanager#TokenType",
            "traits": {
                "smithy.api#documentation": "<p>Token type.</p>"
            }
        },
        "Token": {
            "target": "com.amazonaws.licensemanager#TokenString",
            "traits": {
                "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
        "Begin": {
```

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            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Start of the time range.</p>",
                "smithy.api#required": {}
            }
        },
        "End": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>End of the time range.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
},
"com.amazonaws.licensemanager#DeleteGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
```

"traits": {
"smithy.api#documentation": " Deletes
the specified grant. "
}
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " The Status reason for the delete request. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the
grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}

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            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
```

"traits": {
"smithy.api#documentation": " Deletes the specified license. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license configuration. \n You cannot delete a license configuration that is in use. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
"type": "structure",
"members":
{
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the license configuration. ",
"smithy.api#required": {}
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified report generator. \n This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator. "

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        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to be
deleted.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {

 "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the license.</p>",
                    "smithy.api#required":
 {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
```

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},
"com.amazonaws.licensemanager#DeleteLicenseResponse": {
    "type": "structure",
    "members": {
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        },
        "DeletionDate": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DeleteToken": {
    "type": "operation",
     "input": {
        "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
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{
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": " Deletes the specified token. Must be called in the license home Region. "
    }
},
"com.amazonaws.licensemanager#DeleteTokenRequest": {
    "type": "structure",
    "members": {
        "TokenId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": " Token ID. ",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#DeleteTokenResponse": {
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#output": {}

  }
},
"com.amazonaws.licensemanager#DigitalSignatureMethod": {
    "type": "enum",
    "members": {
        "JWT_PS384": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "JWT_PS384"
            }
        }
    }
},
"com.amazonaws.licensemanager#Entitlement": {
    "type": "structure",
    "members": {
        "Name": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement resource. Use only
if the unit is None. "
}
},
"MaxCount": {
"target": "com.amazonaws.licensemanager#Long",
"traits": {
"smithy.api#documentation": " Maximum entitlement count. Use if the unit is not None. "
}
},
"Overage": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether overages are allowed. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementUnit",
"traits": {
"smithy.api#documentation": " Entitlement unit. ",
"smithy.api#required": {}
}
},
"AllowCheckIn": {
"target":
"com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether check-ins are allowed. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a resource entitled for use with a license. "
}
},
"com.amazonaws.licensemanager#EntitlementData": {
"type": "structure",
"members": {
"Name": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement data name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement
data value. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementDataUnit",
"traits": {
"smithy.api#documentation": " Entitlement data unit. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Data associated with an entitlement resource. "
}
},
"com.amazonaws.licensemanager#EntitlementDataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#EntitlementData"
}
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS":

{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"

}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}

```
        },
        "MEGABYTES_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Megabytes/Second"
          }
        },
        "GIGABYTES_PER_SECOND": {
          "target": "smithy.api#Unit",
           "traits": {
            "smithy.api#enumValue": "Gigabytes/Second"
          }
        },
        "TERABYTES_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Terabytes/Second"
          }
        },
        "BITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Bits/Second"
          }
        },
        "KILOBITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Kilobits/Second"
          }
        },
        "MEGABITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue":
"Megabits/Second"
          }
        },
        "GIGABITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Gigabits/Second"
          }
        },
        "TERABITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Terabits/Second"
```

```
            }
        },
        "COUNT_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count/Second"
            }
        }
    }
},
"com.amazonaws.licensemanager#EntitlementList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Entitlement"
    }
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#EntitlementUnit": {
    "type": "enum",
    "members": {
        "COUNT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count"
            }
        },
        "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "None"
            }
        },
        "SECONDS":
{
            "target": "smithy.api#Unit",
```

```
    "traits": {
        "smithy.api#enumValue": "Seconds"
    }
},
"MICROSECONDS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Microseconds"
    }
},
"MILLISECONDS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Milliseconds"
    }
},
"BYTES": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Bytes"
    }
},
"KILOBYTES": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Kilobytes"
     }
},
"MEGABYTES": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Megabytes"
    }
},
"GIGABYTES": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Gigabytes"
    }
},
"TERABYTES": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Terabytes"
    }
},
"BITS": {
    "target": "smithy.api#Unit",
```

"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"
}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target":
"smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},

"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},

"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"

```
            }
        },
        "COUNT_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count/Second"
            }
        }
    }
},
"com.amazonaws.licensemanager#EntitlementUsage": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage name.</p>",
                "smithy.api#required": {}
            }
        },
        "ConsumedValue": {
            "target": "com.amazonaws.licensemanager#String",

       "traits": {
                "smithy.api#documentation": "<p>Resource usage consumed.</p>",
                "smithy.api#required": {}
            }
        },
        "MaxCount": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
            }
        },
        "Unit": {
            "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
    }
},
"com.amazonaws.licensemanager#EntitlementUsageList":
```

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{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementUsage"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumption": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
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"smithy.api#required": {}

}
},
"DryRun": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,
"smithy.api#documentation": " Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},

"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license consumption expires. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#FailedDependencyException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
},
"ErrorCode": {
"target": "com.amazonaws.licensemanager#String"
}
},

"traits": {
"aws.protocols#awsQueryError": {
"code": "FailedDependency",
"httpResponseCode": 424
},
"smithy.api#documentation":
" A dependency required to run the API is missing. ",
"smithy.api#error": "client",
"smithy.api#httpError": 424
}
},
"com.amazonaws.licensemanager#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#FilterName",
"traits": {
"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only
specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter
name and value pair that is used to return more specific results from a\n describe operation. Filters can be used
to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FilterLimitExceeded",
"httpResponseCode": 400
},
"smithy.api#documentation": " The request uses too many filters or too many filter values. ",
"smithy.api#error": "client",

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        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#FilterList": {
    "type": "list",
     "member": {
        "target": "com.amazonaws.licensemanager#Filter"
    }
},
"com.amazonaws.licensemanager#FilterName": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#FilterValue",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#Filters": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Filter",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#GetAccessToken": {
    "type": "operation",
    "input": {
         "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
```

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            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
 tokens\n          are valid for one hour.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetAccessTokenRequest": {
        "type": "structure",
        "members": {
            "Token": {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "TokenProperties": {
                "target": "com.amazonaws.licensemanager#MaxSize3StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetAccessTokenResponse":
 {
        "type": "structure",
        "members": {
            "AccessToken": {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Temporary access token.</p>"
                }
            }
```

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    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"

   },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
```

```
            "smithy.api#required": {}
          }
        },
        "Version": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Grant version.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#GetGrantResponse": {
      "type": "structure",
      "members": {
        "Grant": {
          "target": "com.amazonaws.licensemanager#Grant",
          "traits": {
            "smithy.api#documentation": "<p>Grant details.</p>"
          }
        }
      },
      "traits": {

    "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#GetLicense": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
```

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"

},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license configuration. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
}
},
"traits":
{
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Unique ID for the license configuration. "
}
},
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension for which the licenses are counted. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",

"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",

"traits": {
"smithy.api#documentation": " Number of available licenses. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Sets the number of available licenses as a hard limit. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses assigned to resources. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License configuration status. "
}

},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner of the license configuration. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},

"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When
true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},

{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified license type conversion task. "
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information

about the license type converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted to. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " Status of the license type conversion task. "
}
},

"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was started . "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Amount of time to complete the license type conversion. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was completed. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":

```
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

         },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
                    "smithy.api#required":
```

{}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"ReportGenerator": {
"target": "com.amazonaws.licensemanager#ReportGenerator",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license configurations. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseResponse": {
"type": "structure",
"members": {

```
            "License": {
                "target": "com.amazonaws.licensemanager#License",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },

"com.amazonaws.licensemanager#GetLicenseUsage": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {

"target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseUsageRequest": {
        "type": "structure",
        "members": {
```

```
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
        "type": "structure",
        "members": {
            "LicenseUsage": {
                "target":
"com.amazonaws.licensemanager#LicenseUsage",
                "traits": {
                    "smithy.api#documentation": "<p>License usage details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
```

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        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsRequest": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "S3BucketArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Regional S3 bucket path for storing reports, license trail event data,
discovery data,\n        and so on.</p>"

  }
            },
            "SnsTopicArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>SNS topic configured to receive notifications from License
Manager.</p>"
                }
            },
            "OrganizationConfiguration": {
                "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether Organizations is integrated with License
Manager for\n        cross-account discovery.</p>"
                }
            },
            "EnableCrossAccountsDiscovery": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether cross-account discovery is enabled.</p>"
                }

        },
            "LicenseManagerResourceShareArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource share. The License
```

Manager management account \n provides member accounts with access to this share. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Grant": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}
}
},
"ParentArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",
"smithy.api#required": {}
}
},
"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},

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            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantStatus": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>",
                    "smithy.api#required": {}
                }
            },
            "StatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status reason.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Granted operations.</p>",
                    "smithy.api#required": {}
                }
            },
            "Options": {
                "target": "com.amazonaws.licensemanager#Options",
                "traits": {
                    "smithy.api#documentation": "<p>The options specified for the grant.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation":
"<p>Describes a grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#GrantList": {
        "type": "list",
```

```
    "member": {
        "target": "com.amazonaws.licensemanager#Grant"
    }
},
"com.amazonaws.licensemanager#GrantStatus": {
    "type": "enum",
    "members": {
        "PENDING_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_WORKFLOW"
            }
        },
        "PENDING_ACCEPT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_ACCEPT"
            }
        },
        "REJECTED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "REJECTED"

        }
        },
        "ACTIVE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ACTIVE"
            }
        },
        "FAILED_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED_WORKFLOW"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        },
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
```

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            }
          },
          "DISABLED": {
            "target": "smithy.api#Unit",
            "traits":
{
              "smithy.api#enumValue": "DISABLED"
            }
          },
          "WORKFLOW_COMPLETED": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "WORKFLOW_COMPLETED"
            }
          }
        }
      },
      "com.amazonaws.licensemanager#GrantedLicense": {
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
          },
          "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>License name.</p>"
            }

  },
          "ProductName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Product name.</p>"
            }
          },
          "ProductSKU": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Product SKU.</p>"
            }
          },
          "Issuer": {
            "target": "com.amazonaws.licensemanager#IssuerDetails",
            "traits": {
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"smithy.api#documentation": " Granted license issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the granted license. "

}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " Granted license status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the granted license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Granted license beneficiary. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Granted license metadata. "
}
},
"CreateTime": {

"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Creation time of the granted license. "

}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Version of the granted license. "
}
},
"ReceivedMetadata": {
"target": "com.amazonaws.licensemanager#ReceivedMetadata",
"traits": {
"smithy.api#documentation": " Granted license received metadata. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a license that is granted to a grantee. "
}
},
"com.amazonaws.licensemanager#GrantedLicenseList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#GrantedLicense"
}
},
"com.amazonaws.licensemanager#ISO8601DateTime":
{
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$"
}
},
"com.amazonaws.licensemanager#Integer": {
"type": "integer"
},
"com.amazonaws.licensemanager#InvalidParameterValueException": {
"type": "structure",
"members": {
"Message": {

"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidParameterValueProvided",
"httpResponseCode": 400
},
"smithy.api#documentation":
" One or more parameter values are not valid. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#InvalidResourceStateException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidResourceState",
"httpResponseCode": 400
},
"smithy.api#documentation": " License Manager cannot allocate a license to a resource because of its state. \n For example, you cannot allocate a license to an instance in the process of shutting\n down. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},

"com.amazonaws.licensemanager#InventoryFilter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the filter. ",
"smithy.api#required": {}
}
},
"Condition": {
"target": "com.amazonaws.licensemanager#InventoryFilterCondition",
"traits": {
"smithy.api#documentation": " Condition of the filter. ",

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                "smithy.api#required": {}
            }
        },
        "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Value of the filter.</p>"
            }
        }

    },
        "traits": {
            "smithy.api#documentation": "<p>An inventory filter.</p>"
        }
    },
    "com.amazonaws.licensemanager#InventoryFilterCondition": {
        "type": "enum",
        "members": {
            "EQUALS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "EQUALS"
                }
            },
            "NOT_EQUALS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "NOT_EQUALS"
                }
            },
            "BEGINS_WITH": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "BEGINS_WITH"
                }
            },
            "CONTAINS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CONTAINS"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#InventoryFilterList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#InventoryFilter"
```

```
        }
    },
    "com.amazonaws.licensemanager#Issuer": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer name.</p>",
                    "smithy.api#required": {}
                }
            },
            "SignKey": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key usage
 of sign and verify, \n        and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about the issuer of a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#IssuerDetails": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer name.</p>"
                }
            },
            "SignKey": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n        and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
                }
            },
            "KeyFingerprint": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer key fingerprint.</p>"
                }
            }
```

```
    },
    "traits": {
        "smithy.api#documentation": "<p>Details associated with the issuer of a license.</p>"
    }
},
"com.amazonaws.licensemanager#License": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
        },
        "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {

       "smithy.api#documentation": "<p>License name.</p>"
            }
        },
        "ProductName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Product name.</p>"
            }
        },
        "ProductSKU": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Product SKU.</p>"
            }
        },
        "Issuer": {
            "target": "com.amazonaws.licensemanager#IssuerDetails",
            "traits": {
                "smithy.api#documentation": "<p>License issuer.</p>"
            }
        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {

        "smithy.api#documentation": "<p>Home Region of the license.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
```

"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " License metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " License creation time. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}

```
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
    "type": "structure",
    "members": {
        "LicenseConfigurationId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
            }
        },
        "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
        },
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Name of the license configuration.</p>"
            }
        },
        "Description": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Description of the license configuration.</p>"
            }
        },
        "LicenseCountingType": {
            "target": "com.amazonaws.licensemanager#LicenseCountingType",
            "traits": {
                "smithy.api#documentation": "<p>Dimension to use to track the license inventory.</p>"
             }
        },
        "LicenseRules": {
            "target": "com.amazonaws.licensemanager#StringList",
            "traits": {
                "smithy.api#documentation": "<p>License rules.</p>"
            }
        },
        "LicenseCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
```

"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Number of available licenses as a hard limit. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the license configuration. "
}
},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the license configuration's owner. "

}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for licenses consumed by various resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for managed resources. "
}
},
"ProductInformationList": {

"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {

"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
}
},
"traits": {
"smithy.api#documentation": " A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
"type": "structure",
"members": {
"ResourceArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of server resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Time when the license configuration was associated with the resource. "
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an association with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
}
},
"com.amazonaws.licensemanager#LicenseConfigurationStatus": {
"type": "enum",
"members":
{
"AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISABLED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsage": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},

"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits":
{
"smithy.api#documentation": " Type of resource. "
}
},
"ResourceStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the usage of a resource associated with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
}
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
"type": "list",
"member": {

"target": "com.amazonaws.licensemanager#LicenseConfiguration"
}
},
"com.amazonaws.licensemanager#LicenseConversionContext": {

"type": "structure",
"members": {
"UsageOperation": {
"target": "com.amazonaws.licensemanager#UsageOperation",
"traits": {
"smithy.api#documentation": " The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\n \n "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {

"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " The ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource associated with the license type\n conversion task. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted from. "
}
},
"DestinationLicenseContext": {
"target":

"com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted to. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " The status of the conversion task. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was started at. "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the usage operation value of the resource was changed. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was completed. "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
"type": "string",
"traits": {

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        "smithy.api#length": {
            "min": 0,
            "max": 50
        },
        "smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
    }
  },
  "com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
    "type": "enum",
    "members": {
      "IN_PROGRESS": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "IN_PROGRESS"
        }
      },
      "SUCCEEDED": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "SUCCEEDED"
        }
      },
      "FAILED": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "FAILED"
        }
      }
    }
  },
  "com.amazonaws.licensemanager#LicenseConversionTasks":
{
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#LicenseConversionTask"
    }
  },
  "com.amazonaws.licensemanager#LicenseCountingType": {
    "type": "enum",
    "members": {
      "VCPU": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "vCPU"
        }
      },
      "INSTANCE": {
        "target": "smithy.api#Unit",
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            "traits": {
                "smithy.api#enumValue": "Instance"
            }
        },
        "CORE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Core"
            }
        },
        "SOCKET": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "Socket"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
    "type": "enum",
    "members": {
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#License"
    }
},
"com.amazonaws.licensemanager#LicenseOperationFailure": {

    "type": "structure",
    "members": {
        "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Resource type. "
}
},
"ErrorMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Error message. "
}
},
"FailureTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Failure time. "
}
},
"OperationName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the operation. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource. "
}
},
"OperationRequestedBy": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The requester is \"License Manager Automated Discovery\". "
}
},
"MetadataList": {

"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Reserved. "
}
}

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        },
        "traits": {
            "smithy.api#documentation": "<p>Describes the failure of a license operation.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseOperationFailureList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseOperationFailure"
        }
    },
    "com.amazonaws.licensemanager#LicenseSpecification": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

                "smithy.api#required": {}
                }
            },
            "AmiAssociationScope": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details for associating a license configuration with a resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseSpecifications": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseSpecification"
        }
    },
    "com.amazonaws.licensemanager#LicenseStatus": {
        "type": "enum",
        "members": {
            "AVAILABLE": {
                "target": "smithy.api#Unit",
```

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        "traits": {
            "smithy.api#enumValue": "AVAILABLE"
          }
        },
        "PENDING_AVAILABLE": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "PENDING_AVAILABLE"
          }
        },
        "DEACTIVATED": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "DEACTIVATED"
          }
        },
        "SUSPENDED": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "SUSPENDED"
          }
        },
        "EXPIRED": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "EXPIRED"
          }
        },

      "PENDING_DELETE": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "PENDING_DELETE"
          }
        },
        "DELETED": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "DELETED"
          }
        }
      }
    },
    "com.amazonaws.licensemanager#LicenseUsage": {
      "type": "structure",
      "members": {
        "EntitlementUsages": {
          "target": "com.amazonaws.licensemanager#EntitlementUsageList",
```

"traits": {
"smithy.api#documentation": " License entitlement usages. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the entitlement usage associated with a license. "

}
},
"com.amazonaws.licensemanager#LicenseUsageException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "LicenseUsageFailure",
"httpResponseCode": 412
},
"smithy.api#documentation": " You do not have enough licenses available to support a new resource launch. ",
"smithy.api#error": "client",
"smithy.api#httpError": 412
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{

"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the resource associations for the
specified license configuration. \n Resource associations need not consume licenses from a license
configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules). "
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results
to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationAssociations": {

"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license configuration. "
}
},
"NextToken": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
        "type": "structure",
        "members": {
            "GrantArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {

            "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n            <p>\n                <code>LicenseArn</code>\n            </p>\n
        </li>\n            <li>\n            <p>\n                <code>GrantStatus</code>\n            </p>\n            </li>\n
    <li>\n            <p>\n                <code>GranteePrincipalARN</code>\n            </p>\n            </li>\n
<li>\n            <p>\n                <code>ProductSKU</code>\n            </p>\n            </li>\n            <li>\n
<p>\n                <code>LicenseIssuerName</code>\n
        </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
        "type": "structure",
        "members": {
            "Grants": {
```

"target": "com.amazonaws.licensemanager#GrantList",

"traits": {
"smithy.api#documentation": " Distributed grant details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license configuration operations that failed. "
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {

"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name of the license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse": {
"type": "structure",
"members": {
"LicenseOperationFailureList": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
"traits": {
"smithy.api#documentation": " License configuration operations that failed. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConfigurations": {

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
},

"output": {
"target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license configurations
for your account. "
}
},
"com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the license
configurations. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}

```
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next
 set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n                Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n                Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n
<p>\n                <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n                Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>.</p>\n
    </li>\n            <li>\n                <p>\n                <code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurations": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurations",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",

          "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
```

```
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
    "type": "structure",
    "members": {
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {

"smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "Filters": {
```

"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " \n Filters to scope the results. Valid filters are <code>ResourceArns</code> and <code>Status</code>.\n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
"type": "structure",
"members": {
"LicenseConversionTasks": {
"target": "com.amazonaws.licensemanager#LicenseConversionTasks",
"traits": {
"smithy.api#documentation": " Information about the license configuration tasks for your account. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},

```
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n        <ul>\n            <li>\n                <p>\n                    <code>LicenseConfigurationArn</code>\n
</p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits":
{
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
```

```
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
        "type": "structure",
        "members": {
            "ReportGenerators": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorList",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }

        }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an
associated license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {

        "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
        "type": "structure",
        "members": {
            "LicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
                }
            },
            "NextToken": {
```

```
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                "smithy.api#required": {}
            }
```

```
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#LicenseList",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            },

"NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenses": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicensesRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicensesResponse"
        },
        "errors": [
```

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicensesRequest": {
        "type": "structure",
        "members": {
            "LicenseArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
                }
            },

    "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n    <ul>\n        <li>\n            <p>\n                <code>Beneficiary</code>\n            </p>\n
    </li>\n        <li>\n            <p>\n                <code>ProductSKU</code>\n            </p>\n        </li>\n
  <li>\n            <p>\n                <code>Fingerprint</code>\n            </p>\n        </li>\n        <li>\n
<p>\n                <code>Status</code>\n            </p>\n        </li>\n    </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token
```

for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicensesResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#LicenseList",
"traits": {
"smithy.api#documentation": " License details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

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            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target":
 "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the received license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
    <ul>\n        <li>\n            <p>\n                <code>ParentArn</code>\n            </p>\n        </li>\n
<li>\n            <p>\n                <code>GranteePrincipalArn</code>\n            </p>\n        </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
```

"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",
"traits": {
"smithy.api#documentation": " Lists the grants the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
"type": "structure",
"members": {
"GrantArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranterAccountId</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},

```
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
    "type": "structure",
    "members": {
        "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
             "traits": {
                "smithy.api#documentation": "<p>Received grant details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
         },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists received licenses.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {

    "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
```

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the licenses received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>Beneficiary</code>\n \n \n \n \n <code>ProductSKU</code>\n
\n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#GrantedLicenseList",
"traits": {
"smithy.api#documentation": " Lists the licenses the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>IssuerName</code>\n \n \n \n \n <code>Beneficiary</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
"type": "structure",

```
    "members": {
      "Licenses": {
        "target": "com.amazonaws.licensemanager#GrantedLicenseList",
        "traits": {
          "smithy.api#documentation": "<p>Received license details.</p>"
        }
      },

      "NextToken": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
          "smithy.api#documentation": "<p>Token for the next set of results.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanager#ListResourceInventory": {
    "type": "operation",
    "input": {
      "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
    },
    "output": {
      "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
      {
        "target": "com.amazonaws.licensemanager#AccessDeniedException"
      },
      {
        "target": "com.amazonaws.licensemanager#AuthorizationException"
      },
      {
        "target": "com.amazonaws.licensemanager#FailedDependencyException"
      },
      {
        "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
      },
      {
        "target": "com.amazonaws.licensemanager#RateLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#ServerInternalException"
```

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListResourceInventoryRequest": {
        "type": "structure",
        "members": {
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                 "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#InventoryFilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n                    <code>account_id</code>
- The ID of the Amazon Web Services account that owns the resource.\n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n
            </li>\n            <li>\n                <p>\n                    <code>application_name</code> - The name of the
application. \n                Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n
    </li>\n            <li>\n                <p>\n                    <code>license_included</code> - The type of license included. \n
            Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n                Possible values
are <code>sql-server-enterprise</code> | \n                <code>sql-server-standard</code> | \n                <code>sql-
server-web</code> |  \n                <code>windows-server-datacenter</code>.</p>\n            </li>\n            <li>\n
    <p>\n                    <code>platform</code> - The platform of the resource.\n                Logical operators are
<code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n            </li>\n            <li>\n                <p>\n
        <code>resource_id</code> - The ID of the resource. \n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n                <p>\n
      <code>tag:<key></code> - The key/value combination of a tag assigned \n                to the resource. Logical
operators are <code>EQUALS</code> (single account) or\n                <code>EQUALS</code> |
<code>NOT_EQUALS</code> (cross account).</p>\n            </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
```

```
    "com.amazonaws.licensemanager#ListResourceInventoryResponse": {
      "type": "structure",
      "members": {
        "ResourceInventoryList": {
          "target": "com.amazonaws.licensemanager#ResourceInventoryList",
          "traits": {
            "smithy.api#documentation": "<p>Information
about the resources.</p>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#ListTagsForResource": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
         },
        {
          "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
      ],
      "traits": {
        "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
```

```
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
        "errors":
[
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists your tokens.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTokensRequest": {
        "type": "structure",
        "members": {
            "TokenIds": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {

                  "smithy.api#documentation": "<p>Token IDs.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
    <ul>\n        <li>\n        <p>\n        <code>LicenseArns</code>\n        </p>\n        </li>\n
</ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation":
 "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
```

```
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokensResponse": {
        "type": "structure",
        "members": {
            "Tokens": {
                "target": "com.amazonaws.licensemanager#TokenList",
                "traits": {
                    "smithy.api#documentation": "<p>Received token details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
```

```
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying license\n consumption details by resource at a selected point in time. Use this action to audit the\n current license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical operators\n are supported:</p>\n <ul>\n <li>\n <p>\n <code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n </li>\n <li>\n <p>\n <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n </li>\n <li>\n <p>\n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n </li>\n </ul>"
                }
            }
```

```
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
        "type": "structure",
        "members": {

"LicenseConfigurationUsageList": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#Location": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#Long": {
        "type": "long"
    },
    "com.amazonaws.licensemanager#ManagedResourceSummary": {
        "type": "structure",
        "members": {
            "ResourceType":
{
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
                }
            },
            "AssociationCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
                }
            }
```

```
    },
    "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
    }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
    }
},
"com.amazonaws.licensemanager#MaxSize100": {

"type": "integer",
    "traits": {
        "smithy.api#range": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The key name.</p>"
            }
        },

"Value": {
            "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " The value. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes key/value pairs. "
}
},
"com.amazonaws.licensemanager#MetadataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Metadata"
}
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n \n \n As a grantor, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your organization. \n \n \n As a grantee, if the grantor creating the distributed grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n are activating the grant. \n \n \n <dl>\n <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n Use this value to activate a grant without replacing any member accounts\n active grants for the same product. \n </dd>\n <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n Use this value to activate a

grant and disable other active grants in any\n member accounts
for the same product. This action will also replace their\n previously activated grants with this activated grant. \n </dd>\n </dl>"
}
}
},
"traits": {
"smithy.api#documentation": " The options you can specify when you create a new version of a grant, such as activation\n override behavior. For more information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#OrganizationConfiguration": {
"type": "structure",
"members": {
"EnableIntegration": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,
"smithy.api#documentation": " Enables Organizations integration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Configuration information for Organizations. "
}
},
"com.amazonaws.licensemanager#PrincipalArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 1
}
}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Resource type. The possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a <code>ProductInformationFilterComparator</code> which is a logical operator, a <code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. \n The following filters and are supported when the resource type \n is <code>SSM_MANAGED</code>: \n \n \n \n <code>Application Name</code> - The name of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Publisher</code> - The publisher of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n \n \n \n \n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n \n \n <code>License Included</code> - The type of license included.\n Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are: <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n The following filters and logical operators are supported when the resource type\n is <code>RDS</code>: \n \n \n \n <code>Engine Edition</code> - The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>. \n \n \n \n <code>License Pack</code> - The license pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n <code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n \n ",
"smithy.api#required": {}
}
}
},

```
    "traits": {
        "smithy.api#documentation": "<p>Describes product information for a license configuration.</p>"
    }
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
    "type": "structure",
    "members": {
        "ProductInformationFilterName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Filter name.</p>",
                "smithy.api#required": {}
            }
        },
        "ProductInformationFilterValue": {
            "target": "com.amazonaws.licensemanager#StringList",

      "traits": {
                "smithy.api#documentation": "<p>Filter value.</p>"
            }
        },
        "ProductInformationFilterComparator": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Logical operator.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes product information filters.</p>"
    }
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ProductInformationFilter"
    }
},
"com.amazonaws.licensemanager#ProductInformationList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ProductInformation"
     }
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
    "type": "structure",
    "members": {
```

"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the provisional configuration, in minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "RateLimitExceeded",
"httpResponseCode": 429
},
"smithy.api#documentation": " Too many requests have been submitted. Try again after a brief wait. ",
"smithy.api#error": "client",
"smithy.api#httpError": 429
}
},
"com.amazonaws.licensemanager#ReceivedMetadata": {
"type": "structure",
"members": {
"ReceivedStatus": {
"target": "com.amazonaws.licensemanager#ReceivedStatus",
"traits": {
"smithy.api#documentation": " Received status. "
}
},
"ReceivedStatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Received status reason. "
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",

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            "traits": {
                "smithy.api#documentation": "<p>Allowed operations.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
    }
},
"com.amazonaws.licensemanager#ReceivedStatus": {
    "type": "enum",
    "members": {
        "PENDING_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_WORKFLOW"
            }
        },
        "PENDING_ACCEPT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue":
"PENDING_ACCEPT"
            }
        },
        "REJECTED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "REJECTED"
            }
        },
        "ACTIVE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ACTIVE"
            }
        },
        "FAILED_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED_WORKFLOW"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
```

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        },
        "DISABLED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DISABLED"
            }
        },
        "WORKFLOW_COMPLETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "WORKFLOW_COMPLETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#RedirectException": {
    "type": "structure",
    "members": {
        "Location": {
            "target": "com.amazonaws.licensemanager#Location",
            "traits": {
                "smithy.api#httpHeader": "Location"
            }
        },
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 308
    }
},
"com.amazonaws.licensemanager#RejectGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#RejectGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#RejectGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
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            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#RejectGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}

  }
    },
    "com.amazonaws.licensemanager#RejectGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
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"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#RenewType":
{
"type": "enum",
"members": {
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"WEEKLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Weekly"
}
},
"MONTHLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Monthly"
}
}
}
},
"com.amazonaws.licensemanager#ReportContext": {
"type": "structure",
"members": {
"licenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "
}
},
"period": {
"target": "com.amazonaws.licensemanager#ReportFrequencyType",

"traits": {
"smithy.api#documentation": " Time period between each report. The period can be daily, weekly, or monthly. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
"type": "enum",
"members": {
"DAY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DAY"
}
},
"WEEK": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WEEK"
}
},

"MONTH": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "MONTH"
}
}
}
},
"com.amazonaws.licensemanager#ReportGenerator": {
"type": "structure",
"members": {
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the report generator. "
}
},
"ReportType": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports that are generated. "
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " License
configuration type for this generator. "
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. "
}
},
"LastRunStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the last report generation attempt. "
}

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            },
            "LastRunFailureReason":
 {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
                }
            },
            "LastReportGenerationTime": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
                }
            },
            "ReportCreatorAccount": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report
generator.</p>"
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",

        "traits": {
                    "smithy.api#documentation": "<p>Description of the report generator.</p>"
                }
            },
            "S3Location": {
                "target": "com.amazonaws.licensemanager#S3Location",
                "traits": {
                    "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
                }
            },
            "CreateTime": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Time the report was created.</p>"
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
                }
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}
    },
    "traits": {
        "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
    }
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ReportGenerator"
    }
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#ReportType": {
    "type": "enum",
    "members": {
        "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
            }

},
        "LICENSE_CONFIGURATION_USAGE_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "LicenseConfigurationUsageReport"
            }
        }
    }
},
"com.amazonaws.licensemanager#ReportTypeList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ReportType"
    }
},
"com.amazonaws.licensemanager#ResourceInventory": {
    "type": "structure",
    "members": {
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            "ResourceId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "Platform": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform of the resource.</p>"
                }
            },
            "PlatformVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
                }
            },
            "ResourceOwningAccountId":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventoryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ResourceInventory"
        }
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},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "ResourceLimitExceeded",

            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
    "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_INSTANCE"
            }
        },
        "EC2_HOST": {
            "target": "smithy.api#Unit",
            "traits": {
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"smithy.api#enumValue": "EC2_HOST"
}
},
"EC2_AMI": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_AMI"
}
},
"RDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "RDS"
}
},
"SYSTEMS_MANAGER_MANAGED_INSTANCE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
}
}
}
},
"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"com.amazonaws.licensemanager#ServerInternalException": {
"type": "structure",
"members": {
"Message": {

"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InternalError",
"httpResponseCode": 500
},
"smithy.api#documentation": " The server experienced an internal error. Try again. ",
"smithy.api#error": "server",
"smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanager#SignedToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 4096
}
}
},
"com.amazonaws.licensemanager#StatusReasonMessage": {
"type": "string",
"traits":
{
"smithy.api#length": {
"min": 0,
"max": 400
},
"smithy.api#pattern": "^[\\s\\S]+$"
}
},
"com.amazonaws.licensemanager#String": {
"type": "string"
},
"com.amazonaws.licensemanager#StringList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#String"
}
},
"com.amazonaws.licensemanager#Tag": {
"type": "structure",
"members": {
"Key": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Tag key. "

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            }
          },
          "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation":
"<p>Tag value.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
        }
      },
      "com.amazonaws.licensemanager#TagKeyList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#String"
        }
      },
      "com.amazonaws.licensemanager#TagList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#Tag"
        }
      },
      "com.amazonaws.licensemanager#TagResource": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#TagResourceRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#TagResourceResponse"
        },
        "errors": [
          {
            "target":
"com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
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            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>One or more tags.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>"
                }
            },
```

"TokenType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Type of token generated. The supported value is <code>REFRESH_TOKEN</code>. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"ExpirationTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Token expiration time, in ISO8601-UTC format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",

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        "member": {
            "target": "com.amazonaws.licensemanager#TokenData"
        }
    },
    "com.amazonaws.licensemanager#TokenString": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 4096
            },
            "smithy.api#pattern": "^\\S+$"
        }
    },
    "com.amazonaws.licensemanager#TokenType": {
        "type": "enum",
        "members": {
            "REFRESH_TOKEN": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REFRESH_TOKEN"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
{
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The digital signature method is unsupported. Try your request
again.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UntagResourceResponse"
        },
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        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Removes the specified tags from the specified license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#UntagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "TagKeys": {
                "target": "com.amazonaws.licensemanager#TagKeyList",
                "traits": {
                    "smithy.api#documentation": "<p>Keys identifying the tags to remove.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UntagResourceResponse": {
        "type": "structure",
        "members": {},
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"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Modifies the attributes of an existing license configuration. "
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},

"LicenseConfigurationStatus": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
"traits": {
"smithy.api#documentation": " New status of the license configuration. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " New license rule. The only rule that you can add after you create a license\n configuration is licenseAffinityToHost. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",

"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits":
{
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},

```
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to update.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types are supported:</p>\n        <ul>\n            <li>\n                <p>License configuration report - Reports the number and details of consumed licenses for a license configuration.</p>\n            </li>\n            <li>\n                <p>Resource report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n            </li>\n        </ul>",
                    "smithy.api#required": {}
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
                    "smithy.api#documentation": "<p>The report context.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportFrequency": {
                "target": "com.amazonaws.licensemanager#ReportFrequency",
```

"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},

```
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },

            {
                "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
            },
            {
                "target": "com.amazonaws.licensemanager#LicenseUsageException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified
Amazon Web Services resource.</p>\n        <p>You can update the license specifications of AMIs, instances, and
hosts.\n        You cannot update the license specifications for launch templates and CloudFormation templates, \n
  as they send license configurations to the operation that creates the resource.</p>"
        }
    },

    "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services
resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "AddLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
                }
            },
            "RemoveLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation":
 "<p>ARNs of the license configurations to remove.</p>"
                }
```

```
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
         },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
    }
},
"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
    "type": "structure",
    "members": {
        "S3BucketArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
Manager information is stored. "
}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Enables integration with Organizations for cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Activates cross-account discovery. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UsageOperation": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
}
}
},
"com.amazonaws.licensemanager#ValidationException": {

"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The provided input is not valid. Try your request again. ",

"smithy.api#error": "client",
"smithy.api#httpError": 400
}
}
}
}

1.6844 aws-sdk-go-v2-internal-endpoints 2.6.15

1.6844.1 Available under license :

```
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
       uses: actions/checkout@v2
       with:
         path: new-ref
         fetch-depth: 0
     - name: Get Diff
       run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
```

```
    - name: Get Target Files
      run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
    - name: Checkout scancode
      uses: actions/checkout@v2
      with:
        repository: nexB/scancode-toolkit
        path: scancode-toolkit
        fetch-depth: 1
    - name: Set up Python ${{ matrix.python-version }}
       uses: actions/setup-python@v2
      with:
        python-version: ${{ matrix.python-version }}
    # ScanCode
    - name: Self-configure scancode
      working-directory: ./scancode-toolkit
      run: ./scancode --help
    - name: Run Scan code on target
      run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
    - name: Run Scan code on pr ref
      run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
CreateLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
```

Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
ListReceivedLicenses
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming

```
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string
```

```
 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string
```

```
 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
```

```
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
```

```
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string
```

```
// Unique, case-sensitive identifier that you provide to ensure the idempotency of
// the request.
//
//
This member is required.
ClientToken *string

// Configuration for consumption of the license. Choose a provisional
// configuration for workloads running with continuous connectivity. Choose a
// borrow configuration for workloads with offline usage.
//
// This member is required.
ConsumptionConfiguration *types.ConsumptionConfiguration

// License entitlements.
//
// This member is required.
Entitlements []types.Entitlement

// Home Region for the license.
//
// This member is required.
HomeRegion *string

// License issuer.
//
// This member is required.
Issuer *types.Issuer

// License name.
//
// This member is required.
LicenseName *string

// Product name.
//
// This member is required.
ProductName *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// Date and time range during which the license is valid, in ISO8601-UTC format.
//
// This member is required.
Validity *types.DatetimeRange
```

```
 // Information about
 the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if
 err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
```

```
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return
err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
```

```
 return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName:
 "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
```

```
 return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
```

```
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil
{
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
```

```
 return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
CheckoutLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
```

OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
DisassociateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS

ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckoutBorrowLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer

```
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
AssociateLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
```

```
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
   - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
```

```
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
```

```
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err
 = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
```

```
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
```

```
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
```

```
 return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
```

```
 return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
```

```
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
```

```
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err
 != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
```

```
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpGetLicenseValidationMiddleware(stack);
 err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
```

}
ListLicenses
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AWS SDK for Go
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{
"smithy": "2.0",
"shapes": {
"com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
"type": "long"
},

"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions \n\t\t\tregistered to your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/DeregisterSubscriptionProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the subscription provider resource to deregister. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The type of name to filter by.</p>"
                }
            },
            "Values": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
                }
            },
            "Operator": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
                "traits": {
                    "smithy.api#documentation": "<p>An operator for filtering results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe
operation.\n      Filters can be used to match a set of resources by specific criteria.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
        "type":
 "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
        },
```

"output": {
"target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Get details for a Bring Your Own License (BYOL) subscription that's registered to your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetRegisteredSubscriptionProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation":
" The Amazon Resource Name (ARN) of the BYOL registration resource to get details for. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
"type": "structure",
"members": {

"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) for the BYOL registration resource specified in the request. "
}
},
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

"traits": {
"smithy.api#documentation": " The subscription provider for the BYOL registration resource specified \n\t\t\tin the request. "
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " The status of the Linux subscription provider access token from the last \n\t\t\tsuccessful subscription data request. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The detailed message from your subscription provider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time License Manager retrieved subscription details \n\t\t\tfrom your registered third-party Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},

"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
"type": "operation",
"input": {
"target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions service settings for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetServiceSettings"

},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
"type": "structure",
"members": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " Lists

the settings defined for Linux subscriptions discovery. The settings include if\n Organizations integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}
},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
"type": "structure",
"members": {
"AmiId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The AMI ID used to launch the instance. "
}
},
"InstanceID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The instance ID of the resource. "
}
},
"InstanceType": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The instance type of the resource. "
}

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            },
            "AccountID": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The account ID which owns the instance.</p>"
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of the instance.</p>"
                }
            },
            "Region": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Region the instance is running in.</p>"
                }
            },
            "UsageOperation": {
                "target": "smithy.api#String",

    "traits": {
                    "smithy.api#documentation": "<p>The usage operation of the instance. For more information, see For more information, see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-subscriptions-usage-operation.html\">Usage\n        operation values</a> in the <i>License Manager User Guide</i>.</p>"
                }
            },
            "ProductCode": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
                "traits": {
                    "smithy.api#documentation": "<p>The product code for the instance. For more information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-subscriptions-usage-operation.html\">Usage\n        operation values</a> in the <i>License Manager User Guide</i> .</p>"
                }
            },
            "LastUpdatedTime": {
                "target": "smithy.api#String",
                 "traits": {
                    "smithy.api#documentation": "<p>The time in which the last discovery updated the instance details.</p>"
                }
            },
            "SubscriptionName": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the license subscription that the instance uses.</p>"
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}
},
"OsVersion": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The operating system software version that runs on your instance. "
}
},
"SubscriptionProviderCreateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp when you registered the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses. "
}
},
"SubscriptionProviderUpdateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that the instance synced with the registered \n\t\t\tthird-party Linux subscription provider. "
}
},
"DualSubscription": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Indicates that you have two different license subscriptions for \n\t\t\tthe same software on your instance. "
}
},
"RegisteredWithSubscriptionProvider": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " Indicates that your instance uses a BYOL license subscription from \n\t\t\ta third-party Linux subscription provider that you've registered with License Manager. "
}
}
},
"traits": {
"smithy.api#documentation": " Details discovered information about a running instance using Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"

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    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation":
"<p>An exception occurred with the service.</p>",
            "smithy.api#error": "server"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
        "type": "service",
        "version": "2018-05-10",
        "operations": [
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                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
             },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
            }
        ],
        "traits": {
            "aws.api#service": {
                "sdkId": "License Manager Linux Subscriptions",
                 "arnNamespace": "license-manager-linux-subscriptions",
                "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
            },
            "aws.auth#sigv4": {
                "name": "license-manager-linux-subscriptions"
            },
            "aws.protocols#restJson1": {},
            "smithy.api#cors": {
                "additionalAllowedHeaders": [
                    "*",
                    "content-type",
                    "x-amz-content-sha256",
                    "x-amz-user-agent",
                    "x-amzn-platform-id",
                    "x-amzn-trace-id"
                ],
                "additionalExposedHeaders": [
                    "x-amzn-errortype",
                    "x-amzn-requestid",
                    "x-amzn-trace-id"
                ]
            },
            "smithy.api#documentation": "<p>With License Manager,
you can discover and track your commercial Linux subscriptions on running\n      Amazon EC2 instances.</p>",
            "smithy.api#title": "AWS License Manager Linux Subscriptions",
            "smithy.rules#endpointRuleSet": {
                "version": "1.0",
                "parameters": {
                    "Region": {
                        "builtIn": "AWS::Region",
                        "required": false,
                        "documentation": "The AWS region used to dispatch the request.",
                        "type": "String"
                    },
                    "UseDualStack": {
                        "builtIn": "AWS::UseDualStack",
                        "required": true,
                        "default": false,
                        "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
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"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
},
"rules": [
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"fn": "isSet",
"argv": [
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"ref": "Endpoint"
}
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}
],
"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
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"ref": "UseFIPS"
},
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],
"error": "Invalid Configuration: FIPS and custom endpoint are not supported",
"type": "error"
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"conditions": [],

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                                "argv": [
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                        "type": "error"
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                        "conditions": [],
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                                "ref": "Endpoint"
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                            "headers": {}
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                        "type": "endpoint"
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                          "ref": "UseFIPS"
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                          {
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                            "argv": [
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                                "ref": "UseDualStack"
                              },
                              true
                            ]
                          }

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                                "argv": [
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},
"supportsFIPS"
]
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]
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"fn": "booleanEquals",
"argv": [
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"fn": "getAttr",
"argv": [

{
"ref": "PartitionResult"
},
"supportsDualStack"
]
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]
}
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"rules": [
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"conditions": [],

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"conditions": [],
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"url": "https://license-manager-linux-subscriptions-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
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"type": "endpoint"
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"type": "tree"
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"type": "tree"

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                                                "ref": "PartitionResult"
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                                "conditions": [],
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but this partition does not support FIPS",
                                    "type": "error"
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                                        },
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                                    "conditions": [
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},
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"type": "error"
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subscriptions.{Region}.{PartitionResult#dnsSuffix}",
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"headers": {}
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"type": "endpoint"
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"error": "Invalid Configuration: Missing Region",
"type": "error"
}
],
"type": "tree"
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"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"

}
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"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
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"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
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}
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"params": {
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"UseDualStack": false
}
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{

"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
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"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
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"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
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"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
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{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
}
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"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
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{

"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
}
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
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}

},
"params": {
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"params": {
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"UseDualStack": true
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
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"url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
}
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {

"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
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{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
"Region": "us-iso-east-1",
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"UseDualStack": true
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},
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS":
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"UseDualStack": false

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    }
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    "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
    "expect": {
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    "params": {
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      "UseDualStack": true
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    "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
    "expect": {
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        "url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
      }
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    "params": {
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      "UseDualStack": false
    }
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    "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
    "expect": {
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    "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
    "expect": {
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        "url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
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"UseDualStack": false
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"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}

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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
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"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
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"url": "https://example.com"
}
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"params": {
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"UseDualStack": false,
"Endpoint": "https://example.com"
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"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
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"params": {
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"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
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"params": {

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"UseDualStack": true,
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"expect": {
"error": "Invalid Configuration: Missing Region"
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"version": "1.0"
}
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled LinuxSubscriptionsDiscovery"

},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled LinuxSubscriptionsDiscovery"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
"type": "structure",
"members": {
"SourceRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Regions in which to discover data for Linux subscriptions. ",
"smithy.api#required": {}

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            }
          },
          "OrganizationIntegration": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
            "traits": {
              "smithy.api#documentation":
 "<p>Details if you have enabled resource discovery across your accounts in Organizations.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
          },

  {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists the running Amazon EC2 instances that were discovered with
commercial Linux\n      subscriptions.</p>",
          "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/subscription/ListLinuxSubscriptionInstances"
          },
          "smithy.api#idempotent": {},
          "smithy.api#paginated": {
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
```

"items": "Instances"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":
{
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results by your specified criteria. \n \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the \n \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n \t<code>Value</code>, such as <code>us-west</code>. \n For each filter, you can specify one of the following values for the <code>Name</code> key \n \tto streamline results: \n \n \n \n <code>AccountID</code>\n \n \n \n \n <code>AmiID</code>\n \n \n \n \n <code>DualSubscription</code>\n \n \n \n \n <code>InstanceID</code>\n \n \n \n \n <code>InstanceType</code>\n \n \n \n \n <code>ProductCode</code>\n \n \n \n \n <code>Region</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>UsageOperation</code>\n \n \n \n For each filter, you can use one of the following <code>Operator</code> values to \n \t\tdefine the behavior of the filter: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}

```
            }
        },
        "traits": {
            "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
        "type": "structure",
        "members": {
            "Instances": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
                "traits": {
                    "smithy.api#documentation": "<p>An array that contains instance objects.</p>"
                }
            },
            "NextToken": {

      "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
             {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the Linux subscriptions that have been discovered. If you have
```

linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptions"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",

"items": "Subscriptions"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't match a certain subscription's name. \n The valid names for this filter are: \n \n \n \n <code>Subscription</code>\n \n \n \n The
valid Operators for this filter are: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis
the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,

"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
"type": "structure",
"members": {
"Subscriptions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
"traits": {
"smithy.api#documentation": " An array that contains subscription objects. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List Bring Your Own License (BYOL) subscription registration resources for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListRegisteredSubscriptionProviders"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "RegisteredSubscriptionProviders"
}
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
"type": "structure",
"members": {
"SubscriptionProviderSources": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
"traits": {
"smithy.api#documentation": " To filter your results, specify which subscription providers to return \n\t\t\tin the list. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. ",
"smithy.api#range": {
"min": 1,
"max": 100
}
}

},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis the nextToken from a previously truncated response. "
}

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            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
        "type": "structure",
        "members": {
            "RegisteredSubscriptionProviders": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
                "traits": {
                    "smithy.api#documentation": "<p>The list of BYOL registration resources that fit the criteria
\n\t\t\tyou specified in the request.</p>"
                }
            },

            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse"
        },
        "errors": [
            {

     "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
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            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>List the metadata tags that are assigned to the \n\t\t\tspecified Amazon
Web Services resource.</p>",
            "smithy.api#http": {
                "method": "GET",
                "uri": "/tags/{resourceArn}"
            },
            "smithy.api#readonly": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                 "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource for which to
list metadata tags.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags for the requested resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
         }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
```

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                "name": "EQUAL",
                "value": "Equal",
                "documentation": "Equal operator"
            },
            {
                "name": "NOT_EQUAL",
                "value": "NotEqual",
                "documentation": "Not equal operator"
            },
            {
                "name": "CONTAINS",
                "value": "Contains",
                "documentation": "Contains operator"
            }
        ],
        "smithy.api#length": {
            "min": 1,
            "max": 20
        }
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
    "type": "string",
    "traits": {
        "smithy.api#enum": [
            {
                "name": "Enabled",
                "value": "Enabled",
                "documentation": "Enabled OrganizationIntegration"
            },
            {
                "name": "Disabled",
                "value": "Disabled",
                "documentation": "Disabled OrganizationIntegration"
            }
        ]
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
    "type": "operation",
    "input": {
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Register the supported third-party subscription provider for your Bring Your Own License (BYOL) subscription. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/RegisterSubscriptionProvider"

},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " The supported Linux subscription provider to register. ",
"smithy.api#required": {}
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the secret where you've stored your subscription provider's access token. For \n\t\t\tRHEL subscriptions managed through the Red Hat Subscription Manager (RHSM), the secret contains \n\t\t\tyour Red Hat Offline token. ",
"smithy.api#required": {}
}
},
"Tags": {

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to your registered Linux subscription provider \n\t\t\tresource. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " The Linux subscription provider that you registered. "
}
},
"SubscriptionProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " Indicates the status of the registration action for the Linux subscription provider \n\t\t\tthat you requested. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription

provider resource that you registered. "
}
},
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " A supported third-party Linux subscription provider. License Manager currently supports \n\t\t\tRed Hat subscriptions. "
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Secrets Manager secret that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is the offline token. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " Indicates the status of your registered Linux subscription provider access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions, \n\t\t\tthis is the status of the offline token. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " A detailed message that's associated with your BYOL subscription \n\t\t\tprovider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that License Manager accessed third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#documentation": " A third-party provider for operating system (OS) platform software and license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider, License Manager can get subscription data from the registered provider. "
}
},

"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " Unable to find the requested Amazon Web Services resource. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-\\.]{0,63}:secret:[^/]{1,1023}$"

}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "InProgress",
"value": "InProgress",
"documentation": "InProgress status"
},
{
"name": "Completed",
"value": "Completed",
"documentation": "Completed status"
},
{
"name": "Successful",
"value": "Successful",
"documentation": "Successful status"
},
{
"name": "Failed",

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                "value": "Failed",
                "documentation": "Failed status"
            }
        ]
    }
},

"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String",
        "traits": {
            "smithy.api#length": {
                "min": 1,
                "max": 100
            }
        }
    },
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 100
        },
        "smithy.api#uniqueItems": {}
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
    "type": "map",
    "key": {
        "target": "smithy.api#String"
    },
    "value": {
        "target": "smithy.api#String"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
    "type": "structure",
    "members": {
        "Name":
{
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The name of the subscription.</p>"
            }
        },
        "Type": {
            "target": "smithy.api#String",
            "traits": {
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"smithy.api#documentation": " The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS. "
}
},
"InstanceCount": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
"traits": {
"smithy.api#documentation": " The total amount of running instances using this subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " An object which details a discovered Linux subscription. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
"type": "string",
"traits": {
"smithy.api#enum": [

{
"name": "RedHat",
"value": "RedHat",
"documentation": "RedHat subscription provider namespace"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"

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      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
      "type": "string",
      "traits": {
        "smithy.api#enum": [
          {
            "name": "ACTIVE",
            "value": "ACTIVE",
            "documentation": "ACTIVE status"
          },
          {
            "name": "INVALID",
            "value": "INVALID",

"documentation": "INVALID status"
          },
          {
            "name": "PENDING",
            "value": "PENDING",
            "documentation": "PENDING status"
          }
        ]
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
      "type": "list",
      "member": {
        "target": "smithy.api#String"
      },
      "traits": {
        "smithy.api#length": {
          "min": 0,
          "max": 50
        },
        "smithy.api#sensitive": {}
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
       },
      "errors": [
        {
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Add metadata tags to the specified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "PUT",
"uri": "/tags/{resourceArn}"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
"type": "structure",
"members":
{
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to which to add the specified \n\t\t\tmetadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to the Amazon Web Services resource. Tags are \n\t\t\tformatted as key value pairs. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
"type": "structure",

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        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
        "value": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation":
"<p>The request was denied due to request throttling.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
```

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web
Services resource.</p>",
             "smithy.api#http": {
                "method": "DELETE",
                "uri": "/tags/{resourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
        "type": "structure",
        "members": {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to remove the metadata tags from.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "tagKeys": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
                "traits": {

            "smithy.api#documentation": "<p>A list of metadata tag keys to remove from the requested
\n\t\t\tresource.</p>",
                    "smithy.api#httpQuery": "tagKeys",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
        "type": "operation",
```

"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"

},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates the service settings for Linux subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/UpdateServiceSettings"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Describes if the discovery of Linux subscriptions is enabled. ",
"smithy.api#required": {}
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. ",
"smithy.api#required": {}
}
},
"AllowUpdate": {

"target":
"smithy.api#Boolean",
"traits": {
"smithy.api#documentation": " Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}

},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}

```
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
            "smithy.api#error": "client"
        }
    }
  }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}
```

```
type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err !=
```

```
nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil
{
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
DeleteLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
```

GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
GetLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody

```
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
```

```
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
```

```
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
```

```
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return
err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
```

```
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
```

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```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
```

```
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
```

```
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if
err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
```

```
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil
 {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
 }
}
```

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```
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  limitations under the License.
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
```

```
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
```

```
}
if err := addProtocolFinalizerMiddlewares(stack,
options, "ListLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
```

```
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:
     ServiceID,
  OperationName: "ListLicenses",
 }
}
CheckInLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
```

AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "shapes": {
    "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
      "type": "structure",
      "members": {
        "message": {
          "target": "smithy.api#String"
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
        "smithy.api#error": "client"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
      "type": "structure",
      "members": {
        "DirectoryId": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
          }
        }
      },
      "traits": {
```

"smithy.api#documentation":
" Details about an Active Directory identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Associates the user to an EC2 instance to utilize user-based subscriptions. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your\n monthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/AssociateUser"
},
"smithy.api#idempotent": {}

```
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the
EC2 instance, which provides user-based subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>The identity provider of the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
        "type": "structure",
        "members": {
            "InstanceUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
                 "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
```

```
        "type": "integer"
    },
    "com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The request couldn't be completed because it conflicted with the current
state of the\n      resource.</p>",
            "smithy.api#error": "server"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider":
 {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
```

"smithy.api#documentation": " Deregisters the identity provider from providing user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/DeregisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
},
"output": {

"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Disassociates the user from an EC2 instance providing user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/DisassociateUser"
},
"smithy.api#idempotent": {}
}

},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
}
},

"com.amazonaws.licensemanagerusersubscriptions#Filter": {
"type": "structure",
"members": {
"Attribute": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of an attribute to use as a filter. "
}
},
"Operation": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The type of search (For example, eq, geq, leq) "
}
},
"Value": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Value of the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used
to return more specific results from a describe\n operation. Filters can be used to match a set of resources by
specific criteria, such as tags,\n attributes, or IDs. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
"type": "union",
"members": {
"ActiveDirectoryIdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
"traits": {
"smithy.api#documentation": " An object that details an Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation":
" Details about an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Settings": {

"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " An object that details the registered identity providers product related configuration\n settings such as the subnets to provision VPC endpoints. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of an identity provider. ",
"smithy.api#required": {}
}
},
"FailureMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The failure message associated with an identity provider. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",

"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status
of an EC2 instance resource. ",
"smithy.api#required": {}
}
},
"Products": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
"traits": {
"smithy.api#documentation": " A list of provided user-based subscription products. ",
"smithy.api#required": {}
}
},
"LastStatusCheckDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date of the last status check. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for an EC2 instance. "
}

}
},
"traits": {
"smithy.api#documentation": " Describes an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a user associated with an EC2 instance. ",
"smithy.api#required": {}
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for users of an EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},
"AssociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was associated with an EC2 instance. "
}
},
"DisassociationDate": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The date a user was disassociated from an EC2 instance. "
}
}

},
"traits": {
"smithy.api#documentation": " Describes users of an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
"type": "service",

"version": "2018-05-10",
"operations": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
},

```
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"

        },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
            }
        ],
        "traits": {
            "aws.api#service": {
                "sdkId": "License Manager User Subscriptions",
                "arnNamespace": "license-manager-user-subscriptions",
                "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
            },
            "aws.auth#sigv4": {
                "name": "license-manager-user-subscriptions"
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            "aws.protocols#restJson1": {},
            "smithy.api#cors": {
                "additionalAllowedHeaders": [
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                    "content-type",
                    "x-amz-content-sha256",
                    "x-amz-user-agent",
                    "x-amzn-platform-id",
                    "x-amzn-trace-id",
                    "content-length",
                    "x-api-key",
                    "authorization",
                    "x-amz-date",
                    "x-amz-security-token",
                    "Access-Control-Allow-Headers",
                    "Access-Control-Allow-Methods",
                    "Access-Control-Allow-Origin"
                ],
                "additionalExposedHeaders": [
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"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"

]
},
"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n a per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
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"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
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"rules": [
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"fn": "isSet",
"argv": [

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                {
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                    "argv": [
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                            "ref": "UseFIPS"
                        },

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                    ]
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            "type": "error"
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                    "argv": [
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"error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
            "type": "error"
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                    "ref": "Endpoint"
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                "type": "endpoint"
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                        "argv": [
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                        "assign": "PartitionResult"
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                "type": "tree",

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                                "argv": [
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                                    },
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                                ]
                            },
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                                "fn": "booleanEquals",
                                "argv": [
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                    {
                        "ref": "UseDualStack"

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                    true
                ]
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                        "fn": "booleanEquals",
                        "argv": [
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                            {
                                "fn": "getAttr",

"argv": [
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                                        "ref": "PartitionResult"
                                    },
                                    "supportsFIPS"
                                ]
                            }
                        ]
                    },
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                        "fn": "booleanEquals",
                        "argv": [
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"fn": "getAttr",
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                                        "ref": "PartitionResult"
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                                    "supportsDualStack"
                                ]
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                        ]
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                "type": "tree",
                "rules": [
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"conditions": [],
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"properties": {},
"headers": {}
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"type": "endpoint"
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"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
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"conditions": [
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"fn": "booleanEquals",
"argv": [
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"ref": "UseFIPS"
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"type": "tree",

"rules": [
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"argv": [
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{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsFIPS"

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                ]
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                ]
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fips.{Region}.{PartitionResult#dnsSuffix}",
                    "properties": {},
                    "headers": {}

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                "type": "endpoint"
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        "error": "FIPS is enabled but this partition does not support FIPS",
        "type": "error"
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]
},
{
    "conditions": [
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            "fn": "booleanEquals",
            "argv": [
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                    "ref": "UseDualStack"
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        }
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                                    {

                                  "fn": "getAttr",
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                                          "ref": "PartitionResult"
                                        },
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                                    }
                                  ]
                                }
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subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                    "properties": {},
                                    "headers": {}
                                  },
                                  "type": "endpoint"
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                              "conditions": [],
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 not support DualStack",
                              "type": "error"
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                          "conditions": [],
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                            "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
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                            "headers": {}
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                          "type": "endpoint"
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                      ]
                    }
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                ]
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                "conditions":
[],
                "error": "Invalid Configuration: Missing Region",
                "type": "error"
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    "smithy.rules#endpointTests": {
        "testCases": [
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                "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
                    }
                },
                "params": {
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                    "UseFIPS": true,
                    "UseDualStack": true
                }
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                "documentation":
"For region us-east-1 with FIPS enabled and DualStack disabled",
                "expect": {
                    "endpoint": {
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                    }
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                "params": {
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                    "UseFIPS": true,
                    "UseDualStack": false
                }
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                "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
                "expect": {
                    "endpoint": {
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"params": {
"Region": "us-east-1",
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"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region cn-north-1 with
FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
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"params": {
"Region": "cn-north-1",
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
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"params": {
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"UseDualStack": false
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                }
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              "params": {
                "Region": "cn-north-1",
                "UseFIPS": false,
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              "expect": {
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
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                "UseFIPS": false,
                "UseDualStack": false
              }
            },
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              "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
                }
              },

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                "UseDualStack": true
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              "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
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                }
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"params": {
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"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
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},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect":

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"endpoint": {
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
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"error": "DualStack is enabled but this partition does not support DualStack"
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but
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"params": {
"Region": "us-isob-east-1",
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"UseDualStack": true
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            {
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              "expect": {
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                }
              },
              "params": {
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                "UseFIPS": true,
                "UseDualStack": false
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            {
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                "UseDualStack": true
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                }
              },
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                "UseFIPS": false,
                "UseDualStack": false
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            {
              "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://example.com"
                }
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                "Region": "us-east-1",
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"UseDualStack": false,
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"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
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"UseFIPS": false,
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"Endpoint": "https://example.com"
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"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
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"UseDualStack": false,
"Endpoint": "https://example.com"
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"UseDualStack": true,
"Endpoint": "https://example.com"
}
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{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}

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            ],
            "version": "1.0"
          }
        }
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      "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
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        "output": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
           },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists the identity providers for user-based subscriptions.</p>",
          "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/identity-provider/ListIdentityProviders"
          },
          "smithy.api#paginated":
{
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
```

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            "items": "IdentityProviderSummaries"
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
        "type": "structure",
        "members": {
          "MaxResults": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse":
{
        "type": "structure",
        "members": {
          "IdentityProviderSummaries": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
            "traits": {
              "smithy.api#documentation": "<p>Metadata that describes the list identity providers operation.</p>",
              "smithy.api#required": {}
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
         },
        "output": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
        },
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    "errors": [
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            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/instance/ListInstances"
        },
        "smithy.api#paginated": {
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
            "items": "InstanceSummaries"
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
    "type": "structure",
    "members": {
        "MaxResults": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
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        "NextToken": {
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"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
"type": "structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list instances operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{

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            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
           }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity
provider.</p>",
          "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/user/ListProductSubscriptions"
          },
          "smithy.api#paginated": {
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
            "items": "ProductUserSummaries"
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
        "type": "structure",
        "members": {
          "Product": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The name
 of the user-based subscription product.</p>",
              "smithy.api#required": {}
            }
          },
          "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
              "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
              "smithy.api#required": {}
            }
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            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
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                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
                "traits": {

  "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those that match
one or\n      more sets of key-value pairs that you specify.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
        "type": "structure",
        "members": {
            "ProductUserSummaries": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the list product subscriptions
operation.</p>"
                }
            },

     "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
        },
        "output": {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target":
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists user associations for an identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListUserAssociations"
},
"smithy.api#paginated":
{
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
"type": "structure",
"members": {
"InstanceUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list user association operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "

```
            }
        }
    }
  },
  "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
    "type": "structure",
    "members": {

    "Username": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
                "smithy.api#required": {}
            }
        },
        "Product": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                "smithy.api#required": {}
            }
        },
        "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
                "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                "smithy.api#required": {}
            }

},
        "Status": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The status of a product for a user.</p>",
                "smithy.api#required": {}
            }
        },
        "StatusMessage": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The status message for a product for a user.</p>"
            }
        },
        "Domain": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The domain name of the user.</p>"
            }
```

```
            },
            "SubscriptionStartDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The
start date of a subscription.</p>"
                }
            },
            "SubscriptionEndDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The end date of a subscription.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The summary of the user-based subscription products for a user.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
         },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/RegisterIdentityProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity
provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "Settings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
                "traits": {
                    "smithy.api#documentation": "<p>The registered identity providers product related configuration
settings such as the\n      subnets to provision VPC endpoints.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
        "type": "structure",
        "members": {
```

"IdentityProviderSummary":
{
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The resource couldn't be found. ",
"smithy.api#error": "client",
"smithy.api#httpError": 404
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
"type": "string",

"traits": {
"smithy.api#length": {
"min": 5,
"max": 200
},
"smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request failed because a service quota is exceeded. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Settings": {

"type": "structure",
"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation":
" The subnets defined for the registered identity provider. ",
"smithy.api#length": {
"min": 1
},
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688
communication between resources in\n your VPC and the VPC endpoint for activation servers. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings
such as the\n subnets to provision VPC endpoints, and the security group ID that
is associated with the VPC\n endpoints. The security group should permit inbound TCP port 1688
communication from resources\n in the VPC. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Starts a product subscription for a user with the specified identity provider. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing.
For more information, see Viewing your\n monthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StartProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",

"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"

},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"

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            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Stops a product subscription for a user with the specified identity
provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/StopProductSubscription"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required":
{}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
```

```
            }
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
          "type": "structure",
          "members": {
            "ProductUserSummary": {
              "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
              "traits": {
                "smithy.api#documentation":
 "<p>Metadata that describes the start product subscription operation.</p>",
                "smithy.api#required": {}
              }
            }
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#StringList": {
          "type": "list",
          "member": {
            "target": "smithy.api#String"
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#Subnet": {
          "type": "string",
          "traits": {
            "smithy.api#pattern": "subnet-[a-z0-9]{8,17}"
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#Subnets": {
          "type": "list",
          "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
          "type": "structure",
          "members": {
            "message": {

             "target": "smithy.api#String"
            }
          },
          "traits": {
            "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the
request.</p>",
            "smithy.api#error": "client"
          }
        },
```

"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates additional product configuration settings for the registered identity\n provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/UpdateIdentityProviderSettings"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}

```
            },
            "UpdateSettings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
                "traits": {
                    "smithy.api#documentation": "<p>Updates the registered identity providers product related
configuration settings. You can\n      update any combination of settings in a single operation such as the:</p>\n
<ul>\n            <li>\n              <p>Subnets which you want to add to provision VPC endpoints.</p>\n            </li>\n
          <li>\n              <p>Subnets which you want to remove the VPC endpoints from.</p>\n            </li>\n
<li>\n              <p>Security group ID which permits traffic to the VPC endpoints.</p>\n            </li>\n        </ul>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
        "type": "structure",
        "members": {
            "IdentityProviderSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
                "traits": {
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
        "type": "structure",
        "members": {
            "AddSubnets": {

         "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of one or more subnets in which License Manager will
create a VPC endpoint for products that\n      require connectivity to activation servers.</p>",
                    "smithy.api#required": {}
                }
            },
            "RemoveSubnets": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of one or more subnets to remove.</p>",
                    "smithy.api#required": {}
                }
            },
            "SecurityGroupId": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
                "traits": {
                    "smithy.api#documentation": "<p>A security group ID
```

that allows inbound TCP port 1688 communication between resources in\n your VPC and the VPC endpoints for activation servers. "
}
}
},
"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related configuration settings such as\n the subnets to provision VPC endpoints. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " A parameter is not valid. ",
"smithy.api#error": "client"
}
}
}
}
{
"smithy": "2.0",
"metadata": {
"suppressions": [
{
"id": "HttpMethodSemantics",
"namespace": "*"
},
{
"id": "HttpResponseCodeSemantics",
"namespace": "*"
},
{
"id": "PaginatedTrait",
"namespace": "*"
},
{
"id": "HttpHeaderTrait",
"namespace": "*"
},
{
"id": "HttpUriConflict",
"namespace": "*"
},

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        {
          "id": "Service",
          "namespace": "*"
        }
      ]
    },
    "shapes": {
      "com.amazonaws.licensemanager#AWSLicenseManager": {
        "type": "service",
        "version": "2018-08-01",
        "operations": [
          {
            "target": "com.amazonaws.licensemanager#AcceptGrant"
          },

 {
            "target": "com.amazonaws.licensemanager#CheckInLicense"
          },
          {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
          },
          {
            "target": "com.amazonaws.licensemanager#CheckoutLicense"
          },
          {
            "target": "com.amazonaws.licensemanager#CreateGrant"
          },
          {
            "target": "com.amazonaws.licensemanager#CreateGrantVersion"
          },
          {
            "target": "com.amazonaws.licensemanager#CreateLicense"
          },
          {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
          },
          {
            "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
          },
          {
            "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
           },
          {
            "target": "com.amazonaws.licensemanager#CreateLicenseVersion"
          },
          {
            "target": "com.amazonaws.licensemanager#CreateToken"
          },
```

```
    {
      "target": "com.amazonaws.licensemanager#DeleteGrant"
    },
    {
      "target": "com.amazonaws.licensemanager#DeleteLicense"
    },
    {
      "target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
    },
    {
      "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
    },
    {
      "target": "com.amazonaws.licensemanager#DeleteToken"
    },
    {
      "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

  },
    {
      "target": "com.amazonaws.licensemanager#GetAccessToken"
    },
    {
      "target": "com.amazonaws.licensemanager#GetGrant"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicense"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicenseUsage"
    },
    {
      "target": "com.amazonaws.licensemanager#GetServiceSettings"
    },
    {
      "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
    },
    {
      "target": "com.amazonaws.licensemanager#ListDistributedGrants"
```

},
{
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
},
{
"target": "com.amazonaws.licensemanager#ListLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
},
{

"target": "com.amazonaws.licensemanager#ListLicenseVersions"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedGrants"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
},
{
"target": "com.amazonaws.licensemanager#ListResourceInventory"
},
{
"target": "com.amazonaws.licensemanager#ListTagsForResource"
},
{
"target": "com.amazonaws.licensemanager#ListTokens"
},
{
"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
},
{

"target": "com.amazonaws.licensemanager#RejectGrant"
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"target": "com.amazonaws.licensemanager#TagResource"
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{
"target": "com.amazonaws.licensemanager#UntagResource"
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"target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
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"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
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"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
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"target": "com.amazonaws.licensemanager#UpdateServiceSettings"
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"traits": {
"aws.api#service": {
"sdkId": "License Manager",
"arnNamespace": "license-manager",
"cloudFormationName": "LicenseManager",
"cloudTrailEventSource": "licensemanager.amazonaws.com",
"endpointPrefix": "license-manager"
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"aws.auth#sigv4": {
"name": "license-manager"
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"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
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"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
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"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
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"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
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"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
]

}
],
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"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"
},
true

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        "type": "error"
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                "argv": [
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        "type": "error"
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        "conditions": [],
        "endpoint": {
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                "ref": "Endpoint"
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            "properties": {},
            "headers": {}
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        "type": "endpoint"
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        "argv": [
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            }
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          "argv": [
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"UseFIPS"
            },
            true
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        {
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          "argv": [
            {
              "ref": "UseDualStack"
            },
            true
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              "argv": [
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                  "argv": [
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"ref": "PartitionResult"
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"supportsFIPS"
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"argv": [
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"argv": [
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"supportsDualStack"
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"properties": {},
"headers": {}

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"type": "endpoint"
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"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
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          "argv": [
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              "fn": "getAttr",
              "argv": [
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                "supportsFIPS"
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            }
          ]
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      "rules": [

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            "properties": {},
            "headers": {}
          },
          "type": "endpoint"
        }
      ]
    },
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partition does not support FIPS",
                        "type": "error"
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                        "argv": [
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                                "ref": "UseDualStack"
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                                        "fn": "getAttr",
                                        "argv": [
                                            {
                                                "ref": "PartitionResult"
                                            },

    "supportsDualStack"
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manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
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"type": "error"
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"endpoint": {
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"properties": {},
"headers": {}
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"type": "endpoint"
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"type": "error"
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"smithy.rules#endpointTests": {
"testCases": [
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"expect": {
"endpoint":
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"url": "https://license-manager.af-south-1.amazonaws.com"
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"params": {
"Region": "af-south-1",
"UseFIPS": false,

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        "UseDualStack": false
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      "expect": {
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      },
      "params": {
        "Region": "ap-east-1",
        "UseFIPS": false,
        "UseDualStack": false
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      "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.ap-northeast-1.amazonaws.com"
        }
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      "params": {
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        "UseFIPS": false,
        "UseDualStack": false
      }
    },
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      "expect": {
        "endpoint": {
          "url": "https://license-manager.ap-northeast-2.amazonaws.com"
        }
      },
      "params": {
        "Region": "ap-northeast-2",
        "UseFIPS": false,
        "UseDualStack": false
      }
    },
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      "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.ap-northeast-3.amazonaws.com"
        }
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            },
            "params": {
                "Region": "ap-northeast-3",
                "UseFIPS": false,
                "UseDualStack": false
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            "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
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            },
            "params": {
                "Region": "ap-south-1",
                "UseFIPS": false,
                "UseDualStack": false
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            "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
            "expect": {
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            "params": {
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                "UseFIPS": false,
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            "documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
            "expect": {
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            "params": {
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                "UseFIPS": false,
                "UseDualStack": false
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{

"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager.ap-southeast-3.amazonaws.com"
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"params": {
"Region": "ap-southeast-3",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ca-central-1.amazonaws.com"
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"params": {
"Region": "ca-central-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-central-1.amazonaws.com"
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"params": {
"Region": "eu-central-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region eu-north-1 with FIPS
disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-north-1.amazonaws.com"
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            },
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            "documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
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            "params": {
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              "UseDualStack": false
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            "params": {
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              "UseDualStack": false
            }
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            "documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
            "expect": {

            "endpoint": {
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            "params": {
              "Region": "eu-west-2",
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{
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"url": "https://license-manager.eu-west-3.amazonaws.com"
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},
"params": {
"Region": "eu-west-3",
"UseFIPS": false,

"UseDualStack": false
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"documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.me-south-1.amazonaws.com"
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"params": {
"Region": "me-south-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
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"url": "https://license-manager.sa-east-1.amazonaws.com"
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"params": {
"Region": "sa-east-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager.us-east-1.amazonaws.com"
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"params": {

"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-fips.us-east-1.amazonaws.com"
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"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
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"url": "https://license-manager.us-east-2.amazonaws.com"
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"params": {
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"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
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"params": {
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"UseDualStack": false
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us-west-1 with FIPS disabled and DualStack disabled",
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"params": {
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"UseFIPS": false,
"UseDualStack": false
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"UseDualStack": false
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"Region": "us-west-2",
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"UseDualStack": false
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"params": {

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"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
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"url": "https://license-manager-fips.us-east-1.api.aws"
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"params": {
"Region": "us-east-1",
"UseFIPS": true,

"UseDualStack": true
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"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
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"url": "https://license-manager.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
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"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
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"url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
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"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",

"expect": {
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"url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
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"params": {
"Region": "cn-northwest-1",
"UseFIPS": false,
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"expect": {
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"params": {
"Region": "cn-north-1",
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
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"params": {
"Region": "cn-north-1",
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"UseDualStack": false
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"params": {
"Region": "cn-north-1",
"UseFIPS": false,

"UseDualStack": true
}
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{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
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"url": "https://license-manager.us-gov-east-1.amazonaws.com"
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"params": {
"Region": "us-gov-east-1",
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"UseDualStack": false
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
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{
"documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-west-1.amazonaws.com"
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"params": {
"Region": "us-gov-west-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation":
"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
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"url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
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"url": "https://license-manager.us-gov-east-1.api.aws"
}
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false

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        {
            "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
            },
            "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": true,
                 "UseDualStack": true
            }
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            "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
            "expect": {
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                    "url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
                }
            },
            "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": true,
                "UseDualStack": false
            }
        },
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            "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
                "error": "DualStack is enabled
but this partition does not support DualStack"
            },
            "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": false,
                "UseDualStack": true
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            "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
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                    "url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
                }
            },
            "params": {
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                "UseFIPS": false,
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"UseDualStack": false
}
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{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {
"Region": "us-isob-east-1",
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"UseDualStack": true
}
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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
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"url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
}
},

"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
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{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
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},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
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"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,

"UseDualStack": false,
"Endpoint": "https://example.com"
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"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{

```
                "documentation": "Missing region",
                "expect": {
                    "error": "Invalid Configuration: Missing Region"
                }
            }
        ],
        "version": "1.0"
    }
  }
},
"com.amazonaws.licensemanager#AcceptGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
    "output": {
        "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"

  }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#AcceptGrantRequest": {
```

"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#AcceptGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant
ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#AccessDeniedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},

"traits": {
"aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
"httpResponseCode": 401
},
"smithy.api#documentation": " Access to resource denied. ",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
"type": "enum",
"members": {
"DISTRIBUTED_GRANTS_ONLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
}
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperation": {

"type": "enum",
"members": {
"CREATE_GRANT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateGrant"
}
},
"CHECKOUT_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutLicense"
}
},
"CHECKOUT_BORROW_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutBorrowLicense"

```
            }
          },
          "CHECK_IN_LICENSE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "CheckInLicense"
            }
          },
          "EXTEND_CONSUMPTION_LICENSE":
{
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "ExtendConsumptionLicense"
            }
          },
          "LIST_PURCHASED_LICENSES": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "ListPurchasedLicenses"
            }
          },
          "CREATE_TOKEN": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "CreateToken"
            }
          }
        }
      },
      "com.amazonaws.licensemanager#AllowedOperationList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#AllowedOperation"
        },
        "traits": {
          "smithy.api#length": {
            "min": 1,
            "max":
7
          }
        }
      },
      "com.amazonaws.licensemanager#Arn": {
        "type": "string",
        "traits": {
          "smithy.api#length": {
            "min": 0,
            "max": 2048
```

```
            },
            "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
        }
    },
    "com.amazonaws.licensemanager#ArnList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Arn"
        }
    },
    "com.amazonaws.licensemanager#AuthorizationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError":
 {
                "code": "AuthorizationFailure",
                "httpResponseCode": 403
            },
            "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to perform the action. Check the IAM\n        policy associated with this account.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 403
        }
    },
    "com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
        "type": "structure",
        "members": {
            "LastRunTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes automated discovery.</p>"
        }
    },

  "com.amazonaws.licensemanager#Boolean": {
        "type": "boolean",
        "traits": {
```

```
            "smithy.api#default": false
        }
    },
    "com.amazonaws.licensemanager#BorrowConfiguration": {
        "type": "structure",
        "members": {
            "AllowEarlyCheckIn": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxTimeToLiveInMinutes": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
                    "smithy.api#required": {}
                }
            }

},
        "traits": {
            "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#BoxBoolean": {
        "type": "boolean"
    },
    "com.amazonaws.licensemanager#BoxInteger": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#BoxLong": {
        "type": "long"
    },
    "com.amazonaws.licensemanager#CheckInLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"

},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks in the specified license. Check in a license when it is no longer in use. "
}
},
"com.amazonaws.licensemanager#CheckInLicenseRequest":
{
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
}
},
"traits": {
"smithy.api#input": {}
}

```
    },
    "com.amazonaws.licensemanager#CheckInLicenseResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
        "type": "structure",
        "members":
 {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must
use the borrow consumption configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
                    "smithy.api#required": {}
                }
            },
            "DigitalSignatureMethod": {
                "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
                "traits": {
                    "smithy.api#documentation": "<p>Digital signature method. The possible
 value is JSON Web Signature (JWS) algorithm PS384.\n        For more information, see <a
href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS</a>.</p>",
                    "smithy.api#required": {}
                }
            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
```

```
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },
            "EntitlementsAllowed":
{
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
                }
            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "SignedToken": {
                "target": "com.amazonaws.licensemanager#SignedToken",
                "traits": {
                    "smithy.api#documentation": "<p>Signed token.</p>"
                }
            },
```

```
            "IssuedAt": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
                }
            },
            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
```

```
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target":
 "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license.</p>\n        <note>\n            <p>If the
account that created the license is the same that is performing the check out, you must\n            specify the account
as the beneficiary.</p>\n        </note>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicenseRequest": {
        "type": "structure",
        "members": {
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product
 SKU.</p>",
                    "smithy.api#required": {}
                }
            },
            "CheckoutType": {
                "target": "com.amazonaws.licensemanager#CheckoutType",
                "traits": {
                    "smithy.api#documentation": "<p>Checkout type.</p>",
                    "smithy.api#required": {}
                }
            },
            "KeyFingerprint": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Key fingerprint identifying the license.</p>",
                    "smithy.api#required": {}
                }
            },
```

"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
"type": "structure",
"members": {
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. "
}
},
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}

```
            },
            "EntitlementsAllowed": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
                }
            },
             "SignedToken": {
                "target": "com.amazonaws.licensemanager#SignedToken",
                "traits": {
                    "smithy.api#documentation": "<p>Signed token.</p>"
                }
            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "IssuedAt": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
                }
            },
            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
                }
            },
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutType": {
        "type": "enum",
        "members": {
            "PROVISIONAL": {
                "target": "smithy.api#Unit",
```

"traits": {
"smithy.api#enumValue": "PROVISIONAL"
}
},
"PERPETUAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PERPETUAL"
}
}
}
},
"com.amazonaws.licensemanager#ClientRequestToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 36
}
}
},
"com.amazonaws.licensemanager#ClientToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 2048
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#ConflictException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "ConflictException",
"httpResponseCode":
409
},
"smithy.api#documentation": " There was a conflict processing the request. Try your request again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 409

```
        }
    },
    "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
        "type": "structure",
        "members": {
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
                }
            },
            "ConsumedLicenses": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
                }
            }
        },

"traits": {
            "smithy.api#documentation": "<p>Details about license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
        }
    },
    "com.amazonaws.licensemanager#ConsumptionConfiguration": {
        "type": "structure",
        "members": {
            "RenewType": {
                "target": "com.amazonaws.licensemanager#RenewType",
                "traits": {
                    "smithy.api#documentation": "<p>Renewal frequency.</p>"
                }
            },
            "ProvisionalConfiguration": {
                "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
                 }
            },
            "BorrowConfiguration": {
                "target": "com.amazonaws.licensemanager#BorrowConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
```

```
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target":
 "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of
license\n        entitlements with a specific Amazon Web Services account, an organization, or an\n
organizational unit (OU). For more
 information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantRequest": {
```

"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}

}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Principals": {
"target": "com.amazonaws.licensemanager#PrincipalArnList",
"traits": {
"smithy.api#documentation": " The grant principals. You can specify one of the following as an Amazon Resource Name\n (ARN): \n \n \n An Amazon Web Services account, which includes only the account specified. \n \n \n \n \n An organizational unit (OU), which includes all accounts in the OU. \n \n \n \n
\n An organization, which will include all accounts across your organization. \n \n ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {

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                "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersion":
{
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information, see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",

    "smithy.api#required": {}
                }
            },
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

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            "smithy.api#documentation": "<p>Grant name.</p>"
          }
        },
        "AllowedOperations": {
          "target": "com.amazonaws.licensemanager#AllowedOperationList",
          "traits": {
            "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
          }
        },
        "Status": {
          "target": "com.amazonaws.licensemanager#GrantStatus",
          "traits": {
            "smithy.api#documentation": "<p>Grant status.</p>"
          }
        },
        "StatusReason": {
          "target": "com.amazonaws.licensemanager#StatusReasonMessage",
          "traits": {
            "smithy.api#documentation": "<p>Grant status reason.</p>"
          }
        },
        "SourceVersion": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Current version of the grant.</p>"
          }
        },
        "Options": {
          "target": "com.amazonaws.licensemanager#Options",
          "traits": {
            "smithy.api#documentation": "<p>The options specified for the grant.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionResponse": {
      "type": "structure",
      "members": {
        "GrantArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>Grant ARN.</p>"
          }
        },
        "Status": {
```

```
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>New version of the grant.</p>"
            }
        }
    },
    "traits":
{
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
         },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
```

"traits": {
"smithy.api#documentation": " Creates a license. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Creates a license configuration. \n A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a \n license must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. ",

"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension used to track the license inventory. ",
"smithy.api#required": {}
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether hard or soft license enforcement is used. Exceeding a hard limit\n blocks the launch of new instances. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows. \n \n \n \n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> | <code>minimumCores</code>\n \n \n \n \n <code>Instances</code> dimension: <code>allowedTenancy</code> | \n <code>maximumCores</code> | <code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n \n \n <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n <code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code>\n \n \n \n \n <code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n <code>honorVcpuOptimization</code> | \n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n \n The unit for

<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for <code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n <code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n <code>True</code> and <code>False</code>. "
}
},

"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the license configuration. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
"type": "operation",

"input": {
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a new license conversion task. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {

"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource you are converting the license type for. ",
"smithy.api#required": {}
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in

the License Manager User Guide. ",
"smithy.api#required": {}
}
},
"DestinationLicenseContext":
{
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting to. For the structure of the destination license, see Convert a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

"traits": {
"smithy.api#documentation": " The ID of the created license type conversion task. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a report generator. "
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"ReportGeneratorName":
{
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports to generate. The following report types an be generated: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}

}
},

"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " The Amazon Resource Name (ARN) of the new report generator. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseRequest": {
"type": "structure",
"members": {
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits": {
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region for the license. ",
"smithy.api#required": {}

}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},

```
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseResponse": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        },
        "Version": {
             "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#ConflictException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target":
"com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Issuer": {
                "target": "com.amazonaws.licensemanager#Issuer",
```

"traits":
{
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the license. ",
"smithy.api#required": {}
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},

"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the license. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New version of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
}
},
"traits": {
"smithy.api#output":

{}
}
},
"com.amazonaws.licensemanager#CreateToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a long-lived token. \n A refresh token is a JWT token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license. "
}
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
"type": "structure",
"members": {
"LicenseArn": {

"target": "com.amazonaws.licensemanager#Arn",
"traits":
{
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token. ",
"smithy.api#required": {}
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n License Manager does not check whether the roles are in use. "
}
},
"ExpirationInDays": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Token expiration, in days, counted from token creation. The default is 365 days. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Idempotency token, valid for 10 minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateTokenResponse": {
"type": "structure",
"members": {
"TokenId": {
"target": "com.amazonaws.licensemanager#String",

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        "traits": {
            "smithy.api#documentation": "<p>Token ID.</p>"
        }
      },
      "TokenType": {
        "target": "com.amazonaws.licensemanager#TokenType",
        "traits": {
            "smithy.api#documentation": "<p>Token type.</p>"
        }
      },
      "Token": {
        "target": "com.amazonaws.licensemanager#TokenString",
        "traits": {
            "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
  },
  "com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
      "Begin": {
        "target": "com.amazonaws.licensemanager#ISO8601DateTime",
        "traits": {
            "smithy.api#documentation": "<p>Start of the time range.</p>",
            "smithy.api#required": {}
        }
      },
      "End": {
        "target": "com.amazonaws.licensemanager#ISO8601DateTime",
        "traits": {
            "smithy.api#documentation": "<p>End of the time range.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
  },
  "com.amazonaws.licensemanager#DeleteGrant": {
    "type": "operation",
    "input": {
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"target": "com.amazonaws.licensemanager#DeleteGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes
the specified grant. "
}
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " The Status reason for the delete request. "
}

```
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the
grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
```

```
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#ConflictException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#RedirectException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Deletes the specified license.</p>"
        }
      },
      "com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
        },

      "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
```

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            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n        <p>You cannot
delete a license configuration that is in use.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
        "type": "structure",
        "members":
{
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
         },
        "errors": [
            {
```

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified report generator. \n This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator to be deleted. ",
"smithy.api#required": {}
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {

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        "type": "structure",
        "members": {},
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#DeleteLicenseRequest": {
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
              "smithy.api#required": {}
            }
          },
          "SourceVersion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Current version of the license.</p>",
              "smithy.api#required":
{}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#DeleteLicenseResponse": {
        "type": "structure",
        "members": {
          "Status": {
            "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
            "traits": {
              "smithy.api#documentation": "<p>License status.</p>"
            }
          },
          "DeletionDate": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
```

```
    },
    "com.amazonaws.licensemanager#DeleteToken": {
      "type": "operation",
       "input": {
        "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
          "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
          "target": "com.amazonaws.licensemanager#ServerInternalException"
        },

    {
          "target": "com.amazonaws.licensemanager#ValidationException"
        }
      ],
      "traits": {
        "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
      }
    },
    "com.amazonaws.licensemanager#DeleteTokenRequest": {
      "type": "structure",
      "members": {
        "TokenId": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token ID.</p>",
            "smithy.api#required": {}
          }
        }
```

```
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}

      }
    },
    "com.amazonaws.licensemanager#DigitalSignatureMethod": {
        "type": "enum",
        "members": {
            "JWT_PS384": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "JWT_PS384"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#Entitlement": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement resource. Use only
if the unit is None.</p>"
                }
            },
            "MaxCount": {
                "target": "com.amazonaws.licensemanager#Long",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum entitlement count. Use if the unit is not None.</p>"
                }
            },
            "Overage": {
```

"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether overages are allowed. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementUnit",
"traits": {
"smithy.api#documentation": " Entitlement unit. ",
"smithy.api#required": {}
}
},
"AllowCheckIn": {
"target":
"com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether check-ins are allowed. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a resource entitled for use with a license. "
}
},
"com.amazonaws.licensemanager#EntitlementData": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement data name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement
data value. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementDataUnit",
"traits": {
"smithy.api#documentation": " Entitlement data unit. ",
"smithy.api#required": {}
}
}

```
        },
        "traits": {
            "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementDataList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementData"
        }
    },
    "com.amazonaws.licensemanager#EntitlementDataUnit": {
        "type": "enum",
        "members": {
            "COUNT": {
                "target": "smithy.api#Unit",
                "traits": {

"smithy.api#enumValue": "Count"
                }
            },
            "NONE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "None"
                }
            },
            "SECONDS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Seconds"
                }
            },
            "MICROSECONDS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Microseconds"
                }
            },
            "MILLISECONDS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Milliseconds"
                }
            },
            "BYTES": {
                "target": "smithy.api#Unit",
```

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            "traits": {
                "smithy.api#enumValue": "Bytes"
            }
        },
        "KILOBYTES": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobytes"
            }
        },
        "MEGABYTES": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Megabytes"
            }
        },
        "GIGABYTES": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Gigabytes"
            }
        },
        "TERABYTES": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabytes"
            }
        },
        "BITS":
{
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Bits"
            }
        },
        "KILOBITS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobits"
            }
        },
        "MEGABITS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Megabits"
            }
        },
        "GIGABITS": {
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            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Gigabits"
            }
        },
        "TERABITS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabits"

}
        },
        "PERCENT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Percent"
            }
        },
        "BYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Bytes/Second"
            }
        },
        "KILOBYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobytes/Second"
            }
        },
        "MEGABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Megabytes/Second"
            }
        },
        "GIGABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "Gigabytes/Second"
            }
        },
        "TERABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabytes/Second"
            }
        },
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"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},
"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Entitlement"
}
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
"type": "structure",

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        "members": {
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 400
        }
      },
      "com.amazonaws.licensemanager#EntitlementUnit": {
        "type": "enum",
        "members": {
          "COUNT": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Count"
            }
          },
          "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "None"
            }
          },
          "SECONDS":
{
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Seconds"
            }
          },
          "MICROSECONDS": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Microseconds"
            }
          },
          "MILLISECONDS": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Milliseconds"
            }
          },
          "BYTES": {
            "target": "smithy.api#Unit",
            "traits": {
```

"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
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"BITS": {
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"traits": {
"smithy.api#enumValue": "Bits"
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"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
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"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"
}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target":
"smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Terabytes/Second"
}
},

```
        "BITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Bits/Second"
            }
        },
        "KILOBITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobits/Second"
            }
        },
        "MEGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Megabits/Second"
            }
        },
        "GIGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Gigabits/Second"
            }
        },

    "TERABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabits/Second"
            }
        },
        "COUNT_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count/Second"
            }
        }
    }
},
"com.amazonaws.licensemanager#EntitlementUsage": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage name.</p>",
                "smithy.api#required": {}
            }
```

```
            },
            "ConsumedValue": {
                "target": "com.amazonaws.licensemanager#String",

           "traits": {
                    "smithy.api#documentation": "<p>Resource usage consumed.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxCount": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
                }
            },
            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementUsageList":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementUsage"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumption": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}

      }
            },
            "DryRun": {
                "target": "com.amazonaws.licensemanager#Boolean",
                "traits": {
                    "smithy.api#default": false,
                    "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action,
without actually making the request. Provides an error response if you do not have the required permissions.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
        "type": "structure",
        "members": {
```

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            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },

            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#FailedDependencyException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            },
            "ErrorCode": {
                "target": "com.amazonaws.licensemanager#String"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "FailedDependency",
                "httpResponseCode": 424
            },
            "smithy.api#documentation":
"<p>A dependency required to run the API is missing.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 424
        }
    },
    "com.amazonaws.licensemanager#Filter": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#FilterName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the filter. Filter names are case-sensitive.</p>"
                }
            },
```

"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used to return more specific results from a\n describe operation. Filters can be used to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FilterLimitExceeded",
"httpResponseCode": 400
},
"smithy.api#documentation": " The request uses too many filters or too many filter values. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Filter"
}
},
"com.amazonaws.licensemanager#FilterName": {
"type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
"type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#FilterValue",
"traits": {

"smithy.api#xmlName": "item"
}
}
},
"com.amazonaws.licensemanager#Filters": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Filter",
"traits": {
"smithy.api#xmlName": "item"
}
}
},
"com.amazonaws.licensemanager#GetAccessToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
tokens\n are valid for one hour. "
}
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
"type": "structure",
"members": {
"Token": {

```
            "target": "com.amazonaws.licensemanager#TokenString",
            "traits": {
                "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
                "smithy.api#required": {}
            }
        },
        "TokenProperties": {
            "target": "com.amazonaws.licensemanager#MaxSize3StringList",
            "traits": {
                "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#GetAccessTokenResponse":
{
    "type": "structure",
    "members": {
        "AccessToken": {
            "target": "com.amazonaws.licensemanager#TokenString",
            "traits": {
                "smithy.api#documentation": "<p>Temporary access token.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
```

```
    },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
    "type": "structure",
    "members": {
        "Grant": {
            "target": "com.amazonaws.licensemanager#Grant",
            "traits": {
```

"smithy.api#documentation": " Grant details. "
}
}
},
"traits": {

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"

},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license configuration. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
}
},
"traits":
{
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Unique ID for the license configuration. "

```
    }
},
"LicenseConfigurationArn": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
    }
},
"Name": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Name of the license configuration.</p>"
     }
},
"Description": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Description of the license configuration.</p>"
    }
},
"LicenseCountingType": {
    "target": "com.amazonaws.licensemanager#LicenseCountingType",
    "traits": {
        "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
    }
},
"LicenseRules": {
    "target": "com.amazonaws.licensemanager#StringList",
    "traits": {
        "smithy.api#documentation": "<p>License rules.</p>"
    }
},
"LicenseCount": {
    "target": "com.amazonaws.licensemanager#BoxLong",

   "traits": {
        "smithy.api#documentation": "<p>Number of available licenses.</p>"
    }
},
"LicenseCountHardLimit": {
    "target": "com.amazonaws.licensemanager#BoxBoolean",
    "traits": {
        "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
    }
},
"ConsumedLicenses": {
    "target": "com.amazonaws.licensemanager#BoxLong",
    "traits": {
```

"smithy.api#documentation": " Number of licenses assigned to resources. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License configuration status. "
}

},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner of the license configuration. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",

"traits": {
"smithy.api#documentation": " When
true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified license type conversion task. "
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information
on. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted to. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " Status of the license type conversion task. "
}

```
            },

  "StartTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
                }
            },
            "LicenseConversionTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
                }
            },
            "EndTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time at which the license type conversion task was
completed.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
 {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
```

```
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
                    "smithy.api#required":
{}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {
            "ReportGenerator": {
                "target": "com.amazonaws.licensemanager#ReportGenerator",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
```

```
    },
    "com.amazonaws.licensemanager#GetLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {

"smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseResponse": {
        "type": "structure",
        "members": {
            "License": {
                "target": "com.amazonaws.licensemanager#License",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },

  "com.amazonaws.licensemanager#GetLicenseUsage": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
        },
        "errors": [
            {
```

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the usage of the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseUsageRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseUsageResponse": {
"type": "structure",
"members": {
"LicenseUsage": {
"target":
"com.amazonaws.licensemanager#LicenseUsage",
"traits": {
"smithy.api#documentation": " License usage details. "
}
}

```
            },
            "traits": {
                "smithy.api#output": {}
            }
        },
        "com.amazonaws.licensemanager#GetServiceSettings": {
            "type": "operation",
            "input": {
                "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
            },
            "output": {
                "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
            },
            "errors": [
                {
                    "target": "com.amazonaws.licensemanager#AccessDeniedException"
                },
                {
                    "target": "com.amazonaws.licensemanager#AuthorizationException"
                },
                {
                    "target": "com.amazonaws.licensemanager#RateLimitExceededException"
                },
                {
                    "target": "com.amazonaws.licensemanager#ServerInternalException"
                }
            ],
            "traits": {
                "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
            }
        },
        "com.amazonaws.licensemanager#GetServiceSettingsRequest": {
            "type": "structure",
            "members": {},
            "traits": {
                "smithy.api#input": {}
            }
        },
        "com.amazonaws.licensemanager#GetServiceSettingsResponse": {
            "type": "structure",
            "members": {
                "S3BucketArn": {
                    "target": "com.amazonaws.licensemanager#String",
                    "traits": {
                        "smithy.api#documentation": "<p>Regional S3 bucket path for storing reports, license trail event data,
discovery data,\n        and so on.</p>"
```

}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " SNS topic configured to receive notifications from License Manager. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Indicates whether Organizations is integrated with License Manager for\n cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether cross-account discovery is enabled. "
}

},
"LicenseManagerResourceShareArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource share. The License Manager management account \n provides member accounts with access to this share. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Grant": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}
}
},
"ParentArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",
"smithy.api#required": {}
}
},
"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},

```
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Granted operations.</p>",
                    "smithy.api#required": {}
                }
            },
            "Options": {
                "target": "com.amazonaws.licensemanager#Options",
                "traits": {
                    "smithy.api#documentation": "<p>The options specified for the grant.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation":
"<p>Describes a grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#GrantList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Grant"
        }
    },
    "com.amazonaws.licensemanager#GrantStatus": {
        "type": "enum",
        "members": {
            "PENDING_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_WORKFLOW"
                }
            },
            "PENDING_ACCEPT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_ACCEPT"
                }
            },
            "REJECTED": {
```

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REJECTED"

}
},
"ACTIVE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ACTIVE"
}
},
"FAILED_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED_WORKFLOW"
}
},
"DELETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DELETED"
}
},
"PENDING_DELETE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_DELETE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "DISABLED"
}
},
"WORKFLOW_COMPLETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WORKFLOW_COMPLETED"
}
}
}
},
"com.amazonaws.licensemanager#GrantedLicense": {
"type": "structure",
"members": {

"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. "
}

},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " Granted license issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the granted license. "

}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " Granted license status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the granted license is valid, in

ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Granted license beneficiary. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Granted license metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Creation time of the granted license. "

}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Version of the granted license. "
}
},
"ReceivedMetadata": {
"target": "com.amazonaws.licensemanager#ReceivedMetadata",
"traits": {
"smithy.api#documentation": " Granted license received metadata. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a license that is granted to a grantee. "
}
},
"com.amazonaws.licensemanager#GrantedLicenseList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#GrantedLicense"
}
},
"com.amazonaws.licensemanager#ISO8601DateTime":
{
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$"
}
},
"com.amazonaws.licensemanager#Integer": {
"type": "integer"
},
"com.amazonaws.licensemanager#InvalidParameterValueException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidParameterValueProvided",
"httpResponseCode": 400
},
"smithy.api#documentation":
" One or more parameter values are not valid. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#InvalidResourceStateException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}

```
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidResourceState",
                "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n        <p>For example, you cannot allocate a license to an instance in the process of shutting\n
down.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },

    "com.amazonaws.licensemanager#InventoryFilter": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the filter.</p>",
                    "smithy.api#required": {}
                }
            },
            "Condition": {
                "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
                "traits": {
                    "smithy.api#documentation": "<p>Condition of the filter.</p>",
                    "smithy.api#required": {}
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Value of the filter.</p>"
                }
            }

    },
        "traits": {
            "smithy.api#documentation": "<p>An inventory filter.</p>"
        }
    },
    "com.amazonaws.licensemanager#InventoryFilterCondition": {
        "type": "enum",
        "members": {
            "EQUALS": {
                "target": "smithy.api#Unit",
```

"traits": {
"smithy.api#enumValue": "EQUALS"
}
},
"NOT_EQUALS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "NOT_EQUALS"
}
},
"BEGINS_WITH": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "BEGINS_WITH"
}
},
"CONTAINS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CONTAINS"
}
}
}
},
"com.amazonaws.licensemanager#InventoryFilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#InventoryFilter"
}
},
"com.amazonaws.licensemanager#Issuer": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. ",
"smithy.api#required": {}
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
}

```
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about the issuer of a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#IssuerDetails": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer name.</p>"
                }
            },
            "SignKey": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage of sign and verify, \n        and support the RSASSA-PSS SHA-256 signing
algorithm.</p>"
                }
            },
            "KeyFingerprint": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer key fingerprint.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details associated with the issuer of a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#License": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {

            "smithy.api#documentation": "<p>License name.</p>"
                }
```

```
        },
        "ProductName": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Product name.</p>"
          }
        },
        "ProductSKU": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Product SKU.</p>"
          }
        },
        "Issuer": {
          "target": "com.amazonaws.licensemanager#IssuerDetails",
          "traits": {
            "smithy.api#documentation": "<p>License issuer.</p>"
          }
        },
        "HomeRegion": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {

        "smithy.api#documentation": "<p>Home Region of the license.</p>"
          }
        },
        "Status": {
          "target": "com.amazonaws.licensemanager#LicenseStatus",
          "traits": {
            "smithy.api#documentation": "<p>License status.</p>"
          }
        },
        "Validity": {
          "target": "com.amazonaws.licensemanager#DatetimeRange",
          "traits": {
            "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>"
          }
        },
        "Beneficiary": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>License beneficiary.</p>"
          }
        },
        "Entitlements": {
```

"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " License metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " License
creation time. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#documentation": " Software license that is managed in License Manager. "
}
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
"type": "structure",
"members": {
"LicenseConfigurationId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Unique ID of the license configuration. "
}
},
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "

```
            }
        },
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Name of the license configuration.</p>"
            }
        },
        "Description": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Description of the license configuration.</p>"
            }
        },
        "LicenseCountingType": {
            "target": "com.amazonaws.licensemanager#LicenseCountingType",
            "traits": {
                "smithy.api#documentation": "<p>Dimension to use to track the license inventory.</p>"
            }
        },
        "LicenseRules": {
            "target": "com.amazonaws.licensemanager#StringList",
            "traits": {
                "smithy.api#documentation": "<p>License rules.</p>"
            }
        },
        "LicenseCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
            }
        },
        "LicenseCountHardLimit": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
                "smithy.api#documentation": "<p>Number of available licenses as a hard limit.</p>"
            }
        },
        "DisassociateWhenNotFound": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
                "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
            }
        },
        "ConsumedLicenses": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
```

"smithy.api#documentation": " Number of licenses consumed. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the license configuration. "
}
},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the license configuration's owner. "

}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for licenses consumed by various resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for managed resources. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {

"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
}
},
"traits": {
"smithy.api#documentation": " A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used. "

```
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
        "type": "structure",
        "members": {
            "ResourceArn":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Type of server resource.</p>"
                }
            },
            "ResourceOwnerId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the resource
consuming licenses.</p>"
                }
            },
            "AssociationTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {

    "smithy.api#documentation": "<p>Time when the license configuration was associated with the resource.</p>"
                }
            },
            "AmiAssociationScope": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes an association with a license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
```

```
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationStatus": {
        "type": "enum",
        "members":
{
            "AVAILABLE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "AVAILABLE"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DISABLED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationUsage": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceStatus": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Status of the resource.</p>"
                }
            },
            "ResourceOwnerId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            },
```

"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the usage of a resource associated with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
}
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfiguration"
}
},
"com.amazonaws.licensemanager#LicenseConversionContext": {

"type": "structure",
"members": {
"UsageOperation": {
"target": "com.amazonaws.licensemanager#UsageOperation",
"traits": {
"smithy.api#documentation": " The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\n \n "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "

```
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTask": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {

     "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the license type conversion task.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource associated
with the license type\n        conversion task.</p>"
                }
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license type this conversion task converted
from.</p>"
                }
            },
            "DestinationLicenseContext": {
                "target":
 "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
                "traits": {
                    "smithy.api#documentation": "<p>The status of the conversion task.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
                }
            },
            "StartTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
```

```
                "traits": {
                    "smithy.api#documentation":
 "<p>The time the conversion task was started at.</p>"
                }
            },
            "LicenseConversionTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
                }
            },
            "EndTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTaskId": {
        "type": "string",
        "traits": {

        "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
        "type": "enum",
        "members": {
            "IN_PROGRESS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "IN_PROGRESS"
                }
            },
            "SUCCEEDED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "SUCCEEDED"
                }
```

```
            },
            "FAILED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTasks":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTask"
        }
    },
    "com.amazonaws.licensemanager#LicenseCountingType": {
        "type": "enum",
        "members": {
            "VCPU": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "vCPU"
                }
            },
            "INSTANCE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Instance"
                }
            },
            "CORE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Core"
                }
            },
            "SOCKET": {
                "target": "smithy.api#Unit",
                 "traits": {
                    "smithy.api#enumValue": "Socket"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseDeletionStatus": {
        "type": "enum",
        "members": {
```

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        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#License"
    }
},
"com.amazonaws.licensemanager#LicenseOperationFailure": {

    "type": "structure",
    "members": {
        "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
            }
        },
        "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Resource type.</p>"
            }
        },
        "ErrorMessage": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Error message.</p>"
            }
        },
        "FailureTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {

"smithy.api#documentation": "<p>Failure time.</p>"
            }
```

```
            },
            "OperationName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the operation.</p>"
                }
            },
            "ResourceOwnerId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the
resource.</p>"
                }
            },
            "OperationRequestedBy": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The requester is \"License Manager Automated Discovery\".</p>"
                }
            },
            "MetadataList": {

                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Reserved.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes the failure of a license operation.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseOperationFailureList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseOperationFailure"
        }
    },
    "com.amazonaws.licensemanager#LicenseSpecification": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
```

"smithy.api#required": {}
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Details for associating a license configuration with a resource. "
}
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseSpecification"
}
},
"com.amazonaws.licensemanager#LicenseStatus": {
"type": "enum",
"members": {
"AVAILABLE": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"PENDING_AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_AVAILABLE"
}
},
"DEACTIVATED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DEACTIVATED"
}
},
"SUSPENDED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SUSPENDED"
}

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        },
        "EXPIRED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EXPIRED"
            }
        },

     "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseUsage": {
    "type": "structure",
    "members": {
        "EntitlementUsages": {
            "target": "com.amazonaws.licensemanager#EntitlementUsageList",
            "traits": {
                "smithy.api#documentation": "<p>License entitlement usages.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"

    }
},
"com.amazonaws.licensemanager#LicenseUsageException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "LicenseUsageFailure",
            "httpResponseCode": 412
```

```
            },
            "smithy.api#documentation": "<p>You do not have enough licenses available to support a new resource
launch.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 412
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
        },
        "output": {

    "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the resource associations for the
 specified license configuration.</p>\n        <p>Resource associations need not consume licenses from a license
configuration. \n        For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules).</p>"
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results
to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationAssociations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license
configuration. "
}
},
"NextToken": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants distributed for the specified license. "
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
"type": "structure",
"members": {
"GrantArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n

```
<li>\n <p>\n <code>GranteePrincipalARN</code>\n </p>\n </li>\n
<li>\n <p>\n <code>ProductSKU</code>\n </p>\n </li>\n <li>\n
<p>\n <code>LicenseIssuerName</code>\n
</p>\n </li>\n </ul>"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": "<p>Token for the next set of results.</p>"
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",

"traits": {
"smithy.api#documentation": "<p>Distributed grant details.</p>"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": "<p>Token for the next set of results.</p>"
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
```

```
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
        },
        "errors": [
            {

"target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
```

```
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
        "type": "structure",
        "members": {
            "LicenseOperationFailureList": {
                "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
                "traits": {
                    "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
        },

    "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
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            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configurations
 for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArns": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next
 set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n                Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n                Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n
<p>\n                <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n                Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>.</p>\n
    </li>\n            <li>\n                <p>\n                <code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n                Logical operators are
```

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<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n         </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurations": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurations",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",

         "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConversionTasks": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
             },
            {
```

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license type conversion tasks for your account. "
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
"type": "structure",
"members": {
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " \n Filters to scope the results. Valid filters are <code>ResourceArns</code> and <code>Status</code>.\n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
"type": "structure",
"members": {
"LicenseConversionTasks": {
"target": "com.amazonaws.licensemanager#LicenseConversionTasks",
"traits": {
"smithy.api#documentation": " Information about the license configuration tasks for your account. "
}
},

```
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
```

```
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseConfigurationArn</code>\n
</p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits":
{
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
        "type": "structure",
        "members": {
            "ReportGenerators": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorList",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
```

```
            }
            },
            "traits": {
                "smithy.api#output": {}
            }
        },
        "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
            "type": "operation",
            "input": {
                "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
            },
            "output": {
                "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
            },
            "errors": [
                {
                    "target": "com.amazonaws.licensemanager#AccessDeniedException"
                },
                {
                    "target": "com.amazonaws.licensemanager#AuthorizationException"
                },
                {
                    "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
                },
                {
                    "target": "com.amazonaws.licensemanager#RateLimitExceededException"
                 },
                {
                    "target": "com.amazonaws.licensemanager#ServerInternalException"
                }
            ],
            "traits": {
                "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
            }
        },
        "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
            "type": "structure",
            "members": {
                "ResourceArn": {
                    "target": "com.amazonaws.licensemanager#String",
                    "traits": {
                        "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an
associated license configuration.</p>",
                        "smithy.api#required": {}
                    }
                },
                "MaxResults": {
                    "target": "com.amazonaws.licensemanager#BoxInteger",
```

"traits": {

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {
"LicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " License configurations associated with a resource. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

```
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                "smithy.api#required": {}
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
    "type": "structure",
    "members": {
        "Licenses": {
```

```
            "target": "com.amazonaws.licensemanager#LicenseList",
            "traits": {
                "smithy.api#documentation": "<p>License details.</p>"
            }
        },

"NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
    }
```

```
    },
    "com.amazonaws.licensemanager#ListLicensesRequest": {
      "type": "structure",
      "members": {
        "LicenseArns": {
          "target": "com.amazonaws.licensemanager#ArnList",
          "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
          }
        },

     "Filters": {
          "target": "com.amazonaws.licensemanager#FilterList",
          "traits": {
            "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n          <li>\n            <p>\n              <code>Beneficiary</code>\n            </p>\n
      </li>\n          <li>\n            <p>\n              <code>ProductSKU</code>\n            </p>\n          </li>\n
   <li>\n            <p>\n              <code>Fingerprint</code>\n            </p>\n          </li>\n          <li>\n
<p>\n              <code>Status</code>\n            </p>\n          </li>\n        </ul>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token
 for the next set of results.</p>"
          }
        },
        "MaxResults": {
          "target": "com.amazonaws.licensemanager#MaxSize100",
          "traits": {
            "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#ListLicensesResponse": {
      "type": "structure",
      "members": {
        "Licenses": {
          "target": "com.amazonaws.licensemanager#LicenseList",
          "traits": {
            "smithy.api#documentation": "<p>License details.</p>"
          }
        },
```

"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}

```
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
          "target":
"com.amazonaws.licensemanager#ValidationException"
        }
      ],
      "traits": {
        "smithy.api#documentation": "<p>Lists the grants received for all accounts in the organization.</p>"
      }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
      "type": "structure",
      "members": {
        "LicenseArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the received license.</p>",
            "smithy.api#required": {}
          }
        },
        "Filters": {
```

"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n
\n \n \n <code>ParentArn</code>\n \n \n
\n \n <code>GranteePrincipalArn</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",
"traits": {
"smithy.api#documentation": " Lists the grants the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
"type": "structure",

"members": {
"GrantArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranterAccountId</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",
"traits": {
"smithy.api#documentation": " Received grant details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists received licenses. "
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"

```
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {

    "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n    <ul>\n        <li>\n            <p>\n                <code>Beneficiary</code>\n            </p>\n
    </li>\n        <li>\n            <p>\n                <code>ProductSKU</code>\n
            </p>\n        </li>\n    </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
```

```
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#GrantedLicenseList",
                 "traits": {
                    "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
        "type": "structure",
        "members": {
            "LicenseArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
                }
            },

             "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n    <ul>\n    <li>\n    <p>\n    <code>ProductSKU</code>\n    </p>\n
```

```
</li>\n <li>\n <p>\n <code>Status</code>\n </p>\n </li>\n
<li>\n <p>\n <code>Fingerprint</code>\n </p>\n </li>\n <li>\n
<p>\n <code>IssuerName</code>\n </p>\n </li>\n <li>\n <p>\n
<code>Beneficiary</code>\n </p>\n </li>\n </ul>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
        "type": "structure",
        "members": {
          "Licenses": {
            "target": "com.amazonaws.licensemanager#GrantedLicenseList",
            "traits": {
              "smithy.api#documentation": "<p>Received license details.</p>"
            }
          },

         "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListResourceInventory": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
```

```
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FailedDependencyException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
    }
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
    "type": "structure",
    "members": {
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "Filters": {
            "target": "com.amazonaws.licensemanager#InventoryFilterList",
```

"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>account_id</code> - The ID of the Amazon Web Services account that owns the resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n
\n \n \n <code>application_name</code> - The name of the application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n
\n \n \n <code>license_included</code> - The type of license included. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
\n <code>platform</code> - The platform of the resource.\n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n \n \n \n
<code>resource_id</code> - The ID of the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n
<code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account). \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
"type": "structure",
"members": {
"ResourceInventoryList": {
"target": "com.amazonaws.licensemanager#ResourceInventoryList",
"traits": {
"smithy.api#documentation": " Information about the resources. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListTagsForResource": {
"type": "operation",

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        "input": {
            "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
             },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
```

```
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
        "errors":
[
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists your tokens.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTokensRequest": {
        "type": "structure",
        "members": {
            "TokenIds": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
```

"smithy.api#documentation": " Token IDs. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filter is supported: \n
\n \n \n <code>LicenseArns</code>\n \n \n
"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation":
" Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListTokensResponse": {
"type": "structure",
"members": {
"Tokens": {
"target": "com.amazonaws.licensemanager#TokenList",
"traits": {
"smithy.api#documentation": " Received token details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}

```
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
             {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license\n        consumption details by resource at a selected point in time. Use this action to audit the\n        current
license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
```

"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
"type": "structure",
"members": {

"LicenseConfigurationUsageList": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}

```
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#Location": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#Long": {
        "type": "long"
    },
    "com.amazonaws.licensemanager#ManagedResourceSummary": {
        "type": "structure",
        "members": {
            "ResourceType":
{
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
                }
            },
            "AssociationCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ManagedResourceSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
        }
    },
    "com.amazonaws.licensemanager#MaxSize100": {

    "type": "integer",
        "traits": {
            "smithy.api#range": {
                "min": 1,
                "max": 100
            }
        }
    },
```

```
"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The key name.</p>"
            }
        },

"Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The value.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes key/value pairs.</p>"
    }
},
"com.amazonaws.licensemanager#MetadataList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Metadata"
    }
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
```

```
        },
        "traits": {
            "smithy.api#documentation": "<p>There are no entitlements found for this license, or the entitlement maximum count is reached.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#Options": {
        "type": "structure",
        "members": {
            "ActivationOverrideBehavior": {
                "target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
                "traits": {
                    "smithy.api#documentation": "<p>An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter.</p>\n <ul>\n <li>\n <p>As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant.</p>\n </li>\n <li>\n <p>As a grantor, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your organization.</p>\n </li>\n <li>\n <p>As a grantee, if the grantor creating the distributed grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n are activating the grant.</p>\n </li>\n </ul>\n <dl>\n <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n <p>Use this value to activate a grant without replacing any member accounts\n active grants for the same product.</p>\n </dd>\n <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n <p>Use this value to activate a grant and disable other active grants in any\n member accounts
 for the same product. This action will also replace their\n previously activated grants with this activated grant.</p>\n </dd>\n </dl>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The options you can specify when you create a new version of a grant, such as activation\n override behavior. For more information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#OrganizationConfiguration": {
        "type": "structure",
        "members": {
            "EnableIntegration": {
                "target": "com.amazonaws.licensemanager#Boolean",
                "traits": {
                    "smithy.api#default": false,
                    "smithy.api#documentation":
```

" Enables Organizations integration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Configuration information for Organizations. "
}
},
"com.amazonaws.licensemanager#PrincipalArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 1
}
}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Resource type. The possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a <code>ProductInformationFilterComparator</code> which is a logical operator, a <code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. \n The following filters and are supported when the resource type \n is <code>SSM_MANAGED</code>: \n \n \n \n <code>Application Name</code> - The name of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Publisher</code> - The publisher of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform

Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n
\n \n \n <code>Platform Type</code> - The platform type.\n
Logical operator is <code>EQUALS</code>. \n
\n \n \n <code>Tag:key</code> - The key of a tag attached to an
Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is
<code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the
example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you
are not using values for the key.\n \n \n \n \n
<code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from
automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n
\n \n <code>License Included</code> - The type of license included.\n Logical
operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are:
<code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-
web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
The following filters and logical operators are supported when the resource type\n is
<code>RDS</code>: \n \n \n \n <code>Engine Edition</code> -
The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible
values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-
se2</code>. \n \n \n \n <code>License Pack</code> - The license
pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data
guard</code> | \n <code>diagnostic pack sqlt</code> | \n
<code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n
\n ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information for a license configuration. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
"type": "structure",
"members": {
"ProductInformationFilterName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Filter name. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterValue": {
"target": "com.amazonaws.licensemanager#StringList",

"traits": {
"smithy.api#documentation": " Filter value. "
}
},

```
        "ProductInformationFilterComparator": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Logical operator.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes product information filters.</p>"
    }
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ProductInformationFilter"
    }
},
"com.amazonaws.licensemanager#ProductInformationList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ProductInformation"
    }
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
    "type": "structure",
    "members": {
        "MaxTimeToLiveInMinutes": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
    }
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
```

"aws.protocols#awsQueryError": {
"code": "RateLimitExceeded",
"httpResponseCode": 429
},
"smithy.api#documentation": " Too many requests have been submitted. Try again after a brief wait. ",
"smithy.api#error": "client",
"smithy.api#httpError": 429
}
},
"com.amazonaws.licensemanager#ReceivedMetadata": {
"type": "structure",
"members": {
"ReceivedStatus": {
"target": "com.amazonaws.licensemanager#ReceivedStatus",
"traits": {
"smithy.api#documentation": " Received status. "
}
},
"ReceivedStatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Received status reason. "
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations. "
}
}
},
"traits": {
"smithy.api#documentation": " Metadata associated with received licenses and grants. "
}
},
"com.amazonaws.licensemanager#ReceivedStatus": {
"type": "enum",
"members": {
"PENDING_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_WORKFLOW"
}
},
"PENDING_ACCEPT": {
"target": "smithy.api#Unit",

```
            "traits": {
                "smithy.api#enumValue":
"PENDING_ACCEPT"
            }
        },
        "REJECTED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "REJECTED"
            }
        },
        "ACTIVE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ACTIVE"
            }
        },
        "FAILED_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED_WORKFLOW"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        },
        "DISABLED": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "DISABLED"
            }
        },
        "WORKFLOW_COMPLETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "WORKFLOW_COMPLETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#RedirectException": {
    "type": "structure",
    "members": {
        "Location": {
            "target": "com.amazonaws.licensemanager#Location",
```

```
            "traits": {
                "smithy.api#httpHeader": "Location"
            }
        },
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
         "smithy.api#error": "client",
        "smithy.api#httpError": 308
    }
},
"com.amazonaws.licensemanager#RejectGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#RejectGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#RejectGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
```

```
        }
    },
    "com.amazonaws.licensemanager#RejectGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}

  }
    },
    "com.amazonaws.licensemanager#RejectGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#RenewType":
{
        "type": "enum",
        "members": {
```

"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"WEEKLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Weekly"
}
},
"MONTHLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Monthly"
}
}
}
},
"com.amazonaws.licensemanager#ReportContext": {
"type": "structure",
"members": {
"licenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "
}
},
"period": {

"target": "com.amazonaws.licensemanager#ReportFrequencyType",

"traits": {
"smithy.api#documentation": " Time period between each report. The period can be daily, weekly, or monthly. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
"type": "enum",
"members": {
"DAY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DAY"
}
},
"WEEK": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WEEK"
}
},
"MONTH": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "MONTH"
}
}
}
},
"com.amazonaws.licensemanager#ReportGenerator": {
"type": "structure",
"members": {
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the report generator. "
}
},
"ReportType": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {

"smithy.api#documentation": " Type of reports that are generated. "
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " License configuration type for this generator. "
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. "
}
},
"LastRunStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the last report generation attempt. "
}
},
"LastRunFailureReason": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Failure message for the last report generation attempt. "
}
},
"LastReportGenerationTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the last report was generated at. "
}
},
"ReportCreatorAccount": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Web Services account ID used to create the report generator. "
}
},

"Description": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"S3Location": {
"target": "com.amazonaws.licensemanager#S3Location",
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the report was created. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags associated with the report generator. "
}

}
},
"traits": {
"smithy.api#documentation": " Describe the details of a report generator. "
}
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ReportGenerator"
}
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}
}
},
"com.amazonaws.licensemanager#ReportType": {

"type": "enum",
"members": {
"LICENSE_CONFIGURATION_SUMMARY_REPORT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "LicenseConfigurationSummaryReport"
}

},
"LICENSE_CONFIGURATION_USAGE_REPORT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "LicenseConfigurationUsageReport"
}
}
}
},
"com.amazonaws.licensemanager#ReportTypeList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ReportType"
}
},
"com.amazonaws.licensemanager#ResourceInventory": {
"type": "structure",
"members": {
"ResourceId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits":
{
"smithy.api#documentation": " Type of resource. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"Platform": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Platform of the resource. "
}
},
"PlatformVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Platform version of the resource in the inventory. "
}
},
"ResourceOwningAccountId":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about a resource. "
}
},
"com.amazonaws.licensemanager#ResourceInventoryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ResourceInventory"
}
},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "ResourceLimitExceeded",

"httpResponseCode": 400
},
"smithy.api#documentation": " Your resource limits have been exceeded. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
"type": "structure",
"members": {

```
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
    "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_INSTANCE"
            }
        },
        "EC2_HOST": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_HOST"
            }
        },
        "EC2_AMI": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_AMI"
            }
        },
        "RDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "RDS"
            }
        },
        "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
            }
        }
    }
```

```
    },
    "com.amazonaws.licensemanager#S3Location": {
        "type": "structure",
        "members": {
            "bucket": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the S3 bucket reports are published to.</p>"
                }
            },
            "keyPrefix": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Prefix of the S3 bucket reports are published to.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
        }
    },
    "com.amazonaws.licensemanager#ServerInternalException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InternalError",
                "httpResponseCode": 500
            },
            "smithy.api#documentation": "<p>The server experienced an internal error. Try again.</p>",
            "smithy.api#error": "server",
            "smithy.api#httpError": 500
        }
    },
    "com.amazonaws.licensemanager#SignedToken": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 4096
            }
        }
    },
    "com.amazonaws.licensemanager#StatusReasonMessage": {
```

```
        "type": "string",
        "traits":
{
            "smithy.api#length": {
                "min": 0,
                "max": 400
            },
            "smithy.api#pattern": "^[\\s\\S]+$"
        }
    },
    "com.amazonaws.licensemanager#String": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#StringList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#Tag": {
        "type": "structure",
        "members": {
            "Key": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Tag key.</p>"
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Tag value.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagKeyList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#TagList": {
        "type": "list",
```

"member": {
"target": "com.amazonaws.licensemanager#Tag"
}
},
"com.amazonaws.licensemanager#TagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#TagResourceResponse"
},
"errors": [
{
"target":
"com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Adds the specified tags to the specified license configuration. "
}
},
"com.amazonaws.licensemanager#TagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits":
{
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license
configuration. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",

```
                "traits": {
                    "smithy.api#documentation": "<p>One or more tags.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>"
                }
            },
            "TokenType": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
                }
            },
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "ExpirationTime": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC
 format.</p>"
                }
            },
            "TokenProperties": {
                "target": "com.amazonaws.licensemanager#MaxSize3StringList",
```

"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#TokenData"
}
},
"com.amazonaws.licensemanager#TokenString": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 4096
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#TokenType": {
"type": "enum",
"members": {
"REFRESH_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REFRESH_TOKEN"
}

```
            }
        }
    },
    "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
 {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The digital signature method is unsupported. Try your request
again.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UntagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
             },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Removes the specified tags from the specified license
configuration.</p>"
        }
    },
```

"com.amazonaws.licensemanager#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanager#TagKeyList",
"traits": {
"smithy.api#documentation": " Keys identifying the tags to remove. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"

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            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseConfigurationStatus": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
                "traits": {
                    "smithy.api#documentation": "<p>New status of the license configuration.</p>"
                }
            },
            "LicenseRules": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {

    "smithy.api#documentation": "<p>New license rule. The only rule that you can add after you create a license\n
    configuration is licenseAffinityToHost.</p>"
                }
            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>New number of licenses managed by the license
configuration.</p>"
                }
            },
            "LicenseCountHardLimit": {
```

"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name
of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is
uninstalled. "
}
}
},
"traits":
{
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"

```
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
             },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to update.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportGeneratorName": {
```

"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation":
" Type of reports to generate. The following report types are supported: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " The report context. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},

{
"target": "com.amazonaws.licensemanager#InvalidResourceStateException"
},
{
"target": "com.amazonaws.licensemanager#LicenseUsageException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Adds or removes the specified license configurations for the specified Amazon Web Services resource. \n You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource. "

```
        }
    },

    "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services
resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "AddLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
                }
            },
            "RemoveLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation":
 "<p>ARNs of the license configurations to remove.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
        },
        "errors": [
```

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            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
        "type": "structure",
        "members": {
            "S3BucketArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
 Manager information is stored.</p>"
                }
            },
            "SnsTopicArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts.</p>"
                }
            },
            "OrganizationConfiguration": {
                "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account discovery.</p>"
                }
            },
            "EnableCrossAccountsDiscovery": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
```

"smithy.api#documentation": " Activates cross-account discovery. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UsageOperation": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
}
}
},
"com.amazonaws.licensemanager#ValidationException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The provided input is not valid. Try your request again. ",

"smithy.api#error": "client",
"smithy.api#httpError": 400
}
}
}
}

1.6845 aws-sdk-go-v2-service-internal-presigned-url 1.11.17

1.6845.1 Available under license :

```
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
       uses: actions/checkout@v2
       with:
         path: new-ref
         fetch-depth: 0
     - name: Get Diff
       run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
     - name: Get Target Files
       run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
     - name: Checkout scancode
       uses: actions/checkout@v2
       with:
         repository: nexB/scancode-toolkit
         path: scancode-toolkit
         fetch-depth: 1
     - name: Set up Python ${{ matrix.python-version }}
        uses: actions/setup-python@v2
       with:
         python-version: ${{ matrix.python-version }}
     # ScanCode
     - name: Self-configure scancode
       working-directory: ./scancode-toolkit
       run: ./scancode --help
     - name: Run Scan code on target
       run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
     - name: Run Scan code on pr ref
       run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
```

```
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses are the same. Success."; exit 0; fi
CreateLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
ListReceivedLicenses
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
 Serialize stack step
  setOperationInput
```

```
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
```

```
 params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string
```

```
 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
```

```
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
```

```
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
```

```
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.Entitlement

 // Home Region for the license.
 //
```

```
 // This member is required.
 HomeRegion *string

 // License issuer.
 //
 // This member is required.
 Issuer *types.Issuer

 // License name.
 //
 // This member is required.
 LicenseName *string

 // Product name.
 //
 // This member is required.
 ProductName *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // Date and time range during which the license is valid, in ISO8601-UTC format.
 //
 // This member is required.
 Validity *types.DatetimeRange

 // Information about
 the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata
```

```
 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if
 err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
```

```
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return
 err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
```

```
  OperationName:
 "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string
```

```
 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
 err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
```

```
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil
 {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
CheckoutLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
```

ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
DisassociateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckoutBorrowLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation

```
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
```

```
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
   - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string
```

```
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
```

```
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err
 = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
```

```
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
AssociateLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
```

```
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}
```

```
func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err
 != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
```

```
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpGetLicenseValidationMiddleware(stack);
 err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
```

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
```

```
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
```

```
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack,
options); err != nil {
 return err
}
if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
```

```
 return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
ListLicenses
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
```

ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AWS SDK for Go
Copyright 2015 Amazon.com, Inc. or its affiliates. All Rights Reserved.
Copyright 2014-2015 Stripe, Inc.
{
"smithy": "2.0",
"shapes": {
"com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
"type": "long"
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions \n\t\t\tregistered to your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/DeregisterSubscriptionProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the subscription provider resource to deregister.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The type of name to filter by.</p>"
                }
            },
            "Values": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                "traits": {
```

"smithy.api#documentation": " One or more values for the name to filter by. "
}
},
"Operator": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
"traits": {
"smithy.api#documentation": " An operator for filtering results. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Get details for a Bring Your Own License (BYOL) subscription that's registered to your account. ",

"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetRegisteredSubscriptionProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation":
" The Amazon Resource Name (ARN) of the BYOL registration resource to get details for. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) for the BYOL registration resource specified in the request. "
}
},
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

"traits": {
"smithy.api#documentation": " The subscription provider for the BYOL registration resource specified \n\t\t\tin the request. "
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request. "
}

```
            },
            "SubscriptionProviderStatus": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
                "traits": {
                    "smithy.api#documentation": "<p>The status of the Linux subscription provider access token from the
last \n\t\t\tsuccessful subscription data request.</p>"
                }
            },
            "SubscriptionProviderStatusMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The detailed message from your subscription provider token
status.</p>"
                }
            },
            "LastSuccessfulDataRetrievalTime": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The timestamp from the last time License Manager retrieved
subscription details \n\t\t\tfrom your registered third-party Linux subscription provider.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
        "type": "operation",
        "input": {
            "target":
 "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
```

"smithy.api#documentation": " Lists the Linux subscriptions service settings for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetServiceSettings"

},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
"type": "structure",
"members": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " Lists
the settings defined for Linux subscriptions discovery. The settings include if\n Organizations integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}
},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",

"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
"type": "structure",
"members": {
"AmiId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The AMI ID used to launch the instance. "
}
},
"InstanceID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The instance ID of the resource. "
}
},
"InstanceType": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The instance type of the resource. "
}
},
"AccountID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The account ID which owns the instance. "
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the instance. "
}
},
"Region": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {

"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},
"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the license subscription that the instance uses. "
}
},
"OsVersion": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The operating system software version that runs on your instance. "
}
},
"SubscriptionProviderCreateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp when you registered the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses. "
}
},
"SubscriptionProviderUpdateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that the instance synced with the

registered \n\t\t\tthird-party Linux subscription provider. "
}
},
"DualSubscription": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Indicates that you have two different license subscriptions for \n\t\t\tthe same software on your instance. "
}
},
"RegisteredWithSubscriptionProvider": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " Indicates that your instance uses a BYOL license subscription from \n\t\t\ta third-party Linux subscription provider that you've registered with License Manager. "
}
}
},
"traits": {
"smithy.api#documentation": " Details discovered information about a running instance using Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation":
" An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
"type": "service",
"version": "2018-05-10",
"operations": [
{

```
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
    }
],
"traits": {
    "aws.api#service": {
        "sdkId": "License Manager Linux Subscriptions",
        "arnNamespace": "license-manager-linux-subscriptions",
        "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
    },
    "aws.auth#sigv4": {
        "name": "license-manager-linux-subscriptions"
    },
    "aws.protocols#restJson1": {},
    "smithy.api#cors": {
        "additionalAllowedHeaders": [
            "*",
            "content-type",
            "x-amz-content-sha256",
```

"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager,
you can discover and track your commercial Linux subscriptions on running\n Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
},
"rules": [
{
"conditions": [

```
                {
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                  "argv": [
                    {
                      "ref": "Endpoint"
                    }
                  ]
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              ],
              "rules": [
                {
                  "conditions": [
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                      "fn": "booleanEquals",
                      "argv": [
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                          "ref": "UseFIPS"
                        },
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                      ]
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                {
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                            },
                            true
                          ]

}
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                      "type": "error"
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                      "conditions": [],
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```
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    "type": "tree"

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  ],
  "type": "tree"
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  "rules": [
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              "ref": "Region"
            }
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                }
              ],
              "assign": "PartitionResult"
            }
          ],
          "rules": [
            {
              "conditions": [
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                  "fn": "booleanEquals",
```

"argv": [
{

"ref": "UseFIPS"
},
true
]
},
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseDualStack"
},
true
]
}

],
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{
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"argv": [
{
"ref": "PartitionResult"

},
"supportsFIPS"
]
}
]
},
{
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"argv": [
true,
{
"fn": "getAttr",
"argv": [

{
"ref": "PartitionResult"

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                                                    },
                                                    "supportsDualStack"
                                                ]
                                            }
                                        ]
                                    }
                                ],
                                "rules": [
                                    {
                                        "conditions": [],

        "rules": [
                                            {
                                                "conditions": [],
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fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                                    "properties": {},
                                                    "headers": {}
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                                "conditions": [],
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one or both",
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            "conditions": [
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                                "argv": [
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                                    },
                                    true
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```
                    ]
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            "rules": [
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                        {

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                                    "fn": "getAttr",
                                    "argv": [
                                        {
                                            "ref": "PartitionResult"
                                        },
                                        "supportsFIPS"
                                    ]
                                },
                                true

                    ]
                        }
                    ],
                    "rules": [
                        {
                            "conditions": [],
                            "rules": [
                                {
                                    "conditions": [],
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  "properties": {},
                                        "headers": {}
                                    },
                                    "type": "endpoint"
                                }
                            ],
                            "type": "tree"
                        }
                    ],
                    "type": "tree"
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```

but this partition does not support FIPS",
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"type": "tree"
},
{
"conditions": [
{
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"argv": [
{
"ref": "UseDualStack"
},
true

]
}
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"conditions": [
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{
"fn": "getAttr",
"argv": [
{

"ref": "PartitionResult"
},
"supportsDualStack"
]
}
]
}
],
"rules": [
{
"conditions": [],
"rules": [

{
"conditions": [],
"endpoint": {
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"properties": {},
"headers": {}
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"type": "endpoint"
}
],
"type": "tree"

}
],
"type": "tree"
},
{
"conditions": [],
"error": "DualStack is enabled but this partition does not support DualStack",
"type": "error"
}
],
"type": "tree"
},
{
"conditions": [],
"rules": [
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"endpoint": {
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subscriptions.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
],
"type": "tree"
}
],
"type": "tree"
}
],
"type": "tree"
},
{
"conditions": [],
"error": "Invalid Configuration: Missing Region",
"type": "error"
}

```
            ],
            "type": "tree"
        }
    ]
},
"smithy.rules#endpointTests": {
    "testCases": [
        {
            "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"

    }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": true
            }
        },
        {
            "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": false
            }
        },
        {

     "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": true
            }
        },
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{
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"expect": {
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"params": {
"Region": "us-east-1",
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"UseDualStack": false
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{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
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"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
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}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}

```
      },
      "params": {
        "Region": "cn-north-1",
        "UseFIPS": false,
        "UseDualStack": true
      }
    },
    {
      "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
        }
      },
      "params": {
        "Region": "cn-north-1",
        "UseFIPS": false,
        "UseDualStack": false
      }
    },
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
        }
      },
      "params": {
        "Region": "us-gov-east-1",
        "UseFIPS": true,
        "UseDualStack": true
      }
    },
    {
      "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
      "expect": {
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        }

     },
      "params": {
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        "UseFIPS": true,
        "UseDualStack": false
      }
    },
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
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}
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {

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"UseDualStack": true
}
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{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
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"url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",

"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
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"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
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},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS":
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"UseDualStack": false
}
},
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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {
"Region": "us-isob-east-1",
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"UseDualStack": true
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{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
}
},

"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
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{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack

disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
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},
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"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
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"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {

"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
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{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}

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    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
      "type": "string",
      "traits": {
        "smithy.api#enum": [
          {
            "name": "Enabled",
            "value": "Enabled",
            "documentation": "Enabled LinuxSubscriptionsDiscovery"

     },
          {
            "name": "Disabled",
            "value": "Disabled",
            "documentation": "Disabled LinuxSubscriptionsDiscovery"
          }
        ]
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
      "type": "structure",
      "members": {
        "SourceRegions": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
          "traits": {
            "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
            "smithy.api#required": {}
          }
        },
        "OrganizationIntegration": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
          "traits": {
            "smithy.api#documentation":
 "<p>Details if you have enabled resource discovery across your accounts in Organizations.</p>",
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
      },
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"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptionInstances"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Instances"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results by your specified criteria. \n \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the \n \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n \t<code>Value</code>, such as <code>us-west</code>. \n For each filter, you can specify one of the following values for the <code>Name</code> key \n \tto streamline results: \n \n \n \n <code>AccountID</code>\n \n \n \n \n <code>AmiID</code>\n \n \n \n \n <code>DualSubscription</code>\n \n \n \n \n <code>InstanceID</code>\n \n \n \n \n

```
<code>InstanceType</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>ProductCode</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>Region</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>Status</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>UsageOperation</code>\n            </p>\n          </li>\n        </ul>\n        <p>For each filter, you can use
one of the following <code>Operator</code>
 values to \n  \t\tdefine the behavior of the filter:</p>\n        <ul>\n          <li>\n            <p>\n
<code>contains</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>equals</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>Notequal</code>\n            </p>\n          </li>\n        </ul>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to
 start paginating. This \n\tis the nextToken from a previously truncated response.</p>",
                    "smithy.api#length": {
                        "min": 1,
                        "max": 16384
                    }
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
        "type": "structure",
        "members": {
            "Instances": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
                "traits": {
                    "smithy.api#documentation": "<p>An array that contains instance objects.</p>"
                }
            },
            "NextToken": {

        "target": "smithy.api#String",
                "traits": {
```

"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptions"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",

"items": "Subscriptions"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
"type": "structure",
"members": {

"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't match a certain subscription's name. \n The valid names for this filter are: \n \n \n \n <code>Subscription</code>\n \n \n \n The valid Operators for this filter are: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
"type": "structure",
"members": {
"Subscriptions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
"traits": {
"smithy.api#documentation": " An array that contains subscription objects. "
}
},
"NextToken": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List Bring Your Own License (BYOL) subscription registration resources for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListRegisteredSubscriptionProviders"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "RegisteredSubscriptionProviders"
}
}

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    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSources": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
                "traits": {
                    "smithy.api#documentation": "<p>To filter your results, specify which subscription providers to
return \n\t\t\tin the list.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>",
                    "smithy.api#range": {
                        "min": 1,
                        "max": 100
                    }
                }

  },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis the
nextToken from a previously truncated response.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
        "type": "structure",
        "members": {
            "RegisteredSubscriptionProviders": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
                "traits": {
                    "smithy.api#documentation": "<p>The list of BYOL registration resources that fit the criteria
\n\t\t\tyou specified in the request.</p>"
                }
            },

           "NextToken": {
                "target": "smithy.api#String",
                "traits": {
```

"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List the metadata tags that are assigned to the \n\t\t\tspecified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "GET",
"uri": "/tags/{resourceArn}"
},
"smithy.api#readonly": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource for which to list metadata tags. ",

```
                "smithy.api#httpLabel": {},
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
    "type": "structure",
    "members": {
        "tags": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
            "traits": {
                "smithy.api#documentation": "<p>The metadata tags for the requested resource.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
    "type": "string",
    "traits": {
        "smithy.api#enum": [
            {
                "name": "EQUAL",
                "value": "Equal",
                "documentation": "Equal operator"
            },
            {
                "name": "NOT_EQUAL",
                "value": "NotEqual",
                "documentation": "Not equal operator"
            },
            {
                "name": "CONTAINS",
                "value": "Contains",
                "documentation": "Contains operator"
            }
        ],
        "smithy.api#length": {
            "min": 1,
            "max": 20
        }
    }
```

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "Enabled",
                    "value": "Enabled",
                    "documentation": "Enabled OrganizationIntegration"
                },
                {
                    "name": "Disabled",
                    "value": "Disabled",
                    "documentation": "Disabled OrganizationIntegration"
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
        "type": "list",
        "member": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
         },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Register the supported third-party subscription provider for your Bring
Your Own License (BYOL) subscription.</p>",
            "smithy.api#http": {
```

"code": 200,
"method": "POST",
"uri": "/subscription/RegisterSubscriptionProvider"

},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " The supported Linux subscription provider to register. ",
"smithy.api#required": {}
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the secret where you've stored your subscription provider's access token. For \n\t\t\tRHEL subscriptions managed through the Red Hat Subscription Manager (RHSM), the secret contains \n\t\t\tyour Red Hat Offline token. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to your registered Linux subscription provider \n\t\t\tresource. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " The Linux subscription provider that you registered. "
}

```
            },
            "SubscriptionProviderArn": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
                }
            },
            "SubscriptionProviderStatus": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of the registration action for the Linux
subscription provider \n\t\t\tthat you requested.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider":
 {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
                }
            },
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation": "<p>A supported third-party Linux subscription provider. License
Manager currently supports \n\t\t\tRed Hat subscriptions.</p>"
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                 "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Secrets Manager secret
that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is
the offline token.</p>"
                }
            },
            "SubscriptionProviderStatus": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
```

"traits": {
"smithy.api#documentation": " Indicates the status of your registered Linux subscription provider access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions, \n\t\t\tthis is the status of the offline token. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " A detailed message that's associated with your BYOL subscription \n\t\t\tprovider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that License Manager accessed third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#documentation": " A third-party provider for operating system (OS) platform software and license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider, License Manager can get subscription data from the registered provider. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " Unable to find the requested Amazon Web Services resource. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {

"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-\\.]{0,63}:secret:[^/]{1,1023}$"

}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "InProgress",
"value": "InProgress",
"documentation": "InProgress status"
},
{
"name": "Completed",
"value": "Completed",
"documentation": "Completed status"
},
{
"name": "Successful",
"value": "Successful",
"documentation": "Successful status"
},
{
"name": "Failed",
"value": "Failed",
"documentation": "Failed status"
}
]
}
},

"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}
}
},
"traits": {
"smithy.api#length": {

"min": 1,
"max": 100
},
"smithy.api#uniqueItems": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
"type": "structure",
"members": {
"Name":
{
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the subscription. "
}
},
"Type": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS. "
}
},
"InstanceCount": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
"traits": {
"smithy.api#documentation": " The total amount of running instances using this subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " An object which details a discovered Linux subscription. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
"type": "list",

"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
"type": "string",
"traits": {
"smithy.api#enum": [

{
"name": "RedHat",
"value": "RedHat",
"documentation": "RedHat subscription provider namespace"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "ACTIVE",
"value": "ACTIVE",
"documentation": "ACTIVE status"
},
{
"name": "INVALID",
"value": "INVALID",

"documentation": "INVALID status"
},
{
"name": "PENDING",
"value": "PENDING",

"documentation": "PENDING status"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
"type": "list",
"member": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Add metadata tags to the specified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "PUT",
"uri": "/tags/{resourceArn}"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {

"type": "structure",
"members":
{
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to which to add the specified \n\t\t\tmetadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to the Amazon Web Services resource. Tags are \n\t\t\tformatted as key value pairs. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
      "type": "structure",
      "members": {
        "message": {
          "target": "smithy.api#String"
        }
      },
      "traits": {
        "smithy.api#documentation":
 "<p>The request was denied due to request throttling.</p>",
        "smithy.api#error": "client"
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
        },
        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
        }
      ],
      "traits": {
        "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web
Services resource.</p>",
         "smithy.api#http": {
          "method": "DELETE",
          "uri": "/tags/{resourceArn}"
        },
        "smithy.api#idempotent": {}
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
      "type": "structure",
      "members": {
        "resourceArn": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
          "traits": {
            "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to remove the metadata tags from.</p>",
```

"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"tagKeys": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
"traits": {

"smithy.api#documentation": " A list of metadata tag keys to remove from the requested \n\t\t\tresource. ",
"smithy.api#httpQuery": "tagKeys",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"

},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates the service settings for Linux subscriptions. ",

```
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/UpdateServiceSettings"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
                    "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
                    "smithy.api#required": {}
                }
            },
            "LinuxSubscriptionsDiscoverySettings": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
                "traits": {
                    "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The
settings include if Organizations\n      integration has been enabled, and which Regions data will be aggregated
from.</p>",
                    "smithy.api#required": {}
                }
            },
            "AllowUpdate": {
                "target":
 "smithy.api#Boolean",
                "traits": {
                    "smithy.api#documentation": "<p>Describes if updates are allowed to the service settings for Linux
subscriptions. If you\n      allow updates, you can aggregate Linux subscription data in more than one home
Region.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
                    "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
                }
            },
            "LinuxSubscriptionsDiscoverySettings": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}

},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The provided input is not valid. Try your request again. ",
"smithy.api#error": "client"
}
}
}
}

// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string
```

```
 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err !=
 nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
```

```
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil
 {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
```

```
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
DeleteLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
GetLicense
 Initialize stack step
  RegisterServiceMetadata
```

```
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
```

```
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
```

```
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
```

```
if err != nil {
 return
err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return
err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
```

```
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
```

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```
package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}
```

```
type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if
```

```
err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil
{
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
```

```
 return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
 }
}
```

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```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
```

```
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}
```

```
type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack,
 options, "ListLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
```

```
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
```

```
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:
     ServiceID,
  OperationName: "ListLicenses",
 }
}
CheckInLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
```

```
{
  "smithy": "2.0",
  "shapes": {
    "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
      "type": "structure",
      "members": {
        "message": {
          "target": "smithy.api#String"
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
        "smithy.api#error": "client"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
      "type": "structure",
      "members": {
        "DirectoryId": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation":
"<p>Details about an Active Directory identity provider.</p>"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
```

```
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Associates the user to an EC2 instance to utilize user-based
subscriptions.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related
costs will take 48\n        hours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing
status) in Amazon Web Services Billing. For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n
        monthly charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/AssociateUser"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the
 EC2 instance, which provides user-based subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
```

```
            "traits": {
                "smithy.api#documentation": "<p>The identity provider of the user.</p>",
                "smithy.api#required": {}
            }
        },
        "Domain": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The domain name of the user.</p>"
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
    "type": "structure",
    "members": {
        "InstanceUserSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
             "traits": {
                "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
                "smithy.api#required": {}
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
    "type": "integer"
},
"com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
    "type": "structure",
    "members": {
        "message": {
            "target": "smithy.api#String"
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>The request couldn't be completed because it conflicted with the current
state of the\n      resource.</p>",
        "smithy.api#error": "server"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider":
 {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
    },
    "output": {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deregisters the identity provider from providing user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/DeregisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",

```
            "traits": {
                "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                "smithy.api#required": {}
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
    "type": "structure",
    "members": {
        "IdentityProviderSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
            "traits": {
                "smithy.api#documentation":
"<p>Metadata that describes the results of an identity provider operation.</p>",
                "smithy.api#required": {}
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
         },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Disassociates the user from an EC2 instance providing user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/DisassociateUser"
},
"smithy.api#idempotent": {}
}

},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
        "type": "structure",
        "members": {
            "InstanceUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },

"com.amazonaws.licensemanagerusersubscriptions#Filter": {
        "type": "structure",
        "members": {
            "Attribute": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of an attribute to use as a filter.</p>"
                }
            },
            "Operation": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The type of search (For example, eq, geq, leq)</p>"
                }
            },
            "Value": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Value of the filter.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A filter name and value pair that is used
to return more specific results from a describe\n      operation. Filters can be used to match a set of resources by
specific criteria, such as tags,\n      attributes, or IDs.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#FilterList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
        }
    },
```

```
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
        "type": "union",
        "members": {
            "ActiveDirectoryIdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that details an Active Directory identity provider.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>Details about an identity provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Settings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
                "traits": {
                    "smithy.api#documentation": "<p>An object that details the registered identity providers product
related configuration\n      settings such as the subnets to provision VPC endpoints.</p>",
                    "smithy.api#required":
 {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of an identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
```

```
            "FailureMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The failure message associated with an identity provider.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>Describes an identity provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status
 of an EC2 instance resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "Products": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
                    "smithy.api#required": {}
                }
            },
            "LastStatusCheckDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The date of the last status check.</p>"
```

```
                }
            },
            "StatusMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
                }

        }
            },
            "traits": {
                "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
            }
        },
        "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {
            "type": "list",
            "member": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
            }
        },
        "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
            "type": "structure",
            "members": {
                "Username": {
                    "target": "smithy.api#String",
                    "traits": {
                        "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                        "smithy.api#required": {}
                    }
                },
                "InstanceId": {
                    "target": "smithy.api#String",
                    "traits":
 {
                        "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                        "smithy.api#required": {}
                    }
                },
                "IdentityProvider": {
                    "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                    "traits": {
                        "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                        "smithy.api#required": {}
                    }
                },
                "Status": {
                    "target": "smithy.api#String",
```

"traits": {
"smithy.api#documentation": " The status of a user associated with an EC2 instance. ",
"smithy.api#required": {}
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for users of an EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},
"AssociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was associated with an EC2 instance. "
}
},
"DisassociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was disassociated from an EC2 instance. "
}
}

},
"traits": {
"smithy.api#documentation": " Describes users of an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}

```
        },
        "traits": {
            "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
            "smithy.api#error": "server"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
        "type": "service",

     "version": "2018-05-10",
        "operations": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"

},
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
            }
        ],
        "traits": {
            "aws.api#service": {
```

"sdkId": "License Manager User Subscriptions",
"arnNamespace": "license-manager-user-subscriptions",
"cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
},
"aws.auth#sigv4": {
"name": "license-manager-user-subscriptions"
},
"aws.protocols#restJson1": {},
"smithy.api#cors": {
"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id",
"content-length",
"x-api-key",
"authorization",
"x-amz-date",
"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"

]
},
"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n a per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,

"documentation": "When true, use the dual-stack
endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}

},
"rules": [
{
"conditions": [
{
"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
]
}
],
"type": "tree",
"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"
},

true
]
}
],
"error": "Invalid Configuration: FIPS and custom endpoint are not supported",

```
                "type": "error"
            },
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            {
                                "ref": "UseDualStack"
                            },
                            true
                        ]
                    }
                ],

"error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                "type": "error"
            },
            {
                "conditions": [],
                "endpoint": {
                    "url": {
                        "ref": "Endpoint"
                    },
                    "properties": {},
                    "headers": {}
                },
                "type": "endpoint"
            }
        ]
    },
    {
        "conditions": [
            {
                "fn": "isSet",
                "argv": [

{
                        "ref": "Region"
                    }
                ]
            }
        ],
        "type": "tree",
        "rules": [
            {
                "conditions": [
                    {
```

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                "fn": "aws.partition",
                "argv": [
                  {
                    "ref": "Region"
                  }
                ],
                "assign": "PartitionResult"
              }
            ],
            "type": "tree",

      "rules": [
              {
                "conditions": [
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      {
                        "ref": "UseFIPS"
                      },
                      true
                    ]
                  },
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      {
                        "ref": "UseDualStack"

                      },
                      true
                    ]
                  }
                ],
                "type": "tree",
                "rules": [
                  {
                    "conditions": [
                      {
                        "fn": "booleanEquals",
                        "argv": [
                          true,
                          {
                            "fn": "getAttr",

"argv": [
                                  {
                                    "ref": "PartitionResult"
```

```
                                    },
                                    "supportsFIPS"
                                ]
                            }
                        ]
                    },
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {

"fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsDualStack"
                                ]
                            }
                        ]
                    }
                ],
                "type": "tree",
                "rules": [
                    {

"conditions": [],
                        "endpoint": {
                            "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                            "properties": {},
                            "headers": {}
                        },
                        "type": "endpoint"
                    }
                ]
            },
            {
                "conditions": [],
                "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
                 "type": "error"
            }
        ]
    },
    {
        "conditions": [
```

```
                    {
                      "fn": "booleanEquals",
                      "argv": [
                        {
                          "ref": "UseFIPS"
                        },
                        true
                      ]
                    }
                  ],
                  "type": "tree",

        "rules": [
                    {
                      "conditions": [
                        {
                          "fn": "booleanEquals",
                          "argv": [
                            true,
                            {
                              "fn": "getAttr",
                              "argv": [
                                {
                                  "ref": "PartitionResult"
                                },
                                "supportsFIPS"

                          ]
                            }
                          ]
                        }
                      ],
                      "type": "tree",
                      "rules": [
                        {
                          "conditions": [],
                          "endpoint": {
                            "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
                            "properties": {},
                            "headers": {}

            },
                          "type": "endpoint"
                        }
                      ]
                    },
                    {
```

"conditions": [],
"error": "FIPS is enabled but this partition does not support FIPS",
"type": "error"
}
]
},
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseDualStack"
},
true
]
}
],
"type": "tree",
"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
true,
{

"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsDualStack"
]
}
]
}
],
"type": "tree",
"rules": [
{

"conditions": [],
"endpoint": {
"url": "https://license-manager-user-subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},

"headers": {}
},
"type": "endpoint"
}
]
},
{
"conditions": [],
"error": "DualStack is enabled but this partition does not support DualStack",
"type": "error"
}
]
},
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-user-subscriptions.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
}
]
},
{
"conditions": [],
"error": "Invalid Configuration: Missing Region",
"type": "error"
}
]
},
"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,

"UseDualStack": true
}
},
{
"documentation":
"For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
}
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
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{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with
FIPS enabled and DualStack enabled",
"expect": {

"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},

"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",

"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1
with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {

"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect":
{
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack":
true
}
},

{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but
this partition does not support one or both"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}

},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true

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            }
        },
        {
            "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
                }
            },
             "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://example.com"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
            }
        },
        {

"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://example.com"
                }
            },
            "params": {
                "UseFIPS": false,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
            }
        },
        {
            "documentation": "For custom endpoint with fips enabled and dualstack disabled",
            "expect": {
                "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
            },
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                "params": {
                    "Region": "us-east-1",
                     "UseFIPS": true,
                    "UseDualStack": false,
                    "Endpoint": "https://example.com"
                }
            },
            {
                "documentation": "For custom endpoint with fips disabled and dualstack enabled",
                "expect": {
                    "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
                },
                "params": {
                    "Region": "us-east-1",
                    "UseFIPS": false,
                    "UseDualStack": true,
                    "Endpoint": "https://example.com"
                }
            },
            {
                "documentation": "Missing region",
                "expect": {
                     "error": "Invalid Configuration: Missing Region"
                }
            }
        ],
        "version": "1.0"
    }
  }
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
  "type": "operation",
  "input": {
    "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
  },
  "output": {
    "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
  },
  "errors": [
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
```

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            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the identity providers for user-based subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/ListIdentityProviders"
            },
            "smithy.api#paginated":
{
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "IdentityProviderSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
        "type": "structure",
        "members": {
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse":
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```
{
        "type": "structure",
        "members": {
            "IdentityProviderSummaries": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the list identity providers operation.</p>",
                    "smithy.api#required": {}
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
         },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/instance/ListInstances"
            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "InstanceSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
        "type": "structure",
        "members": {
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                 "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
        "type":
 "structure",
        "members": {
            "InstanceSummaries": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the list instances operation.</p>"
```

```
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity
provider.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/user/ListProductSubscriptions"
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```
            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "ProductUserSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
        "type": "structure",
        "members": {
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name
of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
                "traits": {

 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those that match
one or\n      more sets of key-value pairs that you specify.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        }
```

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
      "type": "structure",
      "members": {
        "ProductUserSummaries": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
          "traits": {
            "smithy.api#documentation": "<p>Metadata that describes the list product subscriptions
operation.</p>"
          }
        },

     "NextToken": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
          "target":
 "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
```

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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/ListUserAssociations"
            },
            "smithy.api#paginated":
{
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "InstanceUserSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity
provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
                "traits": {
```

"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
"type": "structure",
"members": {
"InstanceUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list user association operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
"type": "structure",
"members": {

"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},

"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}

},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a product for a user. ",
"smithy.api#required": {}
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for a product for a user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},
"SubscriptionStartDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The
start date of a subscription. "
}
},
"SubscriptionEndDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The end date of a subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " The summary of the user-based subscription products for a user. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
"type": "list",
"member": {

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        "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
     },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
         },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/identity-provider/RegisterIdentityProvider"
        },
        "smithy.api#idempotent": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
    "type": "structure",
    "members": {
        "IdentityProvider": {
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"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings such as the\n subnets to provision VPC endpoints. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The resource couldn't be found. ",
"smithy.api#error": "client",
"smithy.api#httpError": 404

```
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
        "type": "string",

    "traits": {
            "smithy.api#length": {
                "min": 5,
                "max": 200
            },
            "smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The request failed because a service quota is exceeded.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Settings": {
        "type": "structure",
        "members": {
            "Subnets": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
                "traits": {
                    "smithy.api#documentation":
 "<p>The subnets defined for the registered identity provider.</p>",
                    "smithy.api#length": {
                        "min": 1
                    },
                    "smithy.api#required": {}
                }
            },
            "SecurityGroupId": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
                "traits": {
                    "smithy.api#documentation": "<p>A security group ID that allows inbound TCP port 1688
communication between resources in\n      your VPC and the VPC endpoint for activation servers.</p>",
                    "smithy.api#required": {}
                }
            }
        },
```

"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings such as the\n subnets to provision VPC endpoints, and the security group ID that
is associated with the VPC\n endpoints. The security group should permit inbound TCP port 1688 communication from resources\n in the VPC. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Starts a product subscription for a user with the specified identity provider. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing.
For more information, see Viewing your\n monthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,

```
            "method": "POST",
            "uri": "/user/StartProductSubscription"
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
        "type": "structure",
        "members": {
          "Username": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
              "smithy.api#required": {}
            }
          },
          "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
             "traits": {
              "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
              "smithy.api#required": {}
            }
          },
          "Product": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
              "smithy.api#required": {}
            }
          },
          "Domain": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The domain name of the user.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse": {
        "type": "structure",
         "members": {
          "ProductUserSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
            "traits": {
              "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
              "smithy.api#required": {}
            }
          }
```

```
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"

    },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Stops a product subscription for a user with the specified identity
provider.</p>",
             "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/StopProductSubscription"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
        "type": "structure",
        "members": {
            "Username": {
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"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required":
{}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation":
" Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String"
}
},

"com.amazonaws.licensemanagerusersubscriptions#Subnet": {
"type": "string",
"traits": {
"smithy.api#pattern": "subnet-[a-z0-9]{8,17}"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Subnets": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
"type": "structure",
"members": {
"message": {

"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request was denied because of request throttling. Retry the request. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],

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        "traits": {
            "smithy.api#documentation": "<p>Updates additional product configuration settings for the registered
identity\n      provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/UpdateIdentityProviderSettings"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                 "traits": {
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "UpdateSettings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
                "traits": {
                    "smithy.api#documentation": "<p>Updates the registered identity providers product related
configuration settings. You can\n      update any combination of settings in a single operation such as the:</p>\n
<ul>\n            <li>\n              <p>Subnets which you want to add to provision VPC endpoints.</p>\n            </li>\n
          <li>\n              <p>Subnets which you want to remove the VPC endpoints from.</p>\n            </li>\n
<li>\n              <p>Security group ID which permits traffic to the VPC endpoints.</p>\n            </li>\n        </ul>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
        "type": "structure",
        "members": {
            "IdentityProviderSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
                "traits": {
                    "smithy.api#required": {}
                }
```

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            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
        "type": "structure",
        "members": {
            "AddSubnets": {

             "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of one or more subnets in which License Manager will
create a VPC endpoint for products that\n      require connectivity to activation servers.</p>",
                    "smithy.api#required": {}
                }
            },
            "RemoveSubnets": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of one or more subnets to remove.</p>",
                    "smithy.api#required": {}
                }
            },
            "SecurityGroupId": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
                "traits": {
                    "smithy.api#documentation": "<p>A security group ID
 that allows inbound TCP port 1688 communication between resources in\n      your VPC and the VPC endpoints for
activation servers.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Updates the registered identity providers product related configuration
settings such as\n      the subnets to provision VPC endpoints.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A parameter is not valid.</p>",
            "smithy.api#error": "client"
        }
    }
```

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  }
}
{
  "smithy": "2.0",
  "metadata": {
    "suppressions": [
      {
        "id": "HttpMethodSemantics",
        "namespace": "*"
      },
      {
        "id": "HttpResponseCodeSemantics",
        "namespace": "*"
      },
      {
        "id": "PaginatedTrait",
        "namespace": "*"
      },
      {
        "id": "HttpHeaderTrait",
        "namespace": "*"
      },
      {
        "id": "HttpUriConflict",
        "namespace": "*"
      },
      {
        "id": "Service",
        "namespace": "*"
      }
    ]
  },
  "shapes": {
    "com.amazonaws.licensemanager#AWSLicenseManager": {
      "type": "service",
      "version": "2018-08-01",
      "operations": [
        {
          "target": "com.amazonaws.licensemanager#AcceptGrant"
        },

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          "target": "com.amazonaws.licensemanager#CheckInLicense"
        },
        {
          "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
        },
        {
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"target": "com.amazonaws.licensemanager#CheckoutLicense"
},
{
"target": "com.amazonaws.licensemanager#CreateGrant"
},
{
"target": "com.amazonaws.licensemanager#CreateGrantVersion"
},
{
"target": "com.amazonaws.licensemanager#CreateLicense"
},
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"target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
},
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"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseVersion"
},
{
"target": "com.amazonaws.licensemanager#CreateToken"
},
{
"target": "com.amazonaws.licensemanager#DeleteGrant"
},
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"target": "com.amazonaws.licensemanager#DeleteLicense"
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"target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#DeleteToken"
},
{
"target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

},
{
"target": "com.amazonaws.licensemanager#GetAccessToken"
},

{
"target": "com.amazonaws.licensemanager#GetGrant"
},
{
"target": "com.amazonaws.licensemanager#GetLicense"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseUsage"
},
{
"target": "com.amazonaws.licensemanager#GetServiceSettings"
},
{
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#ListDistributedGrants"
},
{
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
},
{
"target": "com.amazonaws.licensemanager#ListLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
},
{

```
      "target": "com.amazonaws.licensemanager#ListLicenseVersions"
    },
    {
      "target": "com.amazonaws.licensemanager#ListReceivedGrants"
    },
    {
      "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
    },
    {
      "target": "com.amazonaws.licensemanager#ListReceivedLicenses"
    },
    {
      "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
    },
    {
      "target": "com.amazonaws.licensemanager#ListResourceInventory"
    },
    {
      "target": "com.amazonaws.licensemanager#ListTagsForResource"
    },
    {
      "target": "com.amazonaws.licensemanager#ListTokens"
    },
    {
      "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
    },
    {
      "target": "com.amazonaws.licensemanager#RejectGrant"
    },
    {
      "target": "com.amazonaws.licensemanager#TagResource"
    },
    {
      "target": "com.amazonaws.licensemanager#UntagResource"
    },
    {
      "target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
    },
    {
      "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
    },
    {
      "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
    },
    {
      "target": "com.amazonaws.licensemanager#UpdateServiceSettings"
    }
  ],
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"traits": {
"aws.api#service": {
"sdkId": "License Manager",
"arnNamespace": "license-manager",
"cloudFormationName": "LicenseManager",
"cloudTrailEventSource": "licensemanager.amazonaws.com",
"endpointPrefix": "license-manager"
},
"aws.auth#sigv4": {
"name": "license-manager"
},
"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
},
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",

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            "type": "String"
        }
    },
    "rules": [
        {
            "conditions": [
                {
                    "fn": "isSet",
                    "argv": [
                        {
                            "ref": "Endpoint"
                        }
                    ]

            }
            ],
            "type": "tree",
            "rules": [
                {
                    "conditions": [
                        {
                            "fn": "booleanEquals",
                            "argv": [
                                {
                                    "ref": "UseFIPS"
                                },
                                true
                            ]
                        }
                    ],
                    "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                    "type": "error"
                },
                {

"conditions": [
                        {
                            "fn": "booleanEquals",
                            "argv": [
                                {
                                    "ref": "UseDualStack"
                                },
                                true
                            ]
                        }
                    ],
                    "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                    "type": "error"
```

```
            },
            {
                "conditions": [],
                "endpoint": {
                    "url": {
                        "ref": "Endpoint"
                    },
                    "properties": {},
                    "headers": {}
                },
                "type": "endpoint"
            }
        ]
    },
    {
        "conditions": [
            {
                "fn": "isSet",
                "argv": [
                    {
                        "ref": "Region"
                    }
                ]
            }
        ],
        "type": "tree",
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "aws.partition",
                        "argv": [
                            {
                                "ref": "Region"
                            }
                        ],
                        "assign": "PartitionResult"
                    }
                ],
                "type": "tree",
                "rules": [
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    {
                                        "ref":
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"UseFIPS"

```
                    },
                    true
                ]
            },
            {
                "fn": "booleanEquals",
                "argv": [
                    {
                        "ref": "UseDualStack"
                    },
                    true
                ]
            }
        ],
        "type": "tree",
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {
                                "fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsFIPS"
                                ]

                }
                        ]
                    },
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {
                                "fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
```

"supportsDualStack"

```
                                ]
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                    }
                ]
            }
        ],
        "type": "tree",
        "rules": [
            {
                "conditions": [],
                "endpoint": {
                    "url": "https://license-manager-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                    "properties": {},
                    "headers": {}

        },
                "type": "endpoint"
            }
        ]
    },
    {
        "conditions": [],
        "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
        "type": "error"
    }
]
},
{
    "conditions": [
        {
            "fn": "booleanEquals",

      "argv": [
                {
                    "ref": "UseFIPS"
                },
                true
            ]
        }
    ],
    "type": "tree",
    "rules": [
        {
            "conditions": [
                {
                    "fn": "booleanEquals",
                    "argv": [
                        true,
```

```
{
                "fn": "getAttr",
                "argv": [
                  {
                    "ref": "PartitionResult"
                  },
                  "supportsFIPS"
                ]
              }
            ]
          }
        ],
        "type": "tree",
        "rules": [

{
            "conditions": [],
            "endpoint": {
              "url": "https://license-manager-fips.{Region}.{PartitionResult#dnsSuffix}",
              "properties": {},
              "headers": {}
            },
            "type": "endpoint"
          }
        ]
      },
      {
        "conditions": [],
        "error": "FIPS is enabled but this
partition does not support FIPS",
        "type": "error"
      }
    ]
  },
  {
    "conditions": [
      {
        "fn": "booleanEquals",
        "argv": [
          {
            "ref": "UseDualStack"
          },
          true
        ]
      }
    ],
    "type": "tree",
```

```
                "rules": [
                  {
                    "conditions": [
                      {
                        "fn": "booleanEquals",
                        "argv": [
                          true,
                          {
                            "fn": "getAttr",
                            "argv": [
                              {
                                "ref": "PartitionResult"
                              },

"supportsDualStack"
                            ]
                          }
                        ]
                      }
                    ],
                    "type": "tree",
                    "rules": [
                      {
                        "conditions": [],
                        "endpoint": {
                          "url": "https://license-
manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
                          "properties": {},
                          "headers": {}

                },
                        "type": "endpoint"
                      }
                    ]
                  },
                  {
                    "conditions": [],
                    "error": "DualStack is enabled but this partition does not support DualStack",
                    "type": "error"
                  }
                ]
              },
              {
                "conditions": [],
                "endpoint": {
                  "url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
                   "properties": {},
                  "headers": {}
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                    },
                    "type": "endpoint"
                }
            ]
        }
    ]
},
{
    "conditions": [],
    "error": "Invalid Configuration: Missing Region",
    "type": "error"
}
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"smithy.rules#endpointTests": {
    "testCases": [
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            "documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
            "expect": {
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                    "url": "https://license-manager.af-south-1.amazonaws.com"
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            "params": {
                "Region": "af-south-1",
                "UseFIPS": false,
                "UseDualStack": false
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            "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
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                    "url": "https://license-manager.ap-east-1.amazonaws.com"
                }
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            "params": {
                "Region": "ap-east-1",
                "UseFIPS": false,
                "UseDualStack": false
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        },
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            "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-northeast-1.amazonaws.com"
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```
            }
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        "params": {
            "Region": "ap-northeast-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
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    {
        "documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.ap-northeast-2.amazonaws.com"
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        },
        "params": {
            "Region": "ap-northeast-2",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
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        "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.ap-northeast-3.amazonaws.com"
            }
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        "params": {
            "Region": "ap-northeast-3",
            "UseFIPS": false,
            "UseDualStack": false
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},
    {
        "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.ap-south-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "ap-south-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
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        {
          "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-southeast-1.amazonaws.com"

}
          },
          "params": {
            "Region": "ap-southeast-1",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
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          "documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-southeast-2.amazonaws.com"
            }
          },
          "params": {
            "Region": "ap-southeast-2",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
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"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-southeast-3.amazonaws.com"
            }
          },
          "params": {
            "Region": "ap-southeast-3",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
        {
          "documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ca-central-1.amazonaws.com"
            }
          },
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"params": {
"Region": "ca-central-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-central-1.amazonaws.com"
}
},
"params": {
"Region": "eu-central-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-north-1 with FIPS
disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-north-1.amazonaws.com"
}
},
"params": {
"Region": "eu-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-south-1.amazonaws.com"
}
},
"params": {
"Region":
"eu-south-1",
"UseFIPS": false,
"UseDualStack": false
}
},

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        {
          "documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
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            }
          },
          "params": {
            "Region": "eu-west-1",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
        {
          "documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
          "expect": {

          "endpoint": {
              "url": "https://license-manager.eu-west-2.amazonaws.com"
            }
          },
          "params": {
            "Region": "eu-west-2",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
        {
          "documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.eu-west-3.amazonaws.com"
            }
          },
          "params": {
            "Region": "eu-west-3",
            "UseFIPS": false,

"UseDualStack": false
          }
        },
        {
          "documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.me-south-1.amazonaws.com"
            }
          },
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"params": {
"Region": "me-south-1",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.sa-east-1.amazonaws.com"
}
},
"params": {
"Region": "sa-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}

},
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",

"expect": {
"endpoint": {
"url": "https://license-manager.us-east-2.amazonaws.com"
}

},
"params": {
"Region": "us-east-2",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-2.amazonaws.com"
}
},
"params": {
"Region": "us-east-2",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region
us-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-west-1.amazonaws.com"
}
},
"params": {

"Region": "us-west-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-west-2.amazonaws.com"
}
},
"params": {
"Region": "us-west-2",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",

"expect": {
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"url": "https://license-manager-fips.us-west-2.amazonaws.com"
}
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"params": {
"Region": "us-west-2",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,

"UseDualStack": true
}
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{
"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",

"expect": {
"endpoint": {
"url": "https://license-manager.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-northwest-1",
"UseFIPS": false,
"UseDualStack": false

}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",

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            "UseFIPS": true,
            "UseDualStack": true
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    },
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        "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
             }
        },
        "params": {
            "Region": "cn-north-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
            }
        },
        "params": {
            "Region": "cn-north-1",
            "UseFIPS": false,
            "UseDualStack": true
        }
    },

{
        "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-gov-east-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
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"url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation":
"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-west-1",
"UseFIPS": true,
"UseDualStack": false
}
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{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.api.aws"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true

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            }
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        {
            "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.us-gov-east-1.api.aws"
                }
            },
            "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": false,
                "UseDualStack": true
            }
        },
        {
            "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
                }
            },
            "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
            },
            "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": true,
                 "UseDualStack": true
            }
        },
        {
            "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
                }
            },
            "params": {
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"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
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{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled
but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},

{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
}

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                    },

          "params": {
                        "Region": "us-isob-east-1",
                        "UseFIPS": true,
                        "UseDualStack": false
                    }
                },
                {
                    "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
                    "expect": {
                        "error": "DualStack is enabled but this partition does not support DualStack"
                    },
                    "params": {
                        "Region": "us-isob-east-1",
                        "UseFIPS": false,
                        "UseDualStack": true
                    }
                },
                {
                    "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

    "expect": {
                        "endpoint": {
                            "url": "https://example.com"
                        }
                    },
                    "params": {
                        "Region": "us-east-1",
                        "UseFIPS": false,
                        "UseDualStack": false,
                        "Endpoint": "https://example.com"
                    }
                },
                {
                    "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
                    "expect": {
                        "endpoint": {
                            "url": "https://example.com"
                        }
                    },
                    "params": {
                        "UseFIPS": false,

        "UseDualStack": false,
                        "Endpoint": "https://example.com"
                    }
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                },
                {
                    "documentation": "For custom endpoint with fips enabled and dualstack disabled",
                    "expect": {
                        "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
                    },
                    "params": {
                        "Region": "us-east-1",
                        "UseFIPS": true,
                        "UseDualStack": false,
                        "Endpoint": "https://example.com"
                    }
                },
                {
                    "documentation": "For custom endpoint with fips disabled and dualstack enabled",
                    "expect": {
                        "error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
                    },
                    "params": {
                        "Region": "us-east-1",
                        "UseFIPS": false,
                        "UseDualStack": true,
                        "Endpoint": "https://example.com"
                    }
                },
                {
                    "documentation": "Missing region",
                    "expect": {
                        "error": "Invalid Configuration: Missing Region"
                    }
                }
            ],
            "version": "1.0"
        }
    }
},
"com.amazonaws.licensemanager#AcceptGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
    "output": {
        "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
    },
    "errors": [
        {
```

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            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"

}
      ],
      "traits": {
        "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
      }
    },
    "com.amazonaws.licensemanager#AcceptGrantRequest": {
      "type": "structure",
      "members": {
        "GrantArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#AcceptGrantResponse": {
      "type": "structure",
      "members": {
        "GrantArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>Grant
```

ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#AccessDeniedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
"httpResponseCode": 401
},
"smithy.api#documentation": " Access to resource denied. ",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
"type": "enum",
"members": {
"DISTRIBUTED_GRANTS_ONLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
}
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperation": {

"type": "enum",
"members": {
"CREATE_GRANT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateGrant"
}
},
"CHECKOUT_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutLicense"
}
},
"CHECKOUT_BORROW_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutBorrowLicense"
}
},
"CHECK_IN_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckInLicense"
}
},
"EXTEND_CONSUMPTION_LICENSE":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ExtendConsumptionLicense"
}
},
"LIST_PURCHASED_LICENSES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ListPurchasedLicenses"
}
},

"CREATE_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateToken"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperationList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#AllowedOperation"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max":
7
}
}
},
"com.amazonaws.licensemanager#Arn": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 2048
},
"smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
}
},
"com.amazonaws.licensemanager#ArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
}
},
"com.amazonaws.licensemanager#AuthorizationException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError":

{
"code": "AuthorizationFailure",
"httpResponseCode": 403
},
"smithy.api#documentation": " The Amazon Web Services user account does not have permission to perform the action. Check the IAM\n policy associated with this account. ",
"smithy.api#error": "client",
"smithy.api#httpError": 403
}
},
"com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
"type": "structure",
"members": {
"LastRunTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time that automated discovery last ran. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes automated discovery. "
}
},

"com.amazonaws.licensemanager#Boolean": {
"type": "boolean",
"traits": {
"smithy.api#default": false
}
},
"com.amazonaws.licensemanager#BorrowConfiguration": {
"type": "structure",
"members": {
"AllowEarlyCheckIn": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether early check-ins are allowed. ",
"smithy.api#required": {}
}
},
"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the borrow configuration, in minutes. ",
"smithy.api#required": {}
}
}

```
},
        "traits": {
            "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#BoxBoolean": {
        "type": "boolean"
    },
    "com.amazonaws.licensemanager#BoxInteger": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#BoxLong": {
        "type": "long"
    },
    "com.amazonaws.licensemanager#CheckInLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"

     },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
```

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseRequest":
{
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
        "type": "structure",
        "members":
{
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must
use the borrow consumption configuration.</p>",
                    "smithy.api#required": {}
                }
```

```
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
                    "smithy.api#required": {}
                }
            },
            "DigitalSignatureMethod": {
                "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
                "traits": {
                    "smithy.api#documentation": "<p>Digital signature method. The possible
 value is JSON Web Signature (JWS) algorithm PS384.\n        For more information, see <a
href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS</a>.</p>",
                    "smithy.api#required": {}
                }
            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
```

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},
"EntitlementsAllowed":
{
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " Allowed license entitlements. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout
is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout expires. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "
}
}
},

"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target":
"com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license. \n <note>\n If the
account that created the license is the same that is performing the check out, you must\n specify the account

as the beneficiary. \n </note>"
  }
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
  "type": "structure",
  "members": {
    "ProductSKU": {
      "target": "com.amazonaws.licensemanager#String",
      "traits": {
        "smithy.api#documentation": " Product
 SKU. ",
        "smithy.api#required": {}
      }
    },
    "CheckoutType": {
      "target": "com.amazonaws.licensemanager#CheckoutType",
      "traits": {
        "smithy.api#documentation": " Checkout type. ",
        "smithy.api#required": {}
      }
    },
    "KeyFingerprint": {
      "target": "com.amazonaws.licensemanager#String",
      "traits": {
        "smithy.api#documentation": " Key fingerprint identifying the license. ",
        "smithy.api#required": {}
      }
    },
    "Entitlements": {
      "target": "com.amazonaws.licensemanager#EntitlementDataList",
      "traits": {
        "smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
      }
    },
    "ClientToken": {
      "target": "com.amazonaws.licensemanager#ClientToken",
      "traits": {
        "smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request. ",
        "smithy.api#required": {}
      }
    },
    "Beneficiary": {
      "target": "com.amazonaws.licensemanager#String",
      "traits": {
        "smithy.api#documentation": " License beneficiary. "

```
            }
        },
        "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
            }
        }
    },
    "traits": {

   "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
    "type": "structure",
    "members": {
        "CheckoutType": {
            "target": "com.amazonaws.licensemanager#CheckoutType",
            "traits": {
                "smithy.api#documentation": "<p>Checkout type.</p>"
            }
        },
        "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License consumption token.</p>"
            }
        },
        "EntitlementsAllowed": {
            "target": "com.amazonaws.licensemanager#EntitlementDataList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
            }
        },
         "SignedToken": {
            "target": "com.amazonaws.licensemanager#SignedToken",
            "traits": {
                "smithy.api#documentation": "<p>Signed token.</p>"
            }
        },
        "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
            }
        },
        "IssuedAt": {
```

"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and
time at which the license checkout expires. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the checkout license. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutType": {
"type": "enum",
"members": {
"PROVISIONAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PROVISIONAL"
}
},
"PERPETUAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PERPETUAL"
}
}
}
},
"com.amazonaws.licensemanager#ClientRequestToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 36
}
}

```
    },
    "com.amazonaws.licensemanager#ClientToken": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 2048
            },
            "smithy.api#pattern": "^\\S+$"
        }
    },
    "com.amazonaws.licensemanager#ConflictException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "ConflictException",
                "httpResponseCode":
 409
            },
            "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 409
        }
    },
    "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
        "type": "structure",
        "members": {
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
                }
            },
            "ConsumedLicenses": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
                }
            }
        },
```

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"traits": {
            "smithy.api#documentation": "<p>Details about license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
        }
    },
    "com.amazonaws.licensemanager#ConsumptionConfiguration": {
        "type": "structure",
        "members": {
            "RenewType": {
                "target": "com.amazonaws.licensemanager#RenewType",
                "traits": {
                    "smithy.api#documentation": "<p>Renewal frequency.</p>"
                }
            },
            "ProvisionalConfiguration": {
                "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
                 }
            },
            "BorrowConfiguration": {
                "target": "com.amazonaws.licensemanager#BorrowConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
```

```
            {
                "target":
 "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of
license\n        entitlements with a specific Amazon Web Services account, an organization, or an\n
organizational unit (OU). For more
 information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>",
                    "smithy.api#required": {}

    }
            },
            "LicenseArn": {
```

"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Principals": {
"target": "com.amazonaws.licensemanager#PrincipalArnList",
"traits": {
"smithy.api#documentation": " The grant principals. You can specify one of the following as an Amazon Resource Name\n (ARN): \n \n \n An Amazon Web Services account, which includes only the account specified. \n \n \n \n \n An organizational unit (OU), which includes all accounts in the OU. \n \n \n \n \n An organization, which will include all accounts across your organization. \n \n ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations for the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}
},

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            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersion":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
             },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information,
see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",

  "smithy.api#required": {}
                }
            },
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>"
                }
            },
            "AllowedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                 "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "StatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status reason.</p>"
```

```
            }
        },
        "SourceVersion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Current version of the grant.</p>"
            }
        },
        "Options": {
            "target": "com.amazonaws.licensemanager#Options",
            "traits": {
                "smithy.api#documentation": "<p>The options specified for the grant.</p>"
            }
        }
    },
     "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersionResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>New version of the grant.</p>"
            }
        }
    },
    "traits":
{
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicense": {
    "type": "operation",
```

```
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Creates a license.</p>"
    }
},
"com.amazonaws.licensemanager#CreateLicenseConfiguration": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager. Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a \n        license must be associated with a host), and the number of licenses purchased and used.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the license configuration.</p>"
                }
            },
            "LicenseCountingType": {
                "target": "com.amazonaws.licensemanager#LicenseCountingType",
                "traits": {
                    "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
```

"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether hard or soft license enforcement is used. Exceeding a hard limit\n blocks the launch of new instances. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows. \n \n \n \n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> | <code>minimumCores</code>\n \n \n \n \n <code>Instances</code> dimension: <code>allowedTenancy</code> | \n <code>maximumCores</code> | <code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n \n
\n <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n <code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code>\n \n \n \n \n <code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n <code>honorVcpuOptimization</code> | \n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n \n The unit for <code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for <code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n <code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n <code>True</code> and <code>False</code>. "
}
},

"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the license configuration. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "

```
            }
          },
          "ProductInformationList": {
            "target": "com.amazonaws.licensemanager#ProductInformationList",
            "traits": {
              "smithy.api#documentation": "<p>Product information.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
{
        "type": "structure",
        "members": {
          "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
           },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {

                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting
the license type for.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information that identifies the license type you are converting
from. \n\n        For the structure of the source license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
                    "smithy.api#required": {}
                }
            },
            "DestinationLicenseContext":
 {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information that identifies the license type you are converting to.
For the structure of the destination license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
```

```
    }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
    "type": "structure",
    "members": {
        "LicenseConversionTaskId": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

   "traits": {
                "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
```

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a report generator. "
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"ReportGeneratorName":
{
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports to generate. The following report types an be generated: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}

}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",

"traits": {
"smithy.api#documentation": " Unique,
case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the new report
generator. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseRequest": {
"type": "structure",
"members": {
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}

},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product
name. ",
"smithy.api#required": {}
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits": {
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region for the license. ",
"smithy.api#required": {}

}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-
UTC format. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " License beneficiary. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},

```
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
    }
```

```
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
      "type": "structure",
      "members": {
        "LicenseArn": {
          "target":
"com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
            "smithy.api#required": {}
          }
        },
        "LicenseName": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>License name.</p>",
            "smithy.api#required": {}
          }
        },
        "ProductName": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Product name.</p>",
            "smithy.api#required": {}
          }
        },
        "Issuer": {
          "target": "com.amazonaws.licensemanager#Issuer",
          "traits":
{
            "smithy.api#documentation": "<p>License issuer.</p>",
            "smithy.api#required": {}
          }
        },
        "HomeRegion": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Home Region of the license.</p>",
            "smithy.api#required": {}
          }
        },
        "Validity": {
          "target": "com.amazonaws.licensemanager#DatetimeRange",
          "traits": {
            "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
            "smithy.api#required": {}
          }
```

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            },
            "LicenseMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license.</p>"
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements.</p>",
                    "smithy.api#required": {}
                }
            },
            "ConsumptionConfiguration": {
                "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n         running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n         usage.</p>",
                    "smithy.api#required": {}
                }
            },

   "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>",
                    "smithy.api#required": {}
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the license.</p>"
                }
            }
        },
        "traits": {
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"smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": " License ARN. "
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": " New version of the license. "
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": " License status. "
                }
            }
        },
        "traits": {
            "smithy.api#output":
{}
        }
    },
    "com.amazonaws.licensemanager#CreateToken": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateTokenRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateTokenResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },

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            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },

        {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n        <p>A refresh token is a JWT token used to get an access token. With an access token,\n        you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n        call License Manager to manage the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateTokenRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n        JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "RoleArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n        License Manager does not check whether the roles are in use.</p>"
                }
            },
            "ExpirationInDays": {
                "target": "com.amazonaws.licensemanager#Integer",
                "traits": {
                    "smithy.api#documentation": "<p>Token expiration, in days, counted from token creation. The default is 365 days.</p>"
                }
```

```
            },
            "TokenProperties": {
                "target": "com.amazonaws.licensemanager#MaxSize3StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Data specified by the caller to be included in the JWT token. The
data is mapped\n          to the amr claim of the JWT token.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateTokenResponse": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",

                "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>"
                }
            },
            "TokenType": {
                "target": "com.amazonaws.licensemanager#TokenType",
                "traits": {
                    "smithy.api#documentation": "<p>Token type.</p>"
                }
            },
            "Token": {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DateTime": {
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    "type": "timestamp"
  },
  "com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
      "Begin": {
          "target": "com.amazonaws.licensemanager#ISO8601DateTime",
        "traits": {
          "smithy.api#documentation": "<p>Start of the time range.</p>",
          "smithy.api#required": {}
        }
      },
      "End": {
        "target": "com.amazonaws.licensemanager#ISO8601DateTime",
        "traits": {
          "smithy.api#documentation": "<p>End of the time range.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
  },
  "com.amazonaws.licensemanager#DeleteGrant": {
    "type": "operation",
    "input": {
      "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
    },
    "output": {
      "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
     },
    "errors": [
      {
        "target": "com.amazonaws.licensemanager#AccessDeniedException"
      },
      {
        "target": "com.amazonaws.licensemanager#AuthorizationException"
      },
      {
        "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
      },
      {
        "target": "com.amazonaws.licensemanager#RateLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
      },
      {
```

"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes
the specified grant. "
}
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " The Status reason for the delete request. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the
grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}

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            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
```

"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license configuration. \n You cannot delete a license configuration that is in use. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
"type": "structure",
"members":
{
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

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            "smithy.api#documentation": "<p>ID of the license configuration.</p>",
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
      "type": "structure",
      "members": {},
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
       },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
          "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
          "target": "com.amazonaws.licensemanager#ValidationException"
```

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            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified report generator.</p>\n        <p>This action
deletes the report generator, which stops it from generating future reports.\n        The action cannot be reversed. It
has no effect on the previous reports from this generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to be
deleted.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {

 "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the license.</p>",
                    "smithy.api#required":
```

{}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseResponse": {
"type": "structure",
"members": {
"Status": {
"target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"DeletionDate": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date when the license is deleted. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"

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            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },

    {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenRequest": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}

      }
    },
    "com.amazonaws.licensemanager#DigitalSignatureMethod": {
        "type": "enum",
        "members": {
            "JWT_PS384": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "JWT_PS384"
                }
```

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            }
        }
    },
    "com.amazonaws.licensemanager#Entitlement": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement resource. Use only
if the unit is None.</p>"
                }
            },
            "MaxCount": {
                "target": "com.amazonaws.licensemanager#Long",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum entitlement count. Use if the unit is not None.</p>"
                }
            },
            "Overage": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether overages are allowed.</p>"
                }
            },
            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement unit.</p>",
                    "smithy.api#required": {}
                }
            },
            "AllowCheckIn": {
                "target":
"com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether check-ins are allowed.</p>"
                }
            }
        },
        "traits": {
```

"smithy.api#documentation": " Describes a resource entitled for use with a license. "
}
},
"com.amazonaws.licensemanager#EntitlementData": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement data name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement
data value. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementDataUnit",
"traits": {
"smithy.api#documentation": " Entitlement data unit. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Data associated with an entitlement resource. "
}
},
"com.amazonaws.licensemanager#EntitlementDataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#EntitlementData"
}
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Count"
}
},

"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},

"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"

}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"

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            }
        },
        "KILOBYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobytes/Second"
            }
        },
        "MEGABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Megabytes/Second"
            }
        },
        "GIGABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "Gigabytes/Second"
            }
        },
        "TERABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabytes/Second"
            }
        },
        "BITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Bits/Second"
            }
        },
        "KILOBITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobits/Second"
            }
        },
        "MEGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue":
"Megabits/Second"
            }
        },
        "GIGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
```

"smithy.api#enumValue": "Gigabits/Second"
}
},
"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Entitlement"
}
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The entitlement is not allowed. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#EntitlementUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"
}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target":
"smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}

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        },
        "KILOBYTES_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Kilobytes/Second"
          }
        },
        "MEGABYTES_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Megabytes/Second"
          }
        },
        "GIGABYTES_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Gigabytes/Second"
          }
        },
        "TERABYTES_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {

"smithy.api#enumValue": "Terabytes/Second"
          }
        },
        "BITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Bits/Second"
          }
        },
        "KILOBITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Kilobits/Second"
          }
        },
        "MEGABITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Megabits/Second"
          }
        },
        "GIGABITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Gigabits/Second"
```

```
            }
        },

    "TERABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabits/Second"
            }
        },
        "COUNT_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count/Second"
            }
        }
    }
},
"com.amazonaws.licensemanager#EntitlementUsage": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage name.</p>",
                "smithy.api#required": {}
            }
        },
        "ConsumedValue": {
            "target": "com.amazonaws.licensemanager#String",

        "traits": {
                "smithy.api#documentation": "<p>Resource usage consumed.</p>",
                "smithy.api#required": {}
            }
        },
        "MaxCount": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
            }
        },
        "Unit": {
            "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                "smithy.api#required": {}
            }
        }
```

```
        },
        "traits": {
            "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementUsageList":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementUsage"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumption": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
```

"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. ",
"smithy.api#required": {}

}
},
"DryRun": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,
"smithy.api#documentation": " Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},

"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license consumption expires. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#FailedDependencyException": {
"type": "structure",
"members": {
"Message": {

"target": "com.amazonaws.licensemanager#Message"
},
"ErrorCode": {
"target": "com.amazonaws.licensemanager#String"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FailedDependency",
"httpResponseCode": 424
},
"smithy.api#documentation":
" A dependency required to run the API is missing. ",
"smithy.api#error": "client",
"smithy.api#httpError": 424
}
},
"com.amazonaws.licensemanager#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#FilterName",
"traits": {
"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only
specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter
name and value pair that is used to return more specific results from a\n describe operation. Filters can be used
to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {

```
        "aws.protocols#awsQueryError": {
            "code": "FilterLimitExceeded",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#FilterList": {
    "type": "list",
     "member": {
        "target": "com.amazonaws.licensemanager#Filter"
    }
},
"com.amazonaws.licensemanager#FilterName": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#FilterValue",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#Filters": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Filter",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#GetAccessToken": {
    "type": "operation",
    "input": {
         "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
    },
    "errors": [
```

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
 tokens\n          are valid for one hour.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetAccessTokenRequest": {
        "type": "structure",
        "members": {
            "Token": {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "TokenProperties": {
                "target": "com.amazonaws.licensemanager#MaxSize3StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetAccessTokenResponse":
 {
        "type": "structure",
        "members": {
```

```
        "AccessToken": {
            "target": "com.amazonaws.licensemanager#TokenString",
            "traits": {
                "smithy.api#documentation": "<p>Temporary access token.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"

    },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
```

```
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
    "type": "structure",
    "members": {
        "Grant": {
            "target": "com.amazonaws.licensemanager#Grant",
            "traits": {
                "smithy.api#documentation": "<p>Grant details.</p>"
            }
        }
    },
    "traits": {

"smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"

},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license configuration. "

```
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits":
 {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurationId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
                }
            },
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
                }
            },
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>"
                 }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the license configuration.</p>"
                }
            },
            "LicenseCountingType": {
                "target": "com.amazonaws.licensemanager#LicenseCountingType",
```

```
            "traits": {
                "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
            }
        },
        "LicenseRules": {
            "target": "com.amazonaws.licensemanager#StringList",
            "traits": {
                "smithy.api#documentation": "<p>License rules.</p>"
            }
        },
        "LicenseCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",

           "traits": {
                "smithy.api#documentation": "<p>Number of available licenses.</p>"
            }
        },
        "LicenseCountHardLimit": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
                "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
            }
        },
        "ConsumedLicenses": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of licenses assigned to resources.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License configuration status.</p>"
            }

    },
        "OwnerAccountId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Account ID of the owner of the license configuration.</p>"
            }
        },
        "ConsumedLicenseSummaryList": {
            "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
            "traits": {
                "smithy.api#documentation": "<p>Summaries of the licenses consumed by resources.</p>"
            }
        },
```

"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When
true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

```
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {

 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the license type conversion task to retrieve information
on.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the license type conversion task.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the resources the license
conversion task is associated with.</p>"
```

```
            }
        },
        "SourceLicenseContext": {
            "target": "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
                "smithy.api#documentation": "<p>Information
about the license type converted from.</p>"
            }
        },
        "DestinationLicenseContext": {
            "target": "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
                "smithy.api#documentation": "<p>Information about the license type converted to.</p>"
            }
        },
        "StatusMessage": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
            "traits": {
                "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
            }
        },

  "StartTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
            }
        },
        "LicenseConversionTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
            }
        },
        "EndTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Time at which the license type conversion task was
completed.</p>"
            }
        }
    },
```

```
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

         },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
```

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. ",
"smithy.api#required":
{}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"ReportGenerator": {
"target": "com.amazonaws.licensemanager#ReportGenerator",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license configurations. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#input": {}
}

```
    },
    "com.amazonaws.licensemanager#GetLicenseResponse": {
        "type": "structure",
        "members": {
            "License": {
                "target": "com.amazonaws.licensemanager#License",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },

"com.amazonaws.licensemanager#GetLicenseUsage": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {

"target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
        }
```

```
    },
    "com.amazonaws.licensemanager#GetLicenseUsageRequest": {
      "type": "structure",
      "members": {
        "LicenseArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
      "type": "structure",
      "members": {
        "LicenseUsage": {
          "target":
"com.amazonaws.licensemanager#LicenseUsage",
          "traits": {
            "smithy.api#documentation": "<p>License usage details.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#GetServiceSettings": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsRequest": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "S3BucketArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Regional S3 bucket path for storing reports, license trail event data,
discovery data,\n        and so on.</p>"

  }
            },
            "SnsTopicArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>SNS topic configured to receive notifications from License
Manager.</p>"
                }
            },
            "OrganizationConfiguration": {
                "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether Organizations is integrated with License
Manager for\n        cross-account discovery.</p>"
                }
            },
            "EnableCrossAccountsDiscovery": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether cross-account discovery is enabled.</p>"
                }
```

```
        },
            "LicenseManagerResourceShareArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource share. The License
Manager management account \n        provides member accounts with access to this share.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#Grant": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {

 "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ParentArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Parent ARN.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>License ARN.</p>",
                    "smithy.api#required": {}
                }
            },
            "GranteePrincipalArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
```

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. ",
"smithy.api#required": {}
}
},
"GrantedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Granted operations. ",
"smithy.api#required": {}
}
},
"Options": {
"target": "com.amazonaws.licensemanager#Options",
"traits": {
"smithy.api#documentation": " The options specified for the grant. "
}
}
},
"traits": {
"smithy.api#documentation":

" Describes a grant. "
}
},
"com.amazonaws.licensemanager#GrantList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Grant"
}
},
"com.amazonaws.licensemanager#GrantStatus": {
"type": "enum",
"members": {
"PENDING_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_WORKFLOW"
}
},
"PENDING_ACCEPT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_ACCEPT"
}
},
"REJECTED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REJECTED"

}
},
"ACTIVE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ACTIVE"
}
},
"FAILED_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED_WORKFLOW"
}
},
"DELETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DELETED"
}

```
            },
            "PENDING_DELETE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_DELETE"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits":
{
                    "smithy.api#enumValue": "DISABLED"
                }
            },
            "WORKFLOW_COMPLETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WORKFLOW_COMPLETED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#GrantedLicense": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>"
                }

  },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product name.</p>"
                }
            },
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product SKU.</p>"
```

```
            }
        },
        "Issuer": {
            "target": "com.amazonaws.licensemanager#IssuerDetails",
            "traits": {
                "smithy.api#documentation": "<p>Granted license issuer.</p>"
            }
        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Home Region of the granted license.</p>"

         }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>Granted license status.</p>"
            }
        },
        "Validity": {
            "target": "com.amazonaws.licensemanager#DatetimeRange",
            "traits": {
                "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in
ISO8601-UTC format.</p>"
            }
        },
        "Beneficiary": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
            }
        },
        "Entitlements": {
            "target": "com.amazonaws.licensemanager#EntitlementList",
             "traits": {
                "smithy.api#documentation": "<p>License entitlements.</p>"
            }
        },
        "ConsumptionConfiguration": {
            "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
            }
        },
        "LicenseMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
```

```
            "traits": {
                "smithy.api#documentation": "<p>Granted license metadata.</p>"
            }
        },
        "CreateTime": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Creation time of the granted license.</p>"

  }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Version of the granted license.</p>"
            }
        },
        "ReceivedMetadata": {
            "target": "com.amazonaws.licensemanager#ReceivedMetadata",
            "traits": {
                "smithy.api#documentation": "<p>Granted license received metadata.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
    }
},
"com.amazonaws.licensemanager#GrantedLicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#GrantedLicense"
    }
},
"com.amazonaws.licensemanager#ISO8601DateTime":
{
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 50
        },
        "smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-
1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$"
    }
},
"com.amazonaws.licensemanager#Integer": {
    "type": "integer"
```

```
    },
    "com.amazonaws.licensemanager#InvalidParameterValueException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidParameterValueProvided",
                "httpResponseCode": 400
            },
            "smithy.api#documentation":
 "<p>One or more parameter values are not valid.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#InvalidResourceStateException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidResourceState",
                "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n        <p>For example, you cannot allocate a license to an instance in the process of shutting\n
down.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },

    "com.amazonaws.licensemanager#InventoryFilter": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the filter.</p>",
                    "smithy.api#required": {}
                }
```

```
        },
        "Condition": {
            "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
            "traits": {
                "smithy.api#documentation": "<p>Condition of the filter.</p>",
                "smithy.api#required": {}
            }
        },
        "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Value of the filter.</p>"
            }
        }

    },
    "traits": {
        "smithy.api#documentation": "<p>An inventory filter.</p>"
    }
  },
  "com.amazonaws.licensemanager#InventoryFilterCondition": {
    "type": "enum",
    "members": {
        "EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EQUALS"
            }
        },
        "NOT_EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "NOT_EQUALS"
            }
        },
        "BEGINS_WITH": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "BEGINS_WITH"
            }
        },
        "CONTAINS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "CONTAINS"
            }
        }
    }
```

```
    },
    "com.amazonaws.licensemanager#InventoryFilterList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#InventoryFilter"
        }
    },
    "com.amazonaws.licensemanager#Issuer": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer name.</p>",
                    "smithy.api#required": {}
                }
            },
            "SignKey": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key usage
 of sign and verify, \n        and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about the issuer of a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#IssuerDetails": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer name.</p>"
                }
            },
            "SignKey": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n        and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
                }
            },
            "KeyFingerprint": {
```

```
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Issuer key fingerprint.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Details associated with the issuer of a license.</p>"
    }
},
"com.amazonaws.licensemanager#License": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
        },
        "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {

       "smithy.api#documentation": "<p>License name.</p>"
            }
        },
        "ProductName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Product name.</p>"
            }
        },
        "ProductSKU": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Product SKU.</p>"
            }
        },
        "Issuer": {
            "target": "com.amazonaws.licensemanager#IssuerDetails",
            "traits": {
                "smithy.api#documentation": "<p>License issuer.</p>"
            }
        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Home Region of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " License metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " License creation time. "
}
},

```
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
    "type": "structure",
    "members": {
        "LicenseConfigurationId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
            }
        },
        "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
        },
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Name of the license configuration.</p>"
            }
        },
        "Description": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Description of the license configuration.</p>"
            }
        },
        "LicenseCountingType": {
            "target": "com.amazonaws.licensemanager#LicenseCountingType",
            "traits": {
                "smithy.api#documentation": "<p>Dimension to use to track the license inventory.</p>"
             }
        },
        "LicenseRules": {
            "target": "com.amazonaws.licensemanager#StringList",
            "traits": {
                "smithy.api#documentation": "<p>License rules.</p>"
```

```
            }
        },
        "LicenseCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
            }
        },
        "LicenseCountHardLimit": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
                "smithy.api#documentation": "<p>Number of available licenses as a hard limit.</p>"
            }
        },
        "DisassociateWhenNotFound": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
             "traits": {
                "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
            }
        },
        "ConsumedLicenses": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of licenses consumed. </p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Status of the license configuration.</p>"
            }
        },
        "OwnerAccountId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Account ID of the license configuration's owner.</p>"

        }
        },
        "ConsumedLicenseSummaryList": {
            "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
            "traits": {
                "smithy.api#documentation": "<p>Summaries for licenses consumed by various resources.</p>"
            }
        },
        "ManagedResourceSummaryList": {
            "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
```

"traits": {
"smithy.api#documentation": " Summaries for managed resources. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {

"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
}
},
"traits": {
"smithy.api#documentation": " A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
"type": "structure",
"members": {
"ResourceArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of server resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}

```
            },
            "AssociationTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {

    "smithy.api#documentation": "<p>Time when the license configuration was associated with the resource.</p>"
                }
            },
            "AmiAssociationScope": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes an association with a license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationStatus": {
        "type": "enum",
        "members":
{
            "AVAILABLE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "AVAILABLE"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DISABLED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationUsage": {
        "type": "structure",
        "members": {
            "ResourceArn": {
```

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits":
{
"smithy.api#documentation": " Type of resource. "
}
},
"ResourceStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the usage of a resource associated with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"

}
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfiguration"
}
},
"com.amazonaws.licensemanager#LicenseConversionContext": {

"type": "structure",
"members": {
"UsageOperation": {
"target": "com.amazonaws.licensemanager#UsageOperation",
"traits": {
"smithy.api#documentation": " The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\n \n "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {

"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " The ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource associated with the license type\n conversion task. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted from. "

```
            }
        },
        "DestinationLicenseContext": {
            "target":
 "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
                "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
            "traits": {
                "smithy.api#documentation": "<p>The status of the conversion task.</p>"
            }
        },
        "StatusMessage": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
            }
        },
        "StartTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation":
 "<p>The time the conversion task was started at.</p>"
            }
        },
        "LicenseConversionTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
            }
        },
        "EndTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
```

```
        "type": "string",
        "traits": {

       "smithy.api#length": {
            "min": 0,
            "max": 50
          },
          "smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
        }
      },
      "com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
        "type": "enum",
        "members": {
          "IN_PROGRESS": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "IN_PROGRESS"
            }
          },
          "SUCCEEDED": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "SUCCEEDED"
            }
          },
          "FAILED": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "FAILED"
            }
          }
        }
      },
      "com.amazonaws.licensemanager#LicenseConversionTasks":
  {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#LicenseConversionTask"
        }
      },
      "com.amazonaws.licensemanager#LicenseCountingType": {
        "type": "enum",
        "members": {
          "VCPU": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "vCPU"
            }
```

```
        },
        "INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Instance"
            }
        },
        "CORE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Core"
            }
        },
        "SOCKET": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "Socket"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
    "type": "enum",
    "members": {
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#License"
    }
},
"com.amazonaws.licensemanager#LicenseOperationFailure": {

    "type": "structure",
    "members": {
```

"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Resource type. "
}
},
"ErrorMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Error message. "
}
},
"FailureTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Failure time. "
}
},
"OperationName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the operation. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource. "
}
},
"OperationRequestedBy": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The requester is \"License Manager Automated Discovery\". "
}
},
"MetadataList": {

"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {

"smithy.api#documentation": " Reserved. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the failure of a license operation. "
}
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailure"
}
},
"com.amazonaws.licensemanager#LicenseSpecification": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Details for associating a license configuration with a resource. "
}
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseSpecification"
}
},
"com.amazonaws.licensemanager#LicenseStatus": {
"type": "enum",
"members": {
"AVAILABLE": {

"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"PENDING_AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_AVAILABLE"
}
},
"DEACTIVATED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DEACTIVATED"
}
},
"SUSPENDED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SUSPENDED"
}
},
"EXPIRED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EXPIRED"
}
},

"PENDING_DELETE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_DELETE"
}
},
"DELETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DELETED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseUsage": {
"type": "structure",
"members": {

"EntitlementUsages": {
"target": "com.amazonaws.licensemanager#EntitlementUsageList",
"traits": {
"smithy.api#documentation": " License entitlement usages. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the entitlement usage associated with a license. "

}
},
"com.amazonaws.licensemanager#LicenseUsageException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "LicenseUsageFailure",
"httpResponseCode": 412
},
"smithy.api#documentation": " You do not have enough licenses available to support a new resource launch. ",
"smithy.api#error": "client",
"smithy.api#httpError": 412
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"

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            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the resource associations for the
 specified license configuration.</p>\n        <p>Resource associations need not consume licenses from a license
configuration. \n        For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules).</p>"
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results
 to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
        "type": "structure",
```

"members": {
"LicenseConfigurationAssociations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license configuration. "
}
},
"NextToken": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants distributed for the specified license. "
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
"type": "structure",
"members": {
"GrantArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranteePrincipalARN</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n
\n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
"type": "structure",

"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",

"traits": {
"smithy.api#documentation": " Distributed grant details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license configuration operations that failed. "
}

```
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
      "type": "structure",
      "members": {
        "LicenseConfigurationArn": {
          "target": "com.amazonaws.licensemanager#String",
           "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
            "smithy.api#required": {}
          }
        },
        "MaxResults": {
          "target": "com.amazonaws.licensemanager#BoxInteger",
          "traits": {
            "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
      "type": "structure",
      "members": {
        "LicenseOperationFailureList": {
          "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
          "traits": {
            "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
```

```
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
        },

    "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configurations
 for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArns": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
```

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next
set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical
operators\n are supported: \n \n \n \n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n
\n <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>. \n
\n \n \n <code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
"type": "structure",
"members": {
"LicenseConfigurations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurations",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},

```
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
    "type": "structure",
    "members": {
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {

"smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
```

```
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>\n        Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n      </p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
        "type": "structure",
        "members": {
            "LicenseConversionTasks": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTasks",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configuration tasks for your
 account.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target":
```

"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the report generators for your account. "
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported:
\n \n \n \n <code>LicenseConfigurationArn</code>\n
\n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits":
{
"smithy.api#documentation": " Maximum number of results to return in a single call. "

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            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
        "type": "structure",
        "members": {
          "ReportGenerators": {
            "target": "com.amazonaws.licensemanager#ReportGeneratorList",
            "traits": {
              "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }

        }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
```

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Describes the license configurations for the specified resource. "
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a resource that has an associated license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {
"LicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " License configurations associated with a resource. "
}
},

```
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                "smithy.api#required": {}
```

```
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
        "type": "structure",
        "members": {
          "Licenses": {
            "target": "com.amazonaws.licensemanager#LicenseList",
            "traits": {
              "smithy.api#documentation": "<p>License details.</p>"
            }
          },

"NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenses": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListLicensesRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListLicensesResponse"
        },
```

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the licenses for your account. "
}
},
"com.amazonaws.licensemanager#ListLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>Beneficiary</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>Status</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token

for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicensesResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#LicenseList",
"traits": {
"smithy.api#documentation": " License details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

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            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target":
 "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the received license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
    <ul>\n        <li>\n            <p>\n                <code>ParentArn</code>\n            </p>\n        </li>\n
<li>\n            <p>\n                <code>GranteePrincipalArn</code>\n            </p>\n        </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
```

"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",
"traits": {
"smithy.api#documentation": " Lists the grants the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
"type": "structure",
"members": {
"GrantArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranterAccountId</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},

```
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
    "type": "structure",
    "members": {
        "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
             "traits": {
                "smithy.api#documentation": "<p>Received grant details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
         },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists received licenses.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {

    "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
```

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the licenses received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>Beneficiary</code>\n \n \n \n \n <code>ProductSKU</code>\n
\n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#GrantedLicenseList",
"traits": {
"smithy.api#documentation": " Lists the licenses the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>IssuerName</code>\n \n \n \n \n <code>Beneficiary</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
"type": "structure",

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    "members": {
      "Licenses": {
        "target": "com.amazonaws.licensemanager#GrantedLicenseList",
        "traits": {
          "smithy.api#documentation": "<p>Received license details.</p>"
        }
      },

      "NextToken": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
          "smithy.api#documentation": "<p>Token for the next set of results.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanager#ListResourceInventory": {
    "type": "operation",
    "input": {
      "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
    },
    "output": {
      "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
      {
        "target": "com.amazonaws.licensemanager#AccessDeniedException"
      },
      {
        "target": "com.amazonaws.licensemanager#AuthorizationException"
      },
      {
        "target": "com.amazonaws.licensemanager#FailedDependencyException"
      },
      {
        "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
      },
      {
        "target": "com.amazonaws.licensemanager#RateLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#ServerInternalException"
```

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListResourceInventoryRequest": {
        "type": "structure",
        "members": {
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                 "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#InventoryFilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n                    <code>account_id</code>
- The ID of the Amazon Web Services account that owns the resource.\n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n
            </li>\n            <li>\n                <p>\n                    <code>application_name</code> - The name of the
application. \n                Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n
    </li>\n            <li>\n                <p>\n                    <code>license_included</code> - The type of license included. \n
            Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n                Possible values
are <code>sql-server-enterprise</code> | \n                <code>sql-server-standard</code> | \n                <code>sql-
server-web</code> |  \n                <code>windows-server-datacenter</code>.</p>\n            </li>\n            <li>\n
    <p>\n                    <code>platform</code> - The platform of the resource.\n                Logical operators are
<code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n            </li>\n            <li>\n                <p>\n
        <code>resource_id</code> - The ID of the resource. \n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n                <p>\n
      <code>tag:<key></code> - The key/value combination of a tag assigned \n                to the resource. Logical
operators are <code>EQUALS</code> (single account) or\n                <code>EQUALS</code> |
<code>NOT_EQUALS</code> (cross account).</p>\n            </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
```

```
    "com.amazonaws.licensemanager#ListResourceInventoryResponse": {
      "type": "structure",
      "members": {
        "ResourceInventoryList": {
          "target": "com.amazonaws.licensemanager#ResourceInventoryList",
          "traits": {
            "smithy.api#documentation": "<p>Information
about the resources.</p>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#ListTagsForResource": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
         },
        {
          "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
      ],
      "traits": {
        "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
```

```
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
        "errors":
[
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists your tokens.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTokensRequest": {
        "type": "structure",
        "members": {
            "TokenIds": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {

                  "smithy.api#documentation": "<p>Token IDs.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
    <ul>\n        <li>\n        <p>\n        <code>LicenseArns</code>\n        </p>\n        </li>\n
</ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation":
 "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
```

```
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokensResponse": {
        "type": "structure",
        "members": {
            "Tokens": {
                "target": "com.amazonaws.licensemanager#TokenList",
                "traits": {
                    "smithy.api#documentation": "<p>Received token details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
```

```
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying license\n        consumption details by resource at a selected point in time. Use this action to audit the\n        current license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>resourceArn</code> - The ARN of the license configuration resource.\n                Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n                <p>\n                <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n                Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n                <p>\n                <code>resourceAccount</code> - The ID of the account that owns the resource. \n                Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n        </ul>"
                }
            }
```

```
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
        "type": "structure",
        "members": {

"LicenseConfigurationUsageList": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#Location": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#Long": {
        "type": "long"
    },
    "com.amazonaws.licensemanager#ManagedResourceSummary": {
        "type": "structure",
        "members": {
            "ResourceType":
{
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
                }
            },
            "AssociationCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
                }
            }
```

```
    },
    "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
    }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
    }
},
"com.amazonaws.licensemanager#MaxSize100": {

"type": "integer",
    "traits": {
        "smithy.api#range": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The key name.</p>"
            }
        },

"Value": {
            "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " The value. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes key/value pairs. "
}
},
"com.amazonaws.licensemanager#MetadataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Metadata"
}
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n \n \n As a grantor, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your organization. \n \n \n As a grantee, if the grantor creating the distributed grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n are activating the grant. \n \n \n <dl>\n <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n Use this value to activate a grant without replacing any member accounts\n active grants for the same product. \n </dd>\n <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n Use this value to activate a

grant and disable other active grants in any\n member accounts
for the same product. This action will also replace their\n previously activated grants with this activated grant. \n </dd>\n </dl>"
}
}
},
"traits": {
"smithy.api#documentation": " The options you can specify when you create a new version of a grant, such as activation\n override behavior. For more information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#OrganizationConfiguration": {
"type": "structure",
"members": {
"EnableIntegration": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,
"smithy.api#documentation": " Enables Organizations integration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Configuration information for Organizations. "
}
},
"com.amazonaws.licensemanager#PrincipalArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 1
}
}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Resource type. The possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a <code>ProductInformationFilterComparator</code> which is a logical operator, a <code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. \n The following filters and are supported when the resource type \n is <code>SSM_MANAGED</code>: \n \n \n \n <code>Application Name</code> - The name of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Publisher</code> - The publisher of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n \n \n \n \n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n \n \n <code>License Included</code> - The type of license included.\n Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are: <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n The following filters and logical operators are supported when the resource type\n is <code>RDS</code>: \n \n \n \n <code>Engine Edition</code> - The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>. \n \n \n \n <code>License Pack</code> - The license pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n <code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n \n ",
"smithy.api#required": {}
}
}
},

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    "traits": {
        "smithy.api#documentation": "<p>Describes product information for a license configuration.</p>"
    }
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
    "type": "structure",
    "members": {
        "ProductInformationFilterName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Filter name.</p>",
                "smithy.api#required": {}
            }
        },
        "ProductInformationFilterValue": {
            "target": "com.amazonaws.licensemanager#StringList",

      "traits": {
                "smithy.api#documentation": "<p>Filter value.</p>"
            }
        },
        "ProductInformationFilterComparator": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Logical operator.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes product information filters.</p>"
    }
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ProductInformationFilter"
    }
},
"com.amazonaws.licensemanager#ProductInformationList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ProductInformation"
     }
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
    "type": "structure",
    "members": {
```

"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the provisional configuration, in minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "RateLimitExceeded",
"httpResponseCode": 429
},
"smithy.api#documentation": " Too many requests have been submitted. Try again after a brief wait. ",
"smithy.api#error": "client",
"smithy.api#httpError": 429
}
},
"com.amazonaws.licensemanager#ReceivedMetadata": {
"type": "structure",
"members": {
"ReceivedStatus": {
"target": "com.amazonaws.licensemanager#ReceivedStatus",
"traits": {
"smithy.api#documentation": " Received status. "
}
},
"ReceivedStatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Received status reason. "
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",

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            "traits": {
                "smithy.api#documentation": "<p>Allowed operations.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
    }
},
"com.amazonaws.licensemanager#ReceivedStatus": {
    "type": "enum",
    "members": {
        "PENDING_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_WORKFLOW"
            }
        },
        "PENDING_ACCEPT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue":
"PENDING_ACCEPT"
            }
        },
        "REJECTED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "REJECTED"
            }
        },
        "ACTIVE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ACTIVE"
            }
        },
        "FAILED_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED_WORKFLOW"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
```

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        },
        "DISABLED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DISABLED"
            }
        },
        "WORKFLOW_COMPLETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "WORKFLOW_COMPLETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#RedirectException": {
    "type": "structure",
    "members": {
        "Location": {
            "target": "com.amazonaws.licensemanager#Location",
            "traits": {
                "smithy.api#httpHeader": "Location"
            }
        },
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 308
    }
},
"com.amazonaws.licensemanager#RejectGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#RejectGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#RejectGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
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            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#RejectGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}

  }
    },
    "com.amazonaws.licensemanager#RejectGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
```

"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#RenewType":
{
"type": "enum",
"members": {
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"WEEKLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Weekly"
}
},
"MONTHLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Monthly"
}
}
}
},
"com.amazonaws.licensemanager#ReportContext": {
"type": "structure",
"members": {
"licenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "
}
},
"period": {
"target": "com.amazonaws.licensemanager#ReportFrequencyType",

"traits": {
"smithy.api#documentation": " Time period between each report. The period can be daily, weekly, or monthly. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
"type": "enum",
"members": {
"DAY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DAY"
}
},
"WEEK": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WEEK"
}
},

"MONTH": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "MONTH"
}
}
}
},
"com.amazonaws.licensemanager#ReportGenerator": {
"type": "structure",
"members": {
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the report generator. "
}
},
"ReportType": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports that are generated. "
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " License
configuration type for this generator. "
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. "
}
},
"LastRunStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the last report generation attempt. "
}

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            },
            "LastRunFailureReason":
 {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
                }
            },
            "LastReportGenerationTime": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
                }
            },
            "ReportCreatorAccount": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report
generator.</p>"
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",

        "traits": {
                    "smithy.api#documentation": "<p>Description of the report generator.</p>"
                }
            },
            "S3Location": {
                "target": "com.amazonaws.licensemanager#S3Location",
                "traits": {
                    "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
                }
            },
            "CreateTime": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Time the report was created.</p>"
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
                }
```

}
},
"traits": {
"smithy.api#documentation": " Describe the details of a report generator. "
}
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ReportGenerator"
}
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}
}
},
"com.amazonaws.licensemanager#ReportType": {
"type": "enum",
"members": {
"LICENSE_CONFIGURATION_SUMMARY_REPORT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "LicenseConfigurationSummaryReport"
}

},
"LICENSE_CONFIGURATION_USAGE_REPORT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "LicenseConfigurationUsageReport"
}
}
}
},
"com.amazonaws.licensemanager#ReportTypeList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ReportType"
}
},
"com.amazonaws.licensemanager#ResourceInventory": {
"type": "structure",
"members": {

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            "ResourceId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "Platform": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform of the resource.</p>"
                }
            },
            "PlatformVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
                }
            },
            "ResourceOwningAccountId":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventoryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ResourceInventory"
        }
```

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},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "ResourceLimitExceeded",

         "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
     "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_INSTANCE"
            }
        },
        "EC2_HOST": {
            "target": "smithy.api#Unit",
            "traits": {
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"smithy.api#enumValue": "EC2_HOST"
}
},
"EC2_AMI": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_AMI"
}
},
"RDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "RDS"
}
},
"SYSTEMS_MANAGER_MANAGED_INSTANCE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
}
}
}
},
"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"com.amazonaws.licensemanager#ServerInternalException": {
"type": "structure",
"members": {
"Message": {

"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InternalError",
"httpResponseCode": 500
},
"smithy.api#documentation": " The server experienced an internal error. Try again. ",
"smithy.api#error": "server",
"smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanager#SignedToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 4096
}
}
},
"com.amazonaws.licensemanager#StatusReasonMessage": {
"type": "string",
"traits":
{
"smithy.api#length": {
"min": 0,
"max": 400
},
"smithy.api#pattern": "^[\\s\\S]+$"
}
},
"com.amazonaws.licensemanager#String": {
"type": "string"
},
"com.amazonaws.licensemanager#StringList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#String"
}
},
"com.amazonaws.licensemanager#Tag": {
"type": "structure",
"members": {
"Key": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Tag key. "

```
            }
          },
          "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation":
"<p>Tag value.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
        }
      },
      "com.amazonaws.licensemanager#TagKeyList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#String"
        }
      },
      "com.amazonaws.licensemanager#TagList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#Tag"
        }
      },
      "com.amazonaws.licensemanager#TagResource": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#TagResourceRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#TagResourceResponse"
        },
        "errors": [
          {
            "target":
"com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
```

```
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>One or more tags.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>"
                }
            },
```

"TokenType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Type of token generated. The supported value is <code>REFRESH_TOKEN</code>. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"ExpirationTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Token expiration time, in ISO8601-UTC format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",

```
        "member": {
            "target": "com.amazonaws.licensemanager#TokenData"
        }
    },
    "com.amazonaws.licensemanager#TokenString": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 4096
            },
            "smithy.api#pattern": "^\\S+$"
        }
    },
    "com.amazonaws.licensemanager#TokenType": {
        "type": "enum",
        "members": {
            "REFRESH_TOKEN": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REFRESH_TOKEN"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
{
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The digital signature method is unsupported. Try your request
again.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UntagResourceResponse"
        },
```

```
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Removes the specified tags from the specified license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#UntagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "TagKeys": {
                "target": "com.amazonaws.licensemanager#TagKeyList",
                "traits": {
                    "smithy.api#documentation": "<p>Keys identifying the tags to remove.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UntagResourceResponse": {
        "type": "structure",
        "members": {},
```

"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Modifies the attributes of an existing license configuration. "
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},

"LicenseConfigurationStatus": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
"traits": {
"smithy.api#documentation": " New status of the license configuration. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " New license rule. The only rule that you can add after you create a license\n configuration is licenseAffinityToHost. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",

"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits":
{
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},

```
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to update.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types are supported:</p>\n        <ul>\n            <li>\n                <p>License configuration report - Reports the number and details of consumed licenses for a license configuration.</p>\n            </li>\n            <li>\n                <p>Resource report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n            </li>\n        </ul>",
                    "smithy.api#required": {}
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
                    "smithy.api#documentation": "<p>The report context.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportFrequency": {
                "target": "com.amazonaws.licensemanager#ReportFrequency",
```

"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},

```
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },

            {
                "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
            },
            {
                "target": "com.amazonaws.licensemanager#LicenseUsageException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified
Amazon Web Services resource.</p>\n        <p>You can update the license specifications of AMIs, instances, and
hosts.\n        You cannot update the license specifications for launch templates and CloudFormation templates, \n
 as they send license configurations to the operation that creates the resource.</p>"
        }
    },

    "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services
resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "AddLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
                }
            },
            "RemoveLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation":
 "<p>ARNs of the license configurations to remove.</p>"
                }
```

```
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
         },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
    }
},
"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
    "type": "structure",
    "members": {
        "S3BucketArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
Manager information is stored. "
}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Enables integration with Organizations for cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Activates cross-account discovery. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UsageOperation": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
}
}
},
"com.amazonaws.licensemanager#ValidationException": {

"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The provided input is not valid. Try your request again. ",

"smithy.api#error": "client",
"smithy.api#httpError": 400
}
}
}
}

1.6846 fgprof 0.9.4

1.6846.1 Available under license :

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1.6847 aws-sdk-go-v2-internal-configsources 1.3.15

1.6847.1 Available under license :

name: License Scan

on: [pull_request]

```
jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
       uses: actions/checkout@v2
       with:
         path: new-ref
         fetch-depth: 0
     - name: Get Diff
       run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
     - name: Get Target Files
       run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
     - name: Checkout scancode
       uses: actions/checkout@v2
       with:
         repository: nexB/scancode-toolkit
         path: scancode-toolkit
         fetch-depth: 1
     - name: Set up Python ${{ matrix.python-version }}
        uses: actions/setup-python@v2
       with:
         python-version: ${{ matrix.python-version }}
     # ScanCode
     - name: Self-configure scancode
       working-directory: ./scancode-toolkit
       run: ./scancode --help
     - name: Run Scan code on target
       run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
     - name: Run Scan code on pr ref
       run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
     # compare
     - name: License test
       run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
```

are the same. Success."; exit 0; fi
CreateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
ListReceivedLicenses
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID

```
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
```

```
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}
```

```
type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }
```

```
if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack,
options); err != nil {
 return err
}
```

```
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
```

```
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.Entitlement

 // Home Region for the license.
 //
 // This member is required.
 HomeRegion *string

 // License issuer.
```

```
 //
 // This member is required.
 Issuer *types.Issuer

 // License name.
 //
 // This member is required.
 LicenseName *string

 // Product name.
 //
 // This member is required.
 ProductName *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // Date and time range during which the license is valid, in ISO8601-UTC format.
 //
 // This member is required.
 Validity *types.DatetimeRange

 // Information about
 the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}
```

```
func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if
 err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
```

```
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return
err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName:
 "CreateLicense",
 }
}
```

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {
```

```
 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
 err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
```

```
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil
 {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
```

```
 return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
CheckoutLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
```

RecordResponseTiming
RequestResponseLogger
DisassociateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckoutBorrowLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer

Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AssociateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash

```
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
```

```
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
   - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
```

```
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err
= smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
```

```
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string
```

```
 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
```

```
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}
```

```
type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err
```

```
 != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpGetLicenseValidationMiddleware(stack);
 err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
```

```
 return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
ListLicenses
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
```

Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AWS SDK for Go
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{
"smithy": "2.0",
"shapes": {
"com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
"type": "long"
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": "<p>Remove a third-party subscription provider from the Bring Your Own

License (BYOL) subscriptions \n\t\t\tregistered to your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/DeregisterSubscriptionProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the subscription provider resource to deregister. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of name to filter by. "
}
},
"Values": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " One or more values for the name to filter by. "
}
},
"Operator": {

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
"traits": {
"smithy.api#documentation": " An operator for filtering results. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Get details for a Bring Your Own License (BYOL) subscription that's registered to your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetRegisteredSubscriptionProvider"

```
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation":
 "<p>The Amazon Resource Name (ARN) of the BYOL registration resource to get details for.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) for the BYOL registration
resource specified in the request.</p>"
                }
            },
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

          "traits": {
                    "smithy.api#documentation": "<p>The subscription provider for the BYOL registration resource
specified \n\t\t\tin the request.</p>"
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the third-party access
secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request.</p>"
                }
            },
            "SubscriptionProviderStatus": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
                "traits": {
```

"smithy.api#documentation": " The status of the Linux subscription provider access token from the last \n\t\t\tsuccessful subscription data request. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The detailed message from your subscription provider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time License Manager retrieved subscription details \n\t\t\tfrom your registered third-party Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
"type": "operation",
"input": {
"target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions service settings for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",

"uri": "/subscription/GetServiceSettings"

},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
"type": "structure",
"members": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " Lists
the settings defined for Linux subscriptions discovery. The settings include if\n Organizations integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}
},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
        "type": "structure",
        "members": {
            "AmiId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
                }
            },
            "InstanceID": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
                }
            },
            "InstanceType": {
                "target": "smithy.api#String",
                "traits":
{
                    "smithy.api#documentation": "<p>The instance type of the resource.</p>"
                }
            },
            "AccountID": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The account ID which owns the instance.</p>"
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of the instance.</p>"
                }
            },
            "Region": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Region the instance is running in.</p>"
                }
            },
            "UsageOperation": {
                "target": "smithy.api#String",

    "traits": {
                    "smithy.api#documentation": "<p>The usage operation of the instance. For more information, see For
more information, see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-
```

subscriptions-usage-operation.html\">Usage\n operation values in the License Manager User Guide. "
}
},
"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the license subscription that the instance uses. "
}
},
"OsVersion": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The operating system software version that runs on your instance. "
}
},
"SubscriptionProviderCreateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp when you registered
the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses. "
}
},
"SubscriptionProviderUpdateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that the instance synced with the registered \n\t\t\tthird-party Linux subscription provider. "
}
},
"DualSubscription": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " Indicates that you have two different license subscriptions for \n\t\t\tthe same software on your instance. "
}
},
"RegisteredWithSubscriptionProvider": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " Indicates that your instance uses a BYOL license subscription from \n\t\t\ta third-party Linux subscription provider that you've registered with License Manager. "
}
}
},
"traits": {
"smithy.api#documentation": " Details discovered information about a running instance using Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
"type": "service",
"version": "2018-05-10",
"operations": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
},

```
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
    }
],
"traits": {
    "aws.api#service": {
        "sdkId": "License Manager Linux Subscriptions",
        "arnNamespace": "license-manager-linux-subscriptions",
        "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
    },
    "aws.auth#sigv4": {
        "name": "license-manager-linux-subscriptions"
    },
    "aws.protocols#restJson1": {},
    "smithy.api#cors": {
        "additionalAllowedHeaders": [
            "*",
            "content-type",
            "x-amz-content-sha256",
            "x-amz-user-agent",
            "x-amzn-platform-id",
            "x-amzn-trace-id"
        ],
        "additionalExposedHeaders": [
```

"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager,
you can discover and track your commercial Linux subscriptions on running\n Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
},
"rules": [
{
"conditions": [
{
"fn": "isSet",
"argv": [
{
"ref": "Endpoint"

```
                    }
                ]
            }
        ],
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            {
                                "ref": "UseFIPS"
                            },
                            true
                        ]
                    }

    ],
                "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                "type": "error"
            },
            {
                "conditions": [],
                "rules": [
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    {
                                        "ref": "UseDualStack"
                                    },
                                    true
                                ]

}
                        ],
                        "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                        "type": "error"
                    },
                    {
                        "conditions": [],
                        "endpoint": {
                            "url": {
                                "ref": "Endpoint"
                            },
                            "properties": {},
                            "headers": {}
```

```
                },
                "type": "endpoint"
            }
        ],
        "type": "tree"

    }
    ],
    "type": "tree"
},
{
    "conditions": [],
    "rules": [
        {
            "conditions": [
                {
                    "fn": "isSet",
                    "argv": [
                        {
                            "ref": "Region"
                        }
                    ]
                }
            ],
            "rules": [
                {
                    "conditions": [
                        {

    "fn": "aws.partition",
                            "argv": [
                                {
                                    "ref": "Region"
                                }
                            ],
                            "assign": "PartitionResult"
                        }
                    ],
                    "rules": [
                        {
                            "conditions": [
                                {
                                    "fn": "booleanEquals",
                                    "argv": [
                                        {

                                "ref": "UseFIPS"
                                        },
```

```
                true
            ]
        },
        {
            "fn": "booleanEquals",
            "argv": [
                {
                    "ref": "UseDualStack"
                },
                true
            ]
        }

],
        "rules": [
        {
            "conditions": [
                {
                    "fn": "booleanEquals",
                    "argv": [
                        true,
                        {
                            "fn": "getAttr",
                            "argv": [
                                {
                                    "ref": "PartitionResult"

},
                                "supportsFIPS"
                            ]
                        }
                    ]
                },
                {
                    "fn": "booleanEquals",
                    "argv": [
                        true,
                        {
                            "fn": "getAttr",
                            "argv": [

                            {
                                    "ref": "PartitionResult"
                                },
                                "supportsDualStack"
                            ]
                        }
                    ]
```

}
],
"rules": [
{
"conditions": [],

"rules": [
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
],

"type": "tree"
}
],
"type": "tree"
},
{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
],
"type": "tree"
},
{

"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"
},
true
]
}
],
"rules": [
{

"conditions": [
{

"fn": "booleanEquals",
"argv": [
{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsFIPS"
]
},
true

]
}
],
"rules": [
{
"conditions": [],
"rules": [
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",

"properties": {},
"headers": {}
},
"type": "endpoint"
}
],
"type": "tree"
}
],
"type": "tree"
},
{
"conditions": [],
"error": "FIPS is enabled
but this partition does not support FIPS",
"type": "error"
}
],
"type": "tree"

```
                    },
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    {
                                        "ref": "UseDualStack"
                                    },
                                    true

                ]
                            }
                        ],
                        "rules": [
                            {
                                "conditions": [
                                    {
                                        "fn": "booleanEquals",
                                        "argv": [
                                            true,
                                            {
                                                "fn": "getAttr",
                                                "argv": [
                                                    {

                                                        "ref": "PartitionResult"
                                                    },
                                                    "supportsDualStack"
                                                ]
                                            }
                                        ]
                                    }
                                ],
                                "rules": [
                                    {
                                        "conditions": [],
                                        "rules": [

        {
                                            "conditions": [],
                                            "endpoint": {
                                                "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                                "properties": {},
                                                "headers": {}
                                            },
                                            "type": "endpoint"
```

```
                                        }
                                    ],
                                    "type": "tree"

                        }
                                ],
                                "type": "tree"
                            },
                            {
                                "conditions": [],
                                "error": "DualStack is enabled but this partition does not support DualStack",
                                "type": "error"
                            }
                        ],
                        "type": "tree"
                    },
                    {
                        "conditions": [],
                        "rules": [
                            {
                                "conditions": [],
                                "endpoint": {
                                    "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
                                    "properties": {},
                                    "headers": {}
                                },
                                "type": "endpoint"
                            }
                        ],
                        "type": "tree"
                    }
                ],
                "type": "tree"
            }
        ],
        "type": "tree"
    },
    {
        "conditions": [],
        "error": "Invalid Configuration: Missing Region",
        "type": "error"
    }
],
"type": "tree"
}
]
},
```

"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"

}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{

"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"

}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true

```
            }
        },
        {
            "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
                }
            },
            "params": {
                "Region": "cn-north-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {

"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
                }
            },
            "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": true,
                "UseDualStack": true
            }
        },
        {
            "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
                }

         },
            "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": true,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
```

```
                }
            },
            "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": false,
                "UseDualStack": true
            }
        },
        {

"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
            },
            "params": {

        "Region": "us-iso-east-1",
                "UseFIPS": true,
                "UseDualStack": true
            }
        },
        {
            "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
                }
            },
            "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": true,
                "UseDualStack": false
            }
        },
        {
```

"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS":
false,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}

```
            },
            {
              "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
              "expect": {
                "error": "DualStack is enabled but this partition does not support DualStack"
              },
              "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": false,
                "UseDualStack": true
              }
            },
            {

             "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
                }
              },
              "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://example.com"
                }

        },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
            },
            {
              "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
              "expect": {
                "endpoint": {
                  "url": "https://example.com"
                }
```

```
                },
                "params": {
                    "UseFIPS": false,
                    "UseDualStack": false,
                    "Endpoint": "https://example.com"
                }
            },
            {

                "documentation": "For custom endpoint with fips enabled and dualstack disabled",
                "expect": {
                    "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
                },
                "params": {
                    "Region": "us-east-1",
                    "UseFIPS": true,
                    "UseDualStack": false,
                    "Endpoint": "https://example.com"
                }
            },
            {
                "documentation": "For custom endpoint with fips disabled and dualstack enabled",
                "expect": {
                    "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
                },
                "params": {

"Region": "us-east-1",
                    "UseFIPS": false,
                    "UseDualStack": true,
                    "Endpoint": "https://example.com"
                }
            },
            {
                "documentation": "Missing region",
                "expect": {
                    "error": "Invalid Configuration: Missing Region"
                }
            }
        ],
        "version": "1.0"
    }
  }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
  "type": "string",
  "traits": {
    "smithy.api#enum": [
```

```
                {
                    "name": "Enabled",
                    "value": "Enabled",
                    "documentation": "Enabled LinuxSubscriptionsDiscovery"

        },
                {
                    "name": "Disabled",
                    "value": "Disabled",
                    "documentation": "Disabled LinuxSubscriptionsDiscovery"
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
        "type": "structure",
        "members": {
            "SourceRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "OrganizationIntegration": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
                "traits": {
                    "smithy.api#documentation":
 "<p>Details if you have enabled resource discovery across your accounts in Organizations.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
        },
        "errors": [
            {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptionInstances"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Instances"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results by your specified criteria. \n \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the \n \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n \t<code>Value</code>, such as <code>us-west</code>. \n For each filter, you can specify one of the following values for the <code>Name</code> key \n \tto streamline results: \n \n \n \n <code>AccountID</code>\n \n \n \n \n <code>AmiID</code>\n \n \n \n \n <code>DualSubscription</code>\n \n \n \n \n <code>InstanceID</code>\n \n \n \n \n <code>InstanceType</code>\n \n \n \n \n <code>ProductCode</code>\n \n \n \n \n <code>Region</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>UsageOperation</code>\n \n \n \n For each filter, you can use

one of the following <code>Operator</code>
values to \n \t\tdefine the behavior of the filter: \n \n \n \n
<code>contains</code>\n \n \n \n \n
<code>equals</code>\n \n \n \n \n
<code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to
start paginating. This \n\tis the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
"type": "structure",
"members": {
"Instances": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
"traits": {
"smithy.api#documentation": " An array that contains instance objects. "
}
},
"NextToken": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects. "
}
}

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
             {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the Linux subscriptions that have been discovered. If you have
linked your\n      organization, the returned results will include data aggregated across your accounts in\n
Organizations.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListLinuxSubscriptions"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",

   "items": "Subscriptions"
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify. For example, you can filter by the name of\n
```

```
<code>Subscription</code> with an optional operator to see subscriptions that match,\n      partially match, or don't
match a certain subscription's name.</p>\n        <p>The valid names for this filter are:</p>\n        <ul>\n
<li>\n            <p>\n                <code>Subscription</code>\n            </p>\n          </li>\n        </ul>\n
<p>The
 valid Operators for this filter are:</p>\n        <ul>\n          <li>\n            <p>\n
<code>contains</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>equals</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>Notequal</code>\n            </p>\n          </li>\n        </ul>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis
 the nextToken from a previously truncated response.</p>",
                    "smithy.api#length": {
                        "min": 1,
                        "max": 16384
                    }
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
        "type": "structure",
        "members": {
            "Subscriptions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
                "traits": {
                    "smithy.api#documentation": "<p>An array that contains subscription objects.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                 "traits": {
                    "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects.</p>"
```

```
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
        "type": "operation",
        "input": {
            "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
        },
        "output": {
            "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>List Bring Your Own License (BYOL) subscription registration
resources for your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListRegisteredSubscriptionProviders"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "RegisteredSubscriptionProviders"
            }
        }

    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSources": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
"traits": {
"smithy.api#documentation": " To filter your results, specify which subscription providers to return \n\t\t\tin the list. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. ",
"smithy.api#range": {
"min": 1,
"max": 100
}
}

},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis the nextToken from a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
"type": "structure",
"members": {
"RegisteredSubscriptionProviders": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
"traits": {
"smithy.api#documentation": " The list of BYOL registration resources that fit the criteria \n\t\t\tyou specified in the request. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}

```
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse"
        },
        "errors": [
            {

     "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>List the metadata tags that are assigned to the \n\t\t\tspecified Amazon
Web Services resource.</p>",
            "smithy.api#http": {
                "method": "GET",
                "uri": "/tags/{resourceArn}"
            },
            "smithy.api#readonly": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                 "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource for which to
list metadata tags.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            }
        },
```

```
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags for the requested resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "EQUAL",
                    "value": "Equal",
                    "documentation": "Equal operator"
                },
                {
                    "name": "NOT_EQUAL",
                    "value": "NotEqual",
                    "documentation": "Not equal operator"
                },
                {
                    "name": "CONTAINS",
                    "value": "Contains",
                    "documentation": "Contains operator"
                }
            ],
            "smithy.api#length": {
                "min": 1,
                "max": 20
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
        "type": "string",
        "traits": {
```

"smithy.api#enum": [
{
"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled OrganizationIntegration"
},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled OrganizationIntegration"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
"type": "list",
"member": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Register the supported third-party subscription provider for your Bring Your Own License (BYOL) subscription. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/RegisterSubscriptionProvider"

```
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation": "<p>The supported Linux subscription provider to register.</p>",
                    "smithy.api#required": {}
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the secret where you've
stored your subscription provider's access token. For \n\t\t\tRHEL subscriptions managed through the
 Red Hat Subscription Manager (RHSM), the secret contains \n\t\t\tyour Red Hat Offline token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags to assign to your registered Linux subscription
provider \n\t\t\tresource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation":
 "<p>The Linux subscription provider that you registered.</p>"
                }
            },
            "SubscriptionProviderArn": {
                "target": "smithy.api#String",
                "traits": {
```

"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " Indicates the status of the registration action for the Linux subscription provider \n\t\t\tthat you requested. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "
}
},
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " A supported third-party Linux subscription provider. License Manager currently supports \n\t\t\tRed Hat subscriptions. "
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Secrets Manager secret that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is the offline token. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " Indicates the status of your registered Linux subscription provider access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions, \n\t\t\tthis is the status of the offline token. "

```
            }
        },
        "SubscriptionProviderStatusMessage": {
            "target": "smithy.api#String",
            "traits":
 {
                "smithy.api#documentation": "<p>A detailed message that's associated with your BYOL subscription
\n\t\t\tprovider token status.</p>"
            }
        },
        "LastSuccessfulDataRetrievalTime": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The timestamp from the last time that License Manager accessed
third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>A third-party provider for operating system (OS) platform software and
license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider,
License Manager can get subscription data from the registered provider.</p>"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
 {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "message": {
            "target": "smithy.api#String"
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Unable to find the requested Amazon Web Services resource.</p>",
        "smithy.api#error": "client"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
    "type": "string",
    "traits": {
        "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-
\\.]{0,63}:secret:[^/]{1,1023}$"
```

```
}
  },
  "com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
    "type": "string",
    "traits": {
      "smithy.api#enum": [
        {
          "name": "InProgress",
          "value": "InProgress",
          "documentation": "InProgress status"
        },
        {
          "name": "Completed",
          "value": "Completed",
          "documentation": "Completed status"
        },
        {
          "name": "Successful",
          "value": "Successful",
          "documentation": "Successful status"
        },
        {
          "name": "Failed",
          "value": "Failed",
          "documentation": "Failed status"
        }
      ]
    }
  },

  "com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
    "type": "list",
    "member": {
      "target": "smithy.api#String",
      "traits": {
        "smithy.api#length": {
          "min": 1,
          "max": 100
        }
      }
    },
    "traits": {
      "smithy.api#length": {
        "min": 1,
        "max": 100
      },
      "smithy.api#uniqueItems": {}
```

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
        "value": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
        "type": "structure",
        "members": {
            "Name":
{
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the subscription.</p>"
                }
            },
            "Type": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included
with Amazon EC2, Bring Your Own\n      Subscription model (BYOS), or from the Amazon Web Services
Marketplace. Certain subscriptions may use licensing from the\n      Amazon Web Services Marketplace as well as
OS licensing from Amazon EC2 or BYOS.</p>"
                }
            },
            "InstanceCount": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>The total amount of running instances using this
subscription.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>An object which details a discovered Linux subscription.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
        }
    },
```

"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
"type": "string",
"traits": {
"smithy.api#enum": [

{
"name": "RedHat",
"value": "RedHat",
"documentation": "RedHat subscription provider namespace"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "ACTIVE",
"value": "ACTIVE",
"documentation": "ACTIVE status"
},
{
"name": "INVALID",
"value": "INVALID",

"documentation": "INVALID status"
},
{
"name": "PENDING",
"value": "PENDING",
"documentation": "PENDING status"
}
]
}

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
      "type": "list",
      "member": {
        "target": "smithy.api#String"
      },
      "traits": {
        "smithy.api#length": {
          "min": 0,
          "max": 50
        },
        "smithy.api#sensitive": {}
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
       },
      "errors": [
        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
        },
        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
        },
        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
        }
      ],
      "traits": {
        "smithy.api#documentation": "<p>Add metadata tags to the specified Amazon Web Services
resource.</p>",
        "smithy.api#http": {
          "method": "PUT",
          "uri": "/tags/{resourceArn}"
        },
        "smithy.api#idempotent": {}
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
      "type": "structure",
      "members":
 {
        "resourceArn": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to which to add the specified \n\t\t\tmetadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to the Amazon Web Services resource. Tags are \n\t\t\tformatted as key value pairs. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
"type": "structure",
"members": {

```
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>The request was denied due to request throttling.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web
Services resource.</p>",
             "smithy.api#http": {
                "method": "DELETE",
                "uri": "/tags/{resourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
        "type": "structure",
        "members": {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to remove the metadata tags from.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
```

"tagKeys": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
"traits": {

"smithy.api#documentation": " A list of metadata tag keys to remove from the requested \n\t\t\tresource. ",
"smithy.api#httpQuery": "tagKeys",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"

},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates the service settings for Linux subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/UpdateServiceSettings"

```
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
                    "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
                    "smithy.api#required": {}
                }
            },
            "LinuxSubscriptionsDiscoverySettings": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
                "traits": {
                    "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The
settings include if Organizations\n      integration has been enabled, and which Regions data will be aggregated
from.</p>",
                    "smithy.api#required": {}
                }
            },
            "AllowUpdate": {
                "target":
 "smithy.api#Boolean",
                "traits": {
                    "smithy.api#documentation": "<p>Describes if updates are allowed to the service settings for Linux
subscriptions. If you\n      allow updates, you can aggregate Linux subscription data in more than one home
Region.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
                    "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
                }
            },
            "LinuxSubscriptionsDiscoverySettings": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
                "traits": {
                    "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The
settings include if Organizations\n      integration has been enabled, and which Regions data will be aggregated
```

from. "
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
                "traits": {
                    "smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
                "traits": {
                    "smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
                }

        },
            "HomeRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n   subscriptions. "
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": " The provided input is not valid. Try your request again. ",
            "smithy.api#error": "client"
        }
    }
  }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"

```
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus
```

```
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err !=
 nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
```

```
 return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil
 {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
```

```
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
DeleteLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
GetLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
```

```
 setOperationInput
 ResolveEndpoint
 OperationSerializer
Build stack step
 ClientRequestID
 ComputeContentLength
 UserAgent
 AddTimeOffsetMiddleware
 RecursionDetection
Finalize stack step
 ResolveAuthScheme
 GetIdentity
 ResolveEndpointV2
 disableHTTPS
 ComputePayloadHash
 Retry
 RetryMetricsHeader
 setLegacyContextSigningOptions
 Signing
Deserialize stack step
 AddRawResponseToMetadata
 ErrorCloseResponseBody
 CloseResponseBody
 ResponseErrorWrapper
 RequestIDRetriever
 OperationDeserializer
 AddTimeOffsetMiddleware
 RecordResponseTiming
 RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }
```

```
 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}
```

```
type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
```

```
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return
err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
```

```
 return err
 }
 if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
```

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```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
```

```
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if
 err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
```

```
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil
{
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
 }
}
```

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```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
```

```
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {
```

```
 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack,
 options, "ListLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
```

```
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}
```

```
func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:
     ServiceID,
  OperationName: "ListLicenses",
 }
}
CheckInLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
{
  "smithy": "2.0",
  "shapes": {
```

"com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " You don't have sufficient access to perform this action. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
"type": "structure",
"members": {
"DirectoryId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The directory ID for an Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation":
" Details about an Active Directory identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Associates the user to an EC2 instance to utilize user-based
subscriptions.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related
costs will take 48\n        hours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing
status) in Amazon Web Services Billing. For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n
        monthly charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/AssociateUser"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the
 EC2 instance, which provides user-based subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>The identity provider of the user.</p>",
```

"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request couldn't be completed because it conflicted with the current state of the\n resource. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
},

```
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deregisters the identity provider from providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/DeregisterIdentityProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
```

```
                "smithy.api#required": {}
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
    "type": "structure",
    "members": {
        "IdentityProviderSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
            "traits": {
                "smithy.api#documentation":
"<p>Metadata that describes the results of an identity provider operation.</p>",
                "smithy.api#required": {}
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
         },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/DisassociateUser"
            },
            "smithy.api#idempotent": {}
        }

    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation":
 "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
```

```
        "type": "structure",
        "members": {
          "InstanceUserSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
            "traits": {
              "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
              "smithy.api#required": {}
            }
          }
        }
      },

"com.amazonaws.licensemanagerusersubscriptions#Filter": {
        "type": "structure",
        "members": {
          "Attribute": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The name of an attribute to use as a filter.</p>"
            }
          },
          "Operation": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The type of search (For example, eq, geq, leq)</p>"
            }
          },
          "Value": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>Value of the filter.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>A filter name and value pair that is used
 to return more specific results from a describe\n      operation. Filters can be used to match a set of resources by
specific criteria, such as tags,\n      attributes, or IDs.</p>"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#FilterList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
        "type": "union",
```

"members": {
"ActiveDirectoryIdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
"traits": {
"smithy.api#documentation": " An object that details an Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation":
" Details about an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " An object that details the registered identity providers product
related configuration\n settings such as the subnets to provision VPC endpoints. ",
"smithy.api#required":
{}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of an identity provider. ",
"smithy.api#required": {}
}
},
"FailureMessage": {
"target": "smithy.api#String",

```
                "traits": {
                    "smithy.api#documentation": "<p>The failure message associated with an identity provider.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>Describes an identity provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status
 of an EC2 instance resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "Products": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
                    "smithy.api#required": {}
                }
            },
            "LastStatusCheckDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The date of the last status check.</p>"
                }
            },
```

"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for an EC2 instance. "
}

}
},
"traits": {
"smithy.api#documentation": " Describes an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based
subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a user associated with an EC2 instance. ",

"smithy.api#required": {}
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for users of an EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},
"AssociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was associated with an EC2 instance. "
}
},
"DisassociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was disassociated from an EC2 instance. "
}
}

},
"traits": {
"smithy.api#documentation": " Describes users of an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {

"smithy.api#documentation": " An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
"type": "service",

"version": "2018-05-10",
"operations": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"

},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
}
],
"traits": {
"aws.api#service": {
"sdkId": "License Manager User Subscriptions",
"arnNamespace": "license-manager-user-subscriptions",

"cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
},
"aws.auth#sigv4": {
"name": "license-manager-user-subscriptions"
},
"aws.protocols#restJson1": {},
"smithy.api#cors": {
"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id",
"content-length",
"x-api-key",
"authorization",
"x-amz-date",
"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"

]
},
"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n a per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack

endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}

},
"rules": [
{
"conditions": [
{
"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
]
}
],
"type": "tree",
"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"
},

true
]
}
],
"error": "Invalid Configuration: FIPS and custom endpoint are not supported",
"type": "error"

```
            },
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            {
                                "ref": "UseDualStack"
                            },
                            true
                        ]
                    }
                ],

"error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                "type": "error"
            },
            {
                "conditions": [],
                "endpoint": {
                    "url": {
                        "ref": "Endpoint"
                    },
                    "properties": {},
                    "headers": {}
                },
                "type": "endpoint"
            }
        ]
    },
    {
        "conditions": [
            {
                "fn": "isSet",
                "argv": [

{
                        "ref": "Region"
                    }
                ]
            }
        ],
        "type": "tree",
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "aws.partition",
```

```
                "argv": [
                  {
                    "ref": "Region"
                  }
                ],
                "assign": "PartitionResult"
              }
            ],
            "type": "tree",

        "rules": [
              {
                "conditions": [
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      {
                        "ref": "UseFIPS"
                      },
                      true
                    ]
                  },
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      {
                        "ref": "UseDualStack"

                      },
                      true
                    ]
                  }
                ],
                "type": "tree",
                "rules": [
                  {
                    "conditions": [
                      {
                        "fn": "booleanEquals",
                        "argv": [
                          true,
                          {
                            "fn": "getAttr",

    "argv": [
                                  {
                                    "ref": "PartitionResult"
                                  },
```

"supportsFIPS"
]
}
]
},
{
"fn": "booleanEquals",
"argv": [
true,
{

"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsDualStack"
]
}
]
}
],
"type": "tree",
"rules": [
{

"conditions": [],
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
},
{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
]
},
{
"conditions": [
{

```
                "fn": "booleanEquals",
                "argv": [
                  {
                    "ref": "UseFIPS"
                  },
                  true
                ]
              }
            ],
            "type": "tree",

        "rules": [
              {
                "conditions": [
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      true,
                      {
                        "fn": "getAttr",
                        "argv": [
                          {
                            "ref": "PartitionResult"
                          },
                          "supportsFIPS"

                 ]
                      }
                    ]
                  }
                ],
                "type": "tree",
                "rules": [
                  {
                    "conditions": [],
                    "endpoint": {
                      "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
                      "properties": {},
                      "headers": {}

            },
                    "type": "endpoint"
                  }
                ]
              },
              {
                "conditions": [],
```

```
                "error": "FIPS is enabled but this partition does not support FIPS",
                "type": "error"
            }
        ]
    },
    {
        "conditions": [
            {
                "fn": "booleanEquals",
                "argv": [
                    {
                        "ref": "UseDualStack"
                    },
                    true
                ]
            }
        ],
        "type": "tree",
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {

                                "fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsDualStack"
                                ]
                            }
                        ]
                    }
                ],
                "type": "tree",
                "rules": [
                    {

                        "conditions": [],
                        "endpoint": {
                            "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                            "properties": {},
                            "headers": {}
```

```
                                    },
                                    "type": "endpoint"
                                }
                            ]
                        },
                        {
                            "conditions": [],
                            "error": "DualStack is enabled but this partition does
not support DualStack",
                            "type": "error"
                        }
                    ]
                },
                {
                    "conditions": [],
                    "endpoint": {
                        "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
                        "properties": {},
                        "headers": {}
                    },
                    "type": "endpoint"
                }
            ]
        }
    ]
},
{
    "conditions":
[],
    "error": "Invalid Configuration: Missing Region",
    "type": "error"
}
]
},
"smithy.rules#endpointTests": {
    "testCases": [
        {
            "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": true
```

```
            }
        },
        {
            "documentation":
"For region us-east-1 with FIPS enabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
                }
            },

        "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": true
            }
        },
        {
            "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region cn-north-1 with
FIPS enabled and DualStack enabled",
            "expect": {
                "endpoint": {
```

"url": "https://license-manager-user-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},

"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,

"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1
with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {

"url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect":
{
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack":
true
}
},
{

"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but
this partition does not support one or both"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}

},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}

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        },
        {
          "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
            }
          },
           "params": {
            "Region": "us-isob-east-1",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
        {
          "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
          "expect": {
            "endpoint": {
              "url": "https://example.com"
            }
          },
          "params": {
            "Region": "us-east-1",
            "UseFIPS": false,
            "UseDualStack": false,
            "Endpoint": "https://example.com"
          }
        },
        {

"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
          "expect": {
            "endpoint": {
              "url": "https://example.com"
            }
          },
          "params": {
            "UseFIPS": false,
            "UseDualStack": false,
            "Endpoint": "https://example.com"
          }
        },
        {
          "documentation": "For custom endpoint with fips enabled and dualstack disabled",
          "expect": {
            "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
          },
          "params": {
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"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the identity providers for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/ListIdentityProviders"
},
"smithy.api#paginated":
{
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "IdentityProviderSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse":
{
"type": "structure",

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    "members": {
      "IdentityProviderSummaries": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
        "traits": {
          "smithy.api#documentation": "<p>Metadata that describes the list identity providers operation.</p>",
          "smithy.api#required": {}
        }
      },
      "NextToken": {
        "target": "smithy.api#String",
        "traits": {
          "smithy.api#documentation": "<p>Token for the next set of results.</p>"
        }
      }
    }
  },
  "com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
    "type": "operation",
    "input": {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
    },
    "output": {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
    },
    "errors": [
      {
        "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
      },
      {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
      },
      {
        "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
      },
      {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
      },
      {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
      },
      {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
      },
      {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
      }
    ],
    "traits": {
```

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            "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/instance/ListInstances"
            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "InstanceSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
        "type": "structure",
        "members": {
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                 "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
        "type":
 "structure",
        "members": {
            "InstanceSummaries": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the list instances operation.</p>"
                }
            },
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"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the user-based subscription products available from an identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListProductSubscriptions"
},
"smithy.api#paginated": {

"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "ProductUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
"type": "structure",
"members": {
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name
of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {

"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match
one or\n more sets of key-value pairs that you specify. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {

"type": "structure",
"members": {
"ProductUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions operation. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/ListUserAssociations"
            },
            "smithy.api#paginated":
 {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "InstanceUserSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity
 provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify.</p>"
```

```
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for
the next set of results.</p>"
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
    "type": "structure",
    "members": {
        "InstanceUserSummaries": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
            "traits": {
                "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
    "type": "structure",
    "members": {

    "Username": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
                "smithy.api#required": {}
            }
        },
        "Product": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                "smithy.api#required": {}
            }
        },
        "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
```

"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}

},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a product for a user. ",
"smithy.api#required": {}
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for a product for a user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},
"SubscriptionStartDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The
start date of a subscription. "
}
},
"SubscriptionEndDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The end date of a subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " The summary of the user-based subscription products for a user. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
}

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},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/identity-provider/RegisterIdentityProvider"
        },
        "smithy.api#idempotent": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
    "type": "structure",
    "members": {
        "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
```

"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings such as the\n subnets to provision VPC endpoints. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The resource couldn't be found. ",
"smithy.api#error": "client",
"smithy.api#httpError": 404
}
},

"com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
"type": "string",

"traits": {
"smithy.api#length": {
"min": 5,
"max": 200
},
"smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request failed because a service quota is exceeded. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Settings": {
"type": "structure",
"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation":
" The subnets defined for the registered identity provider. ",
"smithy.api#length": {
"min": 1
},
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688
communication between resources in\n your VPC and the VPC endpoint for activation servers. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings

such as the\n subnets to provision VPC endpoints, and the security group ID that
is associated with the VPC\n endpoints. The security group should permit inbound TCP port 1688
communication from resources\n in the VPC. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Starts a product subscription for a user with the specified identity
provider. \n <note>\n Your estimated bill for charges on the number of users and related costs
will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status)
in Amazon Web Services Billing.
For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n monthly
charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StartProductSubscription"

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            }
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    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                 "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse": {
        "type": "structure",
         "members": {
            "ProductUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
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"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
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"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
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"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"

},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Stops a product subscription for a user with the specified identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StopProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
"type": "structure",
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"Username": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
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"smithy.api#required":
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"smithy.api#required": {}
}
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"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
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"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
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"smithy.api#documentation":
" Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
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"com.amazonaws.licensemanagerusersubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String"
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"com.amazonaws.licensemanagerusersubscriptions#Subnet": {
"type": "string",

"traits": {
"smithy.api#pattern": "subnet-[a-z0-9]{8,17}"
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"com.amazonaws.licensemanagerusersubscriptions#Subnets": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
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"com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
"type": "structure",
"members": {
"message": {

"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request was denied because of request throttling. Retry the request. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
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"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
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"errors": [
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"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates additional product configuration settings for the registered

identity\n provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/UpdateIdentityProviderSettings"
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"smithy.api#idempotent": {}
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"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#required": {}
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"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"UpdateSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related configuration settings. You can\n update any combination of settings in a single operation such as the: \n \n \n Subnets which you want to add to provision VPC endpoints. \n \n \n Subnets which you want to remove the VPC endpoints from. \n \n \n Security group ID which permits traffic to the VPC endpoints. \n \n ",
"smithy.api#required": {}
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}
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},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#required": {}
}
}
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    "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
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         "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
          "traits": {
            "smithy.api#documentation": "<p>The ID of one or more subnets in which License Manager will
create a VPC endpoint for products that\n      require connectivity to activation servers.</p>",
            "smithy.api#required": {}
          }
        },
        "RemoveSubnets": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
          "traits": {
            "smithy.api#documentation": "<p>The ID of one or more subnets to remove.</p>",
            "smithy.api#required": {}
          }
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        "SecurityGroupId": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
          "traits": {
            "smithy.api#documentation": "<p>A security group ID
 that allows inbound TCP port 1688 communication between resources in\n      your VPC and the VPC endpoints for
activation servers.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Updates the registered identity providers product related configuration
settings such as\n      the subnets to provision VPC endpoints.</p>"
      }
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    "com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
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        "message": {
          "target": "smithy.api#String"
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      "traits": {
        "smithy.api#documentation": "<p>A parameter is not valid.</p>",
        "smithy.api#error": "client"
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        "id": "HttpHeaderTrait",
        "namespace": "*"
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        "namespace": "*"
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        "id": "Service",
        "namespace": "*"
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    "com.amazonaws.licensemanager#AWSLicenseManager": {
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      "version": "2018-08-01",
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          "target": "com.amazonaws.licensemanager#CheckInLicense"
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          "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
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          "target": "com.amazonaws.licensemanager#CheckoutLicense"
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      "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
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      "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

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      "target": "com.amazonaws.licensemanager#GetGrant"
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"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
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"target": "com.amazonaws.licensemanager#GetLicenseUsage"
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"target": "com.amazonaws.licensemanager#ListLicenses"
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        "target": "com.amazonaws.licensemanager#ListReceivedLicenses"
    },
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        "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
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        "target": "com.amazonaws.licensemanager#RejectGrant"
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        "target": "com.amazonaws.licensemanager#TagResource"
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    {
        "target": "com.amazonaws.licensemanager#UntagResource"
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    {
        "target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
    },
    {
        "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
    },
    {
        "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
    },
    {
        "target": "com.amazonaws.licensemanager#UpdateServiceSettings"
    }
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"traits": {
    "aws.api#service": {
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"sdkId": "License Manager",
"arnNamespace": "license-manager",
"cloudFormationName": "LicenseManager",
"cloudTrailEventSource": "licensemanager.amazonaws.com",
"endpointPrefix": "license-manager"
},
"aws.auth#sigv4": {
"name": "license-manager"
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"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
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"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
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"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
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                "argv": [
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              }
            ],
            "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
            "type": "error"
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"conditions": [
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                "fn": "booleanEquals",
                "argv": [
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                    "ref": "UseDualStack"
                  },
                  true
                ]
              }
            ],
            "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
            "type": "error"
          },
          {
```

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                    "ref": "Endpoint"
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                  "properties": {},
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                "type": "endpoint"
              }
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            "conditions": [
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                "fn": "isSet",
                "argv": [
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                    "ref": "Region"
                  }
                ]
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            "rules": [
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                "conditions": [
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                    "argv": [
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                        "ref": "Region"
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                    "assign": "PartitionResult"
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                "type": "tree",
                "rules": [
                  {
                    "conditions": [
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                        "fn": "booleanEquals",
                        "argv": [
                          {
                            "ref":
"UseFIPS"
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```

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                    true
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                "fn": "booleanEquals",
                "argv": [
                    {
                        "ref": "UseDualStack"
                    },
                    true
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                                        "ref": "PartitionResult"
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                                    "supportsFIPS"
                                ]

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                        "argv": [
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                                "fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },

"supportsDualStack"
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                        ]
```

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                    }
                ],
                "type": "tree",
                "rules": [
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fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
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                            "headers": {}

            },
                        "type": "endpoint"
                    }
                ]
            },
            {
                "conditions": [],
                "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
                "type": "error"
            }
        ]
    },
    {
        "conditions": [
            {
                "fn": "booleanEquals",

          "argv": [
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                        "ref": "UseFIPS"
                    },
                    true
                ]
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        "type": "tree",
        "rules": [
            {
                "conditions": [
                    {
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                        "argv": [
                            true,
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                  "supportsFIPS"
                ]
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            ]
          }
        ],
        "type": "tree",
        "rules": [

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              "properties": {},
              "headers": {}
            },
            "type": "endpoint"
          }
        ]
      },
      {
        "conditions": [],
        "error": "FIPS is enabled but this
partition does not support FIPS",
        "type": "error"
      }
    ]
  },
  {
    "conditions": [
      {
        "fn": "booleanEquals",
        "argv": [
          {
            "ref": "UseDualStack"
          },
          true
        ]
      }
    ],
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                            "fn": "getAttr",
                            "argv": [
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                                "ref": "PartitionResult"
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"supportsDualStack"
                            ]
                          }
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                    ],
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                    "rules": [
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manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
                          "properties": {},
                          "headers": {}

                },
                        "type": "endpoint"
                      }
                    ]
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                  {
                    "conditions": [],
                    "error": "DualStack is enabled but this partition does not support DualStack",
                    "type": "error"
                  }
                ]
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                "conditions": [],
                "endpoint": {
                  "url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
                   "properties": {},
                  "headers": {}
```

```
                    },
                    "type": "endpoint"
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            ]
        }
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    "conditions": [],
    "error": "Invalid Configuration: Missing Region",
    "type": "error"
}
]
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"smithy.rules#endpointTests": {
    "testCases": [
        {
            "documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint":
{
                    "url": "https://license-manager.af-south-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "af-south-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-east-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "ap-east-1",
                "UseFIPS": false,
                "UseDualStack": false
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        },
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            "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-northeast-1.amazonaws.com"
```

```
            }
        },
        "params": {
            "Region": "ap-northeast-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
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        "documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.ap-northeast-2.amazonaws.com"
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        },
        "params": {
            "Region": "ap-northeast-2",
            "UseFIPS": false,
            "UseDualStack": false
        }
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    {
        "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.ap-northeast-3.amazonaws.com"
            }
        },
        "params": {
            "Region": "ap-northeast-3",
            "UseFIPS": false,
            "UseDualStack": false
        }

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    {
        "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.ap-south-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "ap-south-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
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        {
          "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
          "expect": {
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          "params": {
            "Region": "ap-southeast-1",
            "UseFIPS": false,
            "UseDualStack": false
          }
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        {
          "documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
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            }
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          "params": {
            "Region": "ap-southeast-2",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
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"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
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            }
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          "params": {
            "Region": "ap-southeast-3",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
        {
          "documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ca-central-1.amazonaws.com"
            }
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"params": {
"Region": "ca-central-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-central-1.amazonaws.com"
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"params": {
"Region": "eu-central-1",
"UseFIPS": false,
"UseDualStack": false
}
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"documentation": "For region eu-north-1 with FIPS
disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-north-1.amazonaws.com"
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"params": {
"Region": "eu-north-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-south-1.amazonaws.com"
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},
"params": {
"Region":
"eu-south-1",
"UseFIPS": false,
"UseDualStack": false
}
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        {
          "documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.eu-west-1.amazonaws.com"
            }
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          "params": {
            "Region": "eu-west-1",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
        {
          "documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
          "expect": {

          "endpoint": {
              "url": "https://license-manager.eu-west-2.amazonaws.com"
            }
          },
          "params": {
            "Region": "eu-west-2",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
        {
          "documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.eu-west-3.amazonaws.com"
            }
          },
          "params": {
            "Region": "eu-west-3",
            "UseFIPS": false,

"UseDualStack": false
          }
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        {
          "documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.me-south-1.amazonaws.com"
            }
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"params": {
"Region": "me-south-1",
"UseFIPS": false,
"UseDualStack": false
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{
"documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.sa-east-1.amazonaws.com"
}
},
"params": {
"Region": "sa-east-1",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
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{
"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-1.amazonaws.com"
}
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"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
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{
"documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",

"expect": {
"endpoint": {
"url": "https://license-manager.us-east-2.amazonaws.com"
}

},
"params": {
"Region": "us-east-2",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-2.amazonaws.com"
}
},
"params": {
"Region": "us-east-2",
"UseFIPS": true,
"UseDualStack": false
}
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"documentation": "For region
us-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-west-1.amazonaws.com"
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},
"params": {
"Region": "us-west-1",
"UseFIPS": false,
"UseDualStack": false
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{
"documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-fips.us-west-1.amazonaws.com"
}
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"params": {

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"UseFIPS": true,
"UseDualStack": false
}
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{
"documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
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"Region": "us-west-2",
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"UseDualStack": false
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"params": {
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"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,

"UseDualStack": true
}
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{
"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",

"expect": {
"endpoint": {
"url": "https://license-manager.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
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"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
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"documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
}
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"params": {
"Region": "cn-northwest-1",
"UseFIPS": false,
"UseDualStack": false

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"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
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"url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
}
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"params": {
"Region": "cn-north-1",

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            "UseFIPS": true,
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        "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
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                "url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
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        "params": {
            "Region": "cn-north-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
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        "expect": {
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            }
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        "params": {
            "Region": "cn-north-1",
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            "UseDualStack": true
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        "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-gov-east-1.amazonaws.com"
            }
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        "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
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"url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
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"params": {
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"UseDualStack": false
}
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"documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-west-1.amazonaws.com"
}
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"params": {
"Region": "us-gov-west-1",
"UseFIPS": false,
"UseDualStack": false
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"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
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"url": "https://license-manager-fips.us-gov-east-1.api.aws"
}
},

"params": {
"Region": "us-gov-east-1",
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"UseDualStack": true

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                }
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            "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": false,
                "UseDualStack": true
            }
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            "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
                }
            },
            "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
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            "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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            "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": true,
                 "UseDualStack": true
            }
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        {
            "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
                }
            },
            "params": {
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"Region": "us-iso-east-1",
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"UseDualStack": false
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"expect": {
"error": "DualStack is enabled
but this partition does not support DualStack"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
}
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"UseDualStack": true
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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
}

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            "params": {
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                        "UseFIPS": true,
                        "UseDualStack": false
                    }
                },
                {
                    "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
                    "expect": {
                        "error": "DualStack is enabled but this partition does not support DualStack"
                    },
                    "params": {
                        "Region": "us-isob-east-1",
                        "UseFIPS": false,
                        "UseDualStack": true
                    }
                },
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                    "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

    "expect": {
                        "endpoint": {
                            "url": "https://example.com"
                        }
                    },
                    "params": {
                        "Region": "us-east-1",
                        "UseFIPS": false,
                        "UseDualStack": false,
                        "Endpoint": "https://example.com"
                    }
                },
                {
                    "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
                    "expect": {
                        "endpoint": {
                            "url": "https://example.com"
                        }
                    },
                    "params": {
                        "UseFIPS": false,

        "UseDualStack": false,
                        "Endpoint": "https://example.com"
                    }
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                },
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                    "documentation": "For custom endpoint with fips enabled and dualstack disabled",
                    "expect": {
                        "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
                    },
                    "params": {
                        "Region": "us-east-1",
                        "UseFIPS": true,
                        "UseDualStack": false,
                        "Endpoint": "https://example.com"
                    }
                },
                {
                    "documentation": "For custom endpoint with fips disabled and dualstack enabled",
                    "expect": {
                        "error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
                    },
                    "params": {
                        "Region": "us-east-1",
                        "UseFIPS": false,
                        "UseDualStack": true,
                        "Endpoint": "https://example.com"
                    }
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                    "documentation": "Missing region",
                    "expect": {
                        "error": "Invalid Configuration: Missing Region"
                    }
                }
            ],
            "version": "1.0"
        }
    }
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"com.amazonaws.licensemanager#AcceptGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
    "output": {
        "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
    },
    "errors": [
        {
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"target": "com.amazonaws.licensemanager#AccessDeniedException"
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{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"

}
],
"traits": {
"smithy.api#documentation": " Accepts the specified grant. "
}
},
"com.amazonaws.licensemanager#AcceptGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#AcceptGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant

ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#AccessDeniedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
"httpResponseCode": 401
},
"smithy.api#documentation": " Access to resource denied. ",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
"type": "enum",
"members": {
"DISTRIBUTED_GRANTS_ONLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
}
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperation": {

"type": "enum",
"members": {
"CREATE_GRANT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateGrant"
}
},
"CHECKOUT_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutLicense"
}
},
"CHECKOUT_BORROW_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutBorrowLicense"
}
},
"CHECK_IN_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckInLicense"
}
},
"EXTEND_CONSUMPTION_LICENSE":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ExtendConsumptionLicense"
}
},
"LIST_PURCHASED_LICENSES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ListPurchasedLicenses"
}
},

"CREATE_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateToken"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperationList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#AllowedOperation"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max":
7
}
}
},
"com.amazonaws.licensemanager#Arn": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 2048
},
"smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
}
},
"com.amazonaws.licensemanager#ArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
}
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"com.amazonaws.licensemanager#AuthorizationException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError":

{
"code": "AuthorizationFailure",
"httpResponseCode": 403
},
"smithy.api#documentation": " The Amazon Web Services user account does not have permission to perform the action. Check the IAM\n policy associated with this account. ",
"smithy.api#error": "client",
"smithy.api#httpError": 403
}
},
"com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
"type": "structure",
"members": {
"LastRunTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time that automated discovery last ran. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes automated discovery. "
}
},

"com.amazonaws.licensemanager#Boolean": {
"type": "boolean",
"traits": {
"smithy.api#default": false
}
},
"com.amazonaws.licensemanager#BorrowConfiguration": {
"type": "structure",
"members": {
"AllowEarlyCheckIn": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether early check-ins are allowed. ",
"smithy.api#required": {}
}
},
"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the borrow configuration, in minutes. ",
"smithy.api#required": {}
}
}

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},
        "traits": {
            "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#BoxBoolean": {
        "type": "boolean"
    },
    "com.amazonaws.licensemanager#BoxInteger": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#BoxLong": {
        "type": "long"
    },
    "com.amazonaws.licensemanager#CheckInLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"

     },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
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            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseRequest":
{
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
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            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
        "type": "structure",
        "members":
{
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must
use the borrow consumption configuration.</p>",
                    "smithy.api#required": {}
                }
```

```
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
                    "smithy.api#required": {}
                }
            },
            "DigitalSignatureMethod": {
                "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
                "traits": {
                    "smithy.api#documentation": "<p>Digital signature method. The possible
 value is JSON Web Signature (JWS) algorithm PS384.\n        For more information, see <a
href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS</a>.</p>",
                    "smithy.api#required": {}
                }
            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
```

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},
"EntitlementsAllowed":
{
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " Allowed license entitlements. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout
is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout expires. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "
}
}
},

"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target":
"com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license. \n <note>\n If the
account that created the license is the same that is performing the check out, you must\n specify the account

as the beneficiary. \n </note>"
  }
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
  "type": "structure",
  "members": {
    "ProductSKU": {
      "target": "com.amazonaws.licensemanager#String",
      "traits": {
        "smithy.api#documentation": " Product
 SKU. ",
        "smithy.api#required": {}
      }
    },
    "CheckoutType": {
      "target": "com.amazonaws.licensemanager#CheckoutType",
      "traits": {
        "smithy.api#documentation": " Checkout type. ",
        "smithy.api#required": {}
      }
    },
    "KeyFingerprint": {
      "target": "com.amazonaws.licensemanager#String",
      "traits": {
        "smithy.api#documentation": " Key fingerprint identifying the license. ",
        "smithy.api#required": {}
      }
    },
    "Entitlements": {
      "target": "com.amazonaws.licensemanager#EntitlementDataList",
      "traits": {
        "smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
      }
    },
    "ClientToken": {
      "target": "com.amazonaws.licensemanager#ClientToken",
      "traits": {
        "smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request. ",
        "smithy.api#required": {}
      }
    },
    "Beneficiary": {
      "target": "com.amazonaws.licensemanager#String",
      "traits": {
        "smithy.api#documentation": " License beneficiary. "

```
            }
        },
        "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
            }
        }
    },
    "traits": {

   "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
    "type": "structure",
    "members": {
        "CheckoutType": {
            "target": "com.amazonaws.licensemanager#CheckoutType",
            "traits": {
                "smithy.api#documentation": "<p>Checkout type.</p>"
            }
        },
        "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License consumption token.</p>"
            }
        },
        "EntitlementsAllowed": {
            "target": "com.amazonaws.licensemanager#EntitlementDataList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
            }
        },
         "SignedToken": {
            "target": "com.amazonaws.licensemanager#SignedToken",
            "traits": {
                "smithy.api#documentation": "<p>Signed token.</p>"
            }
        },
        "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
            }
        },
        "IssuedAt": {
```

"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and
time at which the license checkout expires. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the checkout license. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutType": {
"type": "enum",
"members": {
"PROVISIONAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PROVISIONAL"
}
},
"PERPETUAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PERPETUAL"
}
}
}
},
"com.amazonaws.licensemanager#ClientRequestToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 36
}
}

```
    },
    "com.amazonaws.licensemanager#ClientToken": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 2048
            },
            "smithy.api#pattern": "^\\S+$"
        }
    },
    "com.amazonaws.licensemanager#ConflictException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "ConflictException",
                "httpResponseCode":
 409
            },
            "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 409
        }
    },
    "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
        "type": "structure",
        "members": {
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
                }
            },
            "ConsumedLicenses": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
                }
            }
        },
```

"traits": {
"smithy.api#documentation": " Details about license consumption. "
}
},
"com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
}
},
"com.amazonaws.licensemanager#ConsumptionConfiguration": {
"type": "structure",
"members": {
"RenewType": {
"target": "com.amazonaws.licensemanager#RenewType",
"traits": {
"smithy.api#documentation": " Renewal frequency. "
}
},
"ProvisionalConfiguration": {
"target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
"traits": {
"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"BorrowConfiguration": {
"target": "com.amazonaws.licensemanager#BorrowConfiguration",
"traits": {
"smithy.api#documentation": " Details about a borrow configuration. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about a consumption configuration. "
}
},
"com.amazonaws.licensemanager#CreateGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a grant for the specified license. A grant shares the use of license\n entitlements with a specific Amazon Web Services account, an organization, or an\n organizational unit (OU). For more
information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#CreateGrantRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}

}
},
"LicenseArn": {

"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Principals": {
"target": "com.amazonaws.licensemanager#PrincipalArnList",
"traits": {
"smithy.api#documentation": " The grant principals. You can specify one of the following as an Amazon Resource Name\n (ARN): \n \n \n An Amazon Web Services account, which includes only the account specified. \n \n \n \n \n An organizational unit (OU), which includes all accounts in the OU. \n \n \n \n \n An organization, which will include all accounts across your organization. \n \n ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations for the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}
},

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            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersion":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
             },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information,
see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",

  "smithy.api#required": {}
                }
            },
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>"
                }
            },
            "AllowedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                 "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "StatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status reason.</p>"
```

```
            }
        },
        "SourceVersion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Current version of the grant.</p>"
            }
        },
        "Options": {
            "target": "com.amazonaws.licensemanager#Options",
            "traits": {
                "smithy.api#documentation": "<p>The options specified for the grant.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersionResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>New version of the grant.</p>"
            }
        }
    },
    "traits":
{
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicense": {
    "type": "operation",
```

```
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Creates a license.</p>"
    }
},
"com.amazonaws.licensemanager#CreateLicenseConfiguration": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager. Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a \n        license must be associated with a host), and the number of licenses purchased and used.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the license configuration.</p>"
                }
            },
            "LicenseCountingType": {
                "target": "com.amazonaws.licensemanager#LicenseCountingType",
                "traits": {
                    "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
```

"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether hard or soft license enforcement is used. Exceeding a hard limit\n blocks the launch of new instances. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows. \n \n \n \n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> | <code>minimumCores</code>\n \n \n \n \n <code>Instances</code> dimension: <code>allowedTenancy</code> | \n <code>maximumCores</code> | <code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n \n
\n <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n <code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code>\n \n \n \n \n <code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n <code>honorVcpuOptimization</code> | \n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n \n The unit for <code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for <code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n <code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n <code>True</code> and <code>False</code>. "
}
},

"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the license configuration. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "

```
            }
          },
          "ProductInformationList": {
            "target": "com.amazonaws.licensemanager#ProductInformationList",
            "traits": {
              "smithy.api#documentation": "<p>Product information.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
{
        "type": "structure",
        "members": {
          "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
           },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {

                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting
the license type for.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information that identifies the license type you are converting
from. \n\n        For the structure of the source license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
                    "smithy.api#required": {}
                }
            },
            "DestinationLicenseContext":
 {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information that identifies the license type you are converting to.
For the structure of the destination license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
```

```
    }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
    "type": "structure",
    "members": {
        "LicenseConversionTaskId": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

   "traits": {
                "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
```

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a report generator. "
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"ReportGeneratorName":
{
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports to generate. The following report types an be generated: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}

}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",

"traits": {
"smithy.api#documentation": " Unique,
case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the new report
generator. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseRequest": {
"type": "structure",
"members": {
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}

},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product
name. ",
"smithy.api#required": {}
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits": {
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region for the license. ",
"smithy.api#required": {}

}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-
UTC format. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " License beneficiary. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},

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        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
    }
```

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    },
    "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
      "type": "structure",
      "members": {
        "LicenseArn": {
          "target":
"com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
            "smithy.api#required": {}
          }
        },
        "LicenseName": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>License name.</p>",
            "smithy.api#required": {}
          }
        },
        "ProductName": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Product name.</p>",
            "smithy.api#required": {}
          }
        },
        "Issuer": {
          "target": "com.amazonaws.licensemanager#Issuer",
          "traits":
{
            "smithy.api#documentation": "<p>License issuer.</p>",
            "smithy.api#required": {}
          }
        },
        "HomeRegion": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Home Region of the license.</p>",
            "smithy.api#required": {}
          }
        },
        "Validity": {
          "target": "com.amazonaws.licensemanager#DatetimeRange",
          "traits": {
            "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
            "smithy.api#required": {}
          }
```

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            },
            "LicenseMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license.</p>"
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements.</p>",
                    "smithy.api#required": {}
                }
            },
            "ConsumptionConfiguration": {
                "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n         running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n         usage.</p>",
                    "smithy.api#required": {}
                }
            },

   "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>",
                    "smithy.api#required": {}
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the license.</p>"
                }
            }
        },
        "traits": {
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"smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": " License ARN. "
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": " New version of the license. "
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": " License status. "
                }
            }
        },
        "traits": {
            "smithy.api#output":
{}
        }
    },
    "com.amazonaws.licensemanager#CreateToken": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateTokenRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateTokenResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },

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            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },

        {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n        <p>A refresh token is a JWT token used to get an access token. With an access token,\n        you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n        call License Manager to manage the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateTokenRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n        JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "RoleArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n        License Manager does not check whether the roles are in use.</p>"
                }
            },
            "ExpirationInDays": {
                "target": "com.amazonaws.licensemanager#Integer",
                "traits": {
                    "smithy.api#documentation": "<p>Token expiration, in days, counted from token creation. The default is 365 days.</p>"
                }
```

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            },
            "TokenProperties": {
                "target": "com.amazonaws.licensemanager#MaxSize3StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Data specified by the caller to be included in the JWT token. The
data is mapped\n          to the amr claim of the JWT token.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateTokenResponse": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",

                "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>"
                }
            },
            "TokenType": {
                "target": "com.amazonaws.licensemanager#TokenType",
                "traits": {
                    "smithy.api#documentation": "<p>Token type.</p>"
                }
            },
            "Token": {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DateTime": {
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    "type": "timestamp"
  },
  "com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
      "Begin": {
          "target": "com.amazonaws.licensemanager#ISO8601DateTime",
        "traits": {
          "smithy.api#documentation": "<p>Start of the time range.</p>",
          "smithy.api#required": {}
        }
      },
      "End": {
        "target": "com.amazonaws.licensemanager#ISO8601DateTime",
        "traits": {
          "smithy.api#documentation": "<p>End of the time range.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
  },
  "com.amazonaws.licensemanager#DeleteGrant": {
    "type": "operation",
    "input": {
      "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
    },
    "output": {
      "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
     },
    "errors": [
      {
        "target": "com.amazonaws.licensemanager#AccessDeniedException"
      },
      {
        "target": "com.amazonaws.licensemanager#AuthorizationException"
      },
      {
        "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
      },
      {
        "target": "com.amazonaws.licensemanager#RateLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
      },
      {
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"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes
the specified grant. "
}
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " The Status reason for the delete request. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the
grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}

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            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
```

"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license configuration. \n You cannot delete a license configuration that is in use. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
"type": "structure",
"members":
{
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

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            "smithy.api#documentation": "<p>ID of the license configuration.</p>",
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
      "type": "structure",
      "members": {},
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
       },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
          "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
          "target": "com.amazonaws.licensemanager#ValidationException"
```

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified report generator.</p>\n        <p>This action
deletes the report generator, which stops it from generating future reports.\n        The action cannot be reversed. It
has no effect on the previous reports from this generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to be
deleted.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {

 "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the license.</p>",
                    "smithy.api#required":
```

{}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseResponse": {
"type": "structure",
"members": {
"Status": {
"target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"DeletionDate": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date when the license is deleted. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"

```
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },

    {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenRequest": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}

      }
    },
    "com.amazonaws.licensemanager#DigitalSignatureMethod": {
        "type": "enum",
        "members": {
            "JWT_PS384": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "JWT_PS384"
                }
```

```
            }
        }
    },
    "com.amazonaws.licensemanager#Entitlement": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement resource. Use only
if the unit is None.</p>"
                }
            },
            "MaxCount": {
                "target": "com.amazonaws.licensemanager#Long",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum entitlement count. Use if the unit is not None.</p>"
                }
            },
            "Overage": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether overages are allowed.</p>"
                }
            },
            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement unit.</p>",
                    "smithy.api#required": {}
                }
            },
            "AllowCheckIn": {
                "target":
"com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether check-ins are allowed.</p>"
                }
            }
        },
        "traits": {
```

"smithy.api#documentation": " Describes a resource entitled for use with a license. "
}
},
"com.amazonaws.licensemanager#EntitlementData": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement data name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement
data value. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementDataUnit",
"traits": {
"smithy.api#documentation": " Entitlement data unit. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Data associated with an entitlement resource. "
}
},
"com.amazonaws.licensemanager#EntitlementDataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#EntitlementData"
}
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Count"
}
},

"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},

"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"

}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"

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            }
        },
        "KILOBYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobytes/Second"
            }
        },
        "MEGABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Megabytes/Second"
            }
        },
        "GIGABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "Gigabytes/Second"
            }
        },
        "TERABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabytes/Second"
            }
        },
        "BITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Bits/Second"
            }
        },
        "KILOBITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobits/Second"
            }
        },
        "MEGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue":
"Megabits/Second"
            }
        },
        "GIGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
```

"smithy.api#enumValue": "Gigabits/Second"
}
},
"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Entitlement"
}
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The entitlement is not allowed. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#EntitlementUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"
}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target":
"smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}

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            },
            "KILOBYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Kilobytes/Second"
                }
            },
            "MEGABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Megabytes/Second"
                }
            },
            "GIGABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Gigabytes/Second"
                }
            },
            "TERABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {

"smithy.api#enumValue": "Terabytes/Second"
                }
            },
            "BITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Bits/Second"
                }
            },
            "KILOBITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Kilobits/Second"
                }
            },
            "MEGABITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Megabits/Second"
                }
            },
            "GIGABITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Gigabits/Second"
```

```
            }
        },

    "TERABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabits/Second"
            }
        },
        "COUNT_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count/Second"
            }
        }
    }
},
"com.amazonaws.licensemanager#EntitlementUsage": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage name.</p>",
                "smithy.api#required": {}
            }
        },
        "ConsumedValue": {
            "target": "com.amazonaws.licensemanager#String",

        "traits": {
                "smithy.api#documentation": "<p>Resource usage consumed.</p>",
                "smithy.api#required": {}
            }
        },
        "MaxCount": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
            }
        },
        "Unit": {
            "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                "smithy.api#required": {}
            }
        }
```

```
        },
        "traits": {
            "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementUsageList":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementUsage"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumption": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
```

"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. ",
"smithy.api#required": {}

}
},
"DryRun": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,
"smithy.api#documentation": " Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},

"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license consumption expires. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#FailedDependencyException": {
"type": "structure",
"members": {
"Message": {

"target": "com.amazonaws.licensemanager#Message"
},
"ErrorCode": {
"target": "com.amazonaws.licensemanager#String"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FailedDependency",
"httpResponseCode": 424
},
"smithy.api#documentation":
" A dependency required to run the API is missing. ",
"smithy.api#error": "client",
"smithy.api#httpError": 424
}
},
"com.amazonaws.licensemanager#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#FilterName",
"traits": {
"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only
specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter
name and value pair that is used to return more specific results from a\n describe operation. Filters can be used
to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {

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        "aws.protocols#awsQueryError": {
            "code": "FilterLimitExceeded",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#FilterList": {
    "type": "list",
     "member": {
        "target": "com.amazonaws.licensemanager#Filter"
    }
},
"com.amazonaws.licensemanager#FilterName": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#FilterValue",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#Filters": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Filter",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#GetAccessToken": {
    "type": "operation",
    "input": {
         "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
    },
    "errors": [
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```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
 tokens\n          are valid for one hour.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetAccessTokenRequest": {
        "type": "structure",
        "members": {
            "Token": {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "TokenProperties": {
                "target": "com.amazonaws.licensemanager#MaxSize3StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetAccessTokenResponse":
 {
        "type": "structure",
        "members": {
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        "AccessToken": {
            "target": "com.amazonaws.licensemanager#TokenString",
            "traits": {
                "smithy.api#documentation": "<p>Temporary access token.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"

   },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
```

```
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
    "type": "structure",
    "members": {
        "Grant": {
            "target": "com.amazonaws.licensemanager#Grant",
            "traits": {
                "smithy.api#documentation": "<p>Grant details.</p>"
            }
        }
    },
    "traits": {

"smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"

},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license configuration. "

```
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits":
 {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurationId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
                }
            },
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
                }
            },
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>"
                 }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the license configuration.</p>"
                }
            },
            "LicenseCountingType": {
                "target": "com.amazonaws.licensemanager#LicenseCountingType",
```

"traits": {
"smithy.api#documentation": " Dimension for which the licenses are counted. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",

"traits": {
"smithy.api#documentation": " Number of available licenses. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Sets the number of available licenses as a hard limit. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses assigned to resources. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License configuration status. "
}

},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner of the license configuration. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},

"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When
true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified license type conversion task. "
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. "

```
            }
        },
        "SourceLicenseContext": {
            "target": "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
                "smithy.api#documentation": "<p>Information
about the license type converted from.</p>"
            }
        },
        "DestinationLicenseContext": {
            "target": "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
                "smithy.api#documentation": "<p>Information about the license type converted to.</p>"
            }
        },
        "StatusMessage": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
            "traits": {
                "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
            }
        },

  "StartTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
            }
        },
        "LicenseConversionTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
            }
        },
        "EndTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Time at which the license type conversion task was
completed.</p>"
            }
        }
    },
```

```
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

         },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
```

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. ",
"smithy.api#required":
{}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"ReportGenerator": {
"target": "com.amazonaws.licensemanager#ReportGenerator",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license configurations. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#input": {}
}

```
    },
    "com.amazonaws.licensemanager#GetLicenseResponse": {
        "type": "structure",
        "members": {
            "License": {
                "target": "com.amazonaws.licensemanager#License",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },

"com.amazonaws.licensemanager#GetLicenseUsage": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {

"target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
        }
```

```
    },
    "com.amazonaws.licensemanager#GetLicenseUsageRequest": {
      "type": "structure",
      "members": {
        "LicenseArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
      "type": "structure",
      "members": {
        "LicenseUsage": {
          "target":
"com.amazonaws.licensemanager#LicenseUsage",
          "traits": {
            "smithy.api#documentation": "<p>License usage details.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#GetServiceSettings": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsRequest": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "S3BucketArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Regional S3 bucket path for storing reports, license trail event data,
discovery data,\n        and so on.</p>"

  }
            },
            "SnsTopicArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>SNS topic configured to receive notifications from License
Manager.</p>"
                }
            },
            "OrganizationConfiguration": {
                "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether Organizations is integrated with License
Manager for\n        cross-account discovery.</p>"
                }
            },
            "EnableCrossAccountsDiscovery": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether cross-account discovery is enabled.</p>"
                }
```

```
        },
            "LicenseManagerResourceShareArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource share. The License
Manager management account \n        provides member accounts with access to this share.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#Grant": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {

 "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ParentArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Parent ARN.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>License ARN.</p>",
                    "smithy.api#required": {}
                }
            },
            "GranteePrincipalArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
```

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. ",
"smithy.api#required": {}
}
},
"GrantedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Granted operations. ",
"smithy.api#required": {}
}
},
"Options": {
"target": "com.amazonaws.licensemanager#Options",
"traits": {
"smithy.api#documentation": " The options specified for the grant. "
}
}
},
"traits": {
"smithy.api#documentation":

" Describes a grant. "
        }
    },
    "com.amazonaws.licensemanager#GrantList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Grant"
        }
    },
    "com.amazonaws.licensemanager#GrantStatus": {
        "type": "enum",
        "members": {
            "PENDING_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_WORKFLOW"
                }
            },
            "PENDING_ACCEPT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_ACCEPT"
                }
            },
            "REJECTED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REJECTED"

            }
            },
            "ACTIVE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ACTIVE"
                }
            },
            "FAILED_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED_WORKFLOW"
                }
            },
            "DELETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DELETED"
                }

```
            },
            "PENDING_DELETE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_DELETE"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits":
{
                    "smithy.api#enumValue": "DISABLED"
                }
            },
            "WORKFLOW_COMPLETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WORKFLOW_COMPLETED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#GrantedLicense": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>"
                }

  },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product name.</p>"
                }
            },
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product SKU.</p>"
```

```
            }
        },
        "Issuer": {
            "target": "com.amazonaws.licensemanager#IssuerDetails",
            "traits": {
                "smithy.api#documentation": "<p>Granted license issuer.</p>"
            }
        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Home Region of the granted license.</p>"

         }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>Granted license status.</p>"
            }
        },
        "Validity": {
            "target": "com.amazonaws.licensemanager#DatetimeRange",
            "traits": {
                "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in
ISO8601-UTC format.</p>"
            }
        },
        "Beneficiary": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
            }
        },
        "Entitlements": {
            "target": "com.amazonaws.licensemanager#EntitlementList",
             "traits": {
                "smithy.api#documentation": "<p>License entitlements.</p>"
            }
        },
        "ConsumptionConfiguration": {
            "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
            }
        },
        "LicenseMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
```

```
            "traits": {
                "smithy.api#documentation": "<p>Granted license metadata.</p>"
            }
        },
        "CreateTime": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Creation time of the granted license.</p>"

  }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Version of the granted license.</p>"
            }
        },
        "ReceivedMetadata": {
            "target": "com.amazonaws.licensemanager#ReceivedMetadata",
            "traits": {
                "smithy.api#documentation": "<p>Granted license received metadata.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
    }
},
"com.amazonaws.licensemanager#GrantedLicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#GrantedLicense"
    }
},
"com.amazonaws.licensemanager#ISO8601DateTime":
{
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 50
        },
        "smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-
1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$"
    }
},
"com.amazonaws.licensemanager#Integer": {
    "type": "integer"
```

```
    },
    "com.amazonaws.licensemanager#InvalidParameterValueException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidParameterValueProvided",
                "httpResponseCode": 400
            },
            "smithy.api#documentation":
 "<p>One or more parameter values are not valid.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#InvalidResourceStateException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidResourceState",
                "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n        <p>For example, you cannot allocate a license to an instance in the process of shutting\n
down.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },

    "com.amazonaws.licensemanager#InventoryFilter": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the filter.</p>",
                    "smithy.api#required": {}
                }
```

```
        },
        "Condition": {
            "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
            "traits": {
                "smithy.api#documentation": "<p>Condition of the filter.</p>",
                "smithy.api#required": {}
            }
        },
        "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Value of the filter.</p>"
            }
        }

    },
    "traits": {
        "smithy.api#documentation": "<p>An inventory filter.</p>"
    }
  },
  "com.amazonaws.licensemanager#InventoryFilterCondition": {
    "type": "enum",
    "members": {
        "EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EQUALS"
            }
        },
        "NOT_EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "NOT_EQUALS"
            }
        },
        "BEGINS_WITH": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "BEGINS_WITH"
            }
        },
        "CONTAINS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "CONTAINS"
            }
        }
    }
```

```
    },
    "com.amazonaws.licensemanager#InventoryFilterList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#InventoryFilter"
        }
    },
    "com.amazonaws.licensemanager#Issuer": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer name.</p>",
                    "smithy.api#required": {}
                }
            },
            "SignKey": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key usage
 of sign and verify, \n        and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about the issuer of a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#IssuerDetails": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer name.</p>"
                }
            },
            "SignKey": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n        and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
                }
            },
            "KeyFingerprint": {
```

```
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Issuer key fingerprint.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Details associated with the issuer of a license.</p>"
    }
},
"com.amazonaws.licensemanager#License": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
        },
        "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {

       "smithy.api#documentation": "<p>License name.</p>"
            }
        },
        "ProductName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Product name.</p>"
            }
        },
        "ProductSKU": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Product SKU.</p>"
            }
        },
        "Issuer": {
            "target": "com.amazonaws.licensemanager#IssuerDetails",
            "traits": {
                "smithy.api#documentation": "<p>License issuer.</p>"
            }
        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Home Region of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " License metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " License creation time. "
}
},

```
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
    "type": "structure",
    "members": {
        "LicenseConfigurationId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
            }
        },
        "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
        },
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Name of the license configuration.</p>"
            }
        },
        "Description": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Description of the license configuration.</p>"
            }
        },
        "LicenseCountingType": {
            "target": "com.amazonaws.licensemanager#LicenseCountingType",
            "traits": {
                "smithy.api#documentation": "<p>Dimension to use to track the license inventory.</p>"
             }
        },
        "LicenseRules": {
            "target": "com.amazonaws.licensemanager#StringList",
            "traits": {
                "smithy.api#documentation": "<p>License rules.</p>"
```

```
            }
        },
        "LicenseCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
            }
        },
        "LicenseCountHardLimit": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
                "smithy.api#documentation": "<p>Number of available licenses as a hard limit.</p>"
            }
        },
        "DisassociateWhenNotFound": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
             "traits": {
                "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
            }
        },
        "ConsumedLicenses": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of licenses consumed. </p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Status of the license configuration.</p>"
            }
        },
        "OwnerAccountId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Account ID of the license configuration's owner.</p>"

        }
        },
        "ConsumedLicenseSummaryList": {
            "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
            "traits": {
                "smithy.api#documentation": "<p>Summaries for licenses consumed by various resources.</p>"
            }
        },
        "ManagedResourceSummaryList": {
            "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
```

"traits": {
"smithy.api#documentation": " Summaries for managed resources. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {

"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
}
},
"traits": {
"smithy.api#documentation": " A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
"type": "structure",
"members": {
"ResourceArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of server resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}

```
            },
            "AssociationTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {

    "smithy.api#documentation": "<p>Time when the license configuration was associated with the resource.</p>"
                }
            },
            "AmiAssociationScope": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes an association with a license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationStatus": {
        "type": "enum",
        "members":
{
            "AVAILABLE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "AVAILABLE"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DISABLED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationUsage": {
        "type": "structure",
        "members": {
            "ResourceArn": {
```

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits":
{
"smithy.api#documentation": " Type of resource. "
}
},
"ResourceStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the usage of a resource associated with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"

}
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfiguration"
}
},
"com.amazonaws.licensemanager#LicenseConversionContext": {

"type": "structure",
"members": {
"UsageOperation": {
"target": "com.amazonaws.licensemanager#UsageOperation",
"traits": {
"smithy.api#documentation": " The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\n \n "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {

"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " The ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource associated with the license type\n conversion task. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted from. "

```
            }
        },
        "DestinationLicenseContext": {
            "target":
 "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
                "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
            "traits": {
                "smithy.api#documentation": "<p>The status of the conversion task.</p>"
            }
        },
        "StatusMessage": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
            }
        },
        "StartTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation":
 "<p>The time the conversion task was started at.</p>"
            }
        },
        "LicenseConversionTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
            }
        },
        "EndTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
```

```
        "type": "string",
        "traits": {

       "smithy.api#length": {
            "min": 0,
            "max": 50
          },
          "smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
        }
      },
      "com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
        "type": "enum",
        "members": {
          "IN_PROGRESS": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "IN_PROGRESS"
            }
          },
          "SUCCEEDED": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "SUCCEEDED"
            }
          },
          "FAILED": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "FAILED"
            }
          }
        }
      },
      "com.amazonaws.licensemanager#LicenseConversionTasks":
  {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#LicenseConversionTask"
        }
      },
      "com.amazonaws.licensemanager#LicenseCountingType": {
        "type": "enum",
        "members": {
          "VCPU": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "vCPU"
            }
```

```
        },
        "INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Instance"
            }
        },
        "CORE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Core"
            }
        },
        "SOCKET": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "Socket"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
    "type": "enum",
    "members": {
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#License"
    }
},
"com.amazonaws.licensemanager#LicenseOperationFailure": {

    "type": "structure",
    "members": {
```

"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Resource type. "
}
},
"ErrorMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Error message. "
}
},
"FailureTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Failure time. "
}
},
"OperationName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the operation. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource. "
}
},
"OperationRequestedBy": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The requester is \"License Manager Automated Discovery\". "
}
},
"MetadataList": {

"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {

"smithy.api#documentation": " Reserved. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the failure of a license operation. "
}
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailure"
}
},
"com.amazonaws.licensemanager#LicenseSpecification": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Details for associating a license configuration with a resource. "
}
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseSpecification"
}
},
"com.amazonaws.licensemanager#LicenseStatus": {
"type": "enum",
"members": {
"AVAILABLE": {

"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"PENDING_AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_AVAILABLE"
}
},
"DEACTIVATED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DEACTIVATED"
}
},
"SUSPENDED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SUSPENDED"
}
},
"EXPIRED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EXPIRED"
}
},

"PENDING_DELETE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_DELETE"
}
},
"DELETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DELETED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseUsage": {
"type": "structure",
"members": {

"EntitlementUsages": {
"target": "com.amazonaws.licensemanager#EntitlementUsageList",
"traits": {
"smithy.api#documentation": " License entitlement usages. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the entitlement usage associated with a license. "

}
},
"com.amazonaws.licensemanager#LicenseUsageException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "LicenseUsageFailure",
"httpResponseCode": 412
},
"smithy.api#documentation": " You do not have enough licenses available to support a new resource launch. ",
"smithy.api#error": "client",
"smithy.api#httpError": 412
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"

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            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the resource associations for the
 specified license configuration.</p>\n        <p>Resource associations need not consume licenses from a license
configuration. \n        For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules).</p>"
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results
 to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
        "type": "structure",
```

"members": {
"LicenseConfigurationAssociations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license configuration. "
}
},
"NextToken": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants distributed for the specified license. "
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
"type": "structure",
"members": {
"GrantArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranteePrincipalARN</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n
\n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
"type": "structure",

"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",

"traits": {
"smithy.api#documentation": " Distributed grant details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license configuration operations that failed. "
}

```
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
      "type": "structure",
      "members": {
        "LicenseConfigurationArn": {
          "target": "com.amazonaws.licensemanager#String",
           "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
            "smithy.api#required": {}
          }
        },
        "MaxResults": {
          "target": "com.amazonaws.licensemanager#BoxInteger",
          "traits": {
            "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
      "type": "structure",
      "members": {
        "LicenseOperationFailureList": {
          "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
          "traits": {
            "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
```

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    },
    "com.amazonaws.licensemanager#ListLicenseConfigurations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
        },

    "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configurations
 for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArns": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
```

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next
set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical
operators\n are supported: \n \n \n \n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n
\n <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>. \n
\n \n \n <code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
"type": "structure",
"members": {
"LicenseConfigurations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurations",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},

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    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
    "type": "structure",
    "members": {
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {

"smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
```

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            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>\n        Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n      </p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
        "type": "structure",
        "members": {
            "LicenseConversionTasks": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTasks",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configuration tasks for your
 account.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target":
```

"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the report generators for your account. "
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported:
\n \n \n \n <code>LicenseConfigurationArn</code>\n
\n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits":
{
"smithy.api#documentation": " Maximum number of results to return in a single call. "

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            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
        "type": "structure",
        "members": {
          "ReportGenerators": {
            "target": "com.amazonaws.licensemanager#ReportGeneratorList",
            "traits": {
              "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }

        }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
```

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Describes the license configurations for the specified resource. "
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a resource that has an associated license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {
"LicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " License configurations associated with a resource. "
}
},

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        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                "smithy.api#required": {}
```

```
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
        "type": "structure",
        "members": {
          "Licenses": {
            "target": "com.amazonaws.licensemanager#LicenseList",
            "traits": {
              "smithy.api#documentation": "<p>License details.</p>"
            }
          },

"NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenses": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListLicensesRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListLicensesResponse"
        },
```

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the licenses for your account. "
}
},
"com.amazonaws.licensemanager#ListLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>Beneficiary</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>Status</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token

for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicensesResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#LicenseList",
"traits": {
"smithy.api#documentation": " License details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

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            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target":
 "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the received license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
    <ul>\n        <li>\n            <p>\n                <code>ParentArn</code>\n            </p>\n        </li>\n
<li>\n            <p>\n                <code>GranteePrincipalArn</code>\n            </p>\n        </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
```

"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",
"traits": {
"smithy.api#documentation": " Lists the grants the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
"type": "structure",
"members": {
"GrantArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranterAccountId</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},

```
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
    "type": "structure",
    "members": {
        "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
             "traits": {
                "smithy.api#documentation": "<p>Received grant details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
         },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists received licenses.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {

    "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
```

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the licenses received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>Beneficiary</code>\n \n \n \n \n <code>ProductSKU</code>\n
\n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#GrantedLicenseList",
"traits": {
"smithy.api#documentation": " Lists the licenses the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>IssuerName</code>\n \n \n \n \n <code>Beneficiary</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
"type": "structure",

```
    "members": {
      "Licenses": {
        "target": "com.amazonaws.licensemanager#GrantedLicenseList",
        "traits": {
          "smithy.api#documentation": "<p>Received license details.</p>"
        }
      },

      "NextToken": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
          "smithy.api#documentation": "<p>Token for the next set of results.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanager#ListResourceInventory": {
    "type": "operation",
    "input": {
      "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
    },
    "output": {
      "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
      {
        "target": "com.amazonaws.licensemanager#AccessDeniedException"
      },
      {
        "target": "com.amazonaws.licensemanager#AuthorizationException"
      },
      {
        "target": "com.amazonaws.licensemanager#FailedDependencyException"
      },
      {
        "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
      },
      {
        "target": "com.amazonaws.licensemanager#RateLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#ServerInternalException"
```

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListResourceInventoryRequest": {
        "type": "structure",
        "members": {
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                 "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#InventoryFilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n                    <code>account_id</code>
- The ID of the Amazon Web Services account that owns the resource.\n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n
            </li>\n            <li>\n                <p>\n                    <code>application_name</code> - The name of the
application. \n                Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n
    </li>\n            <li>\n                <p>\n                    <code>license_included</code> - The type of license included. \n
            Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n                Possible values
are <code>sql-server-enterprise</code> | \n                <code>sql-server-standard</code> | \n                <code>sql-
server-web</code> |  \n                <code>windows-server-datacenter</code>.</p>\n            </li>\n            <li>\n
    <p>\n                    <code>platform</code> - The platform of the resource.\n                Logical operators are
<code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n            </li>\n            <li>\n                <p>\n
        <code>resource_id</code> - The ID of the resource. \n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n                <p>\n
      <code>tag:<key></code> - The key/value combination of a tag assigned \n                to the resource. Logical
operators are <code>EQUALS</code> (single account) or\n                <code>EQUALS</code> |
<code>NOT_EQUALS</code> (cross account).</p>\n            </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
```

"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
"type": "structure",
"members": {
"ResourceInventoryList": {
"target": "com.amazonaws.licensemanager#ResourceInventoryList",
"traits": {
"smithy.api#documentation": " Information
about the resources. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the tags for the specified license configuration. "

```
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
        "errors":
[
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists your tokens.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTokensRequest": {
        "type": "structure",
        "members": {
            "TokenIds": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {

                  "smithy.api#documentation": "<p>Token IDs.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
    <ul>\n            <li>\n                <p>\n                <code>LicenseArns</code>\n                </p>\n            </li>\n
</ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation":
 "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
```

```
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokensResponse": {
        "type": "structure",
        "members": {
            "Tokens": {
                "target": "com.amazonaws.licensemanager#TokenList",
                "traits": {
                    "smithy.api#documentation": "<p>Received token details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
```

```
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying license\n consumption details by resource at a selected point in time. Use this action to audit the\n current license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical operators\n are supported:</p>\n <ul>\n <li>\n <p>\n <code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n </li>\n <li>\n <p>\n <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n </li>\n <li>\n <p>\n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n </li>\n </ul>"
                }
            }
```

```
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
        "type": "structure",
        "members": {

"LicenseConfigurationUsageList": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#Location": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#Long": {
        "type": "long"
    },
    "com.amazonaws.licensemanager#ManagedResourceSummary": {
        "type": "structure",
        "members": {
            "ResourceType":
{
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
                }
            },
            "AssociationCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
                }
            }
```

```
    },
    "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
    }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
    }
},
"com.amazonaws.licensemanager#MaxSize100": {

"type": "integer",
    "traits": {
        "smithy.api#range": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The key name.</p>"
            }
        },

"Value": {
            "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " The value. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes key/value pairs. "
}
},
"com.amazonaws.licensemanager#MetadataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Metadata"
}
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n \n \n As a grantor, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your organization. \n \n \n As a grantee, if the grantor creating the distributed grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n are activating the grant. \n \n \n <dl>\n <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n Use this value to activate a grant without replacing any member accounts\n active grants for the same product. \n </dd>\n <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n Use this value to activate a

grant and disable other active grants in any\n member accounts
for the same product. This action will also replace their\n previously activated grants with this activated grant. \n </dd>\n </dl>"
}
}
},
"traits": {
"smithy.api#documentation": " The options you can specify when you create a new version of a grant, such as activation\n override behavior. For more information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#OrganizationConfiguration": {
"type": "structure",
"members": {
"EnableIntegration": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,
"smithy.api#documentation": " Enables Organizations integration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Configuration information for Organizations. "
}
},
"com.amazonaws.licensemanager#PrincipalArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 1
}
}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Resource type. The possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a <code>ProductInformationFilterComparator</code> which is a logical operator, a <code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. \n The following filters and are supported when the resource type \n is <code>SSM_MANAGED</code>: \n \n \n \n <code>Application Name</code> - The name of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Publisher</code> - The publisher of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n \n \n \n \n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n \n \n <code>License Included</code> - The type of license included.\n Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are: <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n The following filters and logical operators are supported when the resource type\n is <code>RDS</code>: \n \n \n \n <code>Engine Edition</code> - The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>. \n \n \n \n <code>License Pack</code> - The license pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n <code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n \n ",
"smithy.api#required": {}
}
}
},

```
    "traits": {
        "smithy.api#documentation": "<p>Describes product information for a license configuration.</p>"
    }
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
    "type": "structure",
    "members": {
        "ProductInformationFilterName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Filter name.</p>",
                "smithy.api#required": {}
            }
        },
        "ProductInformationFilterValue": {
            "target": "com.amazonaws.licensemanager#StringList",

      "traits": {
                "smithy.api#documentation": "<p>Filter value.</p>"
            }
        },
        "ProductInformationFilterComparator": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Logical operator.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes product information filters.</p>"
    }
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ProductInformationFilter"
    }
},
"com.amazonaws.licensemanager#ProductInformationList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ProductInformation"
     }
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
    "type": "structure",
    "members": {
```

"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the provisional configuration, in minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "RateLimitExceeded",
"httpResponseCode": 429
},
"smithy.api#documentation": " Too many requests have been submitted. Try again after a brief wait. ",
"smithy.api#error": "client",
"smithy.api#httpError": 429
}
},
"com.amazonaws.licensemanager#ReceivedMetadata": {
"type": "structure",
"members": {
"ReceivedStatus": {
"target": "com.amazonaws.licensemanager#ReceivedStatus",
"traits": {
"smithy.api#documentation": " Received status. "
}
},
"ReceivedStatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Received status reason. "
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",

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            "traits": {
                "smithy.api#documentation": "<p>Allowed operations.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
    }
},
"com.amazonaws.licensemanager#ReceivedStatus": {
    "type": "enum",
    "members": {
        "PENDING_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_WORKFLOW"
            }
        },
        "PENDING_ACCEPT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue":
"PENDING_ACCEPT"
            }
        },
        "REJECTED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "REJECTED"
            }
        },
        "ACTIVE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ACTIVE"
            }
        },
        "FAILED_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED_WORKFLOW"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
```

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        },
        "DISABLED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DISABLED"
            }
        },
        "WORKFLOW_COMPLETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "WORKFLOW_COMPLETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#RedirectException": {
    "type": "structure",
    "members": {
        "Location": {
            "target": "com.amazonaws.licensemanager#Location",
            "traits": {
                "smithy.api#httpHeader": "Location"
            }
        },
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 308
    }
},
"com.amazonaws.licensemanager#RejectGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#RejectGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#RejectGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#RejectGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}

  }
    },
    "com.amazonaws.licensemanager#RejectGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
```

"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#RenewType":
{
"type": "enum",
"members": {
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"WEEKLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Weekly"
}
},
"MONTHLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Monthly"
}
}
}
},
"com.amazonaws.licensemanager#ReportContext": {
"type": "structure",
"members": {
"licenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "
}
},
"period": {
"target": "com.amazonaws.licensemanager#ReportFrequencyType",

"traits": {
"smithy.api#documentation": " Time period between each report. The period can be daily, weekly, or monthly. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
"type": "enum",
"members": {
"DAY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DAY"
}
},
"WEEK": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WEEK"
}
},

"MONTH": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "MONTH"
}
}
}
},
"com.amazonaws.licensemanager#ReportGenerator": {
"type": "structure",
"members": {
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the report generator. "
}
},
"ReportType": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports that are generated. "
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " License
configuration type for this generator. "
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. "
}
},
"LastRunStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the last report generation attempt. "
}

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            },
            "LastRunFailureReason":
 {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
                }
            },
            "LastReportGenerationTime": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
                }
            },
            "ReportCreatorAccount": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report
generator.</p>"
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",

        "traits": {
                    "smithy.api#documentation": "<p>Description of the report generator.</p>"
                }
            },
            "S3Location": {
                "target": "com.amazonaws.licensemanager#S3Location",
                "traits": {
                    "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
                }
            },
            "CreateTime": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Time the report was created.</p>"
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
                }
```

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}
    },
    "traits": {
        "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
    }
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ReportGenerator"
    }
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#ReportType": {
    "type": "enum",
    "members": {
        "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
            }

},
        "LICENSE_CONFIGURATION_USAGE_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "LicenseConfigurationUsageReport"
            }
        }
    }
},
"com.amazonaws.licensemanager#ReportTypeList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ReportType"
    }
},
"com.amazonaws.licensemanager#ResourceInventory": {
    "type": "structure",
    "members": {
```

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            "ResourceId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "Platform": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform of the resource.</p>"
                }
            },
            "PlatformVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
                }
            },
            "ResourceOwningAccountId":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventoryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ResourceInventory"
        }
```

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},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "ResourceLimitExceeded",

         "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
     "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_INSTANCE"
            }
        },
        "EC2_HOST": {
            "target": "smithy.api#Unit",
            "traits": {
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"smithy.api#enumValue": "EC2_HOST"
}
},
"EC2_AMI": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_AMI"
}
},
"RDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "RDS"
}
},
"SYSTEMS_MANAGER_MANAGED_INSTANCE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
}
}
}
},
"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"com.amazonaws.licensemanager#ServerInternalException": {
"type": "structure",
"members": {
"Message": {

"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InternalError",
"httpResponseCode": 500
},
"smithy.api#documentation": " The server experienced an internal error. Try again. ",
"smithy.api#error": "server",
"smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanager#SignedToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 4096
}
}
},
"com.amazonaws.licensemanager#StatusReasonMessage": {
"type": "string",
"traits":
{
"smithy.api#length": {
"min": 0,
"max": 400
},
"smithy.api#pattern": "^[\\s\\S]+$"
}
},
"com.amazonaws.licensemanager#String": {
"type": "string"
},
"com.amazonaws.licensemanager#StringList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#String"
}
},
"com.amazonaws.licensemanager#Tag": {
"type": "structure",
"members": {
"Key": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Tag key. "

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            }
          },
          "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation":
"<p>Tag value.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
        }
      },
      "com.amazonaws.licensemanager#TagKeyList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#String"
        }
      },
      "com.amazonaws.licensemanager#TagList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#Tag"
        }
      },
      "com.amazonaws.licensemanager#TagResource": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#TagResourceRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#TagResourceResponse"
        },
        "errors": [
          {
            "target":
"com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
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            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>One or more tags.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>"
                }
            },
```

"TokenType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Type of token generated. The supported value is <code>REFRESH_TOKEN</code>. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"ExpirationTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Token expiration time, in ISO8601-UTC format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",

```
        "member": {
            "target": "com.amazonaws.licensemanager#TokenData"
        }
    },
    "com.amazonaws.licensemanager#TokenString": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 4096
            },
            "smithy.api#pattern": "^\\S+$"
        }
    },
    "com.amazonaws.licensemanager#TokenType": {
        "type": "enum",
        "members": {
            "REFRESH_TOKEN": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REFRESH_TOKEN"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
{
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The digital signature method is unsupported. Try your request
again.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UntagResourceResponse"
        },
```

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Removes the specified tags from the specified license configuration. "
}
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanager#TagKeyList",
"traits": {
"smithy.api#documentation": " Keys identifying the tags to remove. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
"type": "structure",
"members": {},

"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Modifies the attributes of an existing license configuration. "
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},

"LicenseConfigurationStatus": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
"traits": {
"smithy.api#documentation": " New status of the license configuration. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " New license rule. The only rule that you can add after you create a license\n configuration is licenseAffinityToHost. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",

"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits":
{
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},

```
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to update.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types are supported:</p>\n        <ul>\n            <li>\n                <p>License configuration report - Reports the number and details of consumed licenses for a license configuration.</p>\n            </li>\n            <li>\n                <p>Resource report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n            </li>\n        </ul>",
                    "smithy.api#required": {}
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
                    "smithy.api#documentation": "<p>The report context.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportFrequency": {
                "target": "com.amazonaws.licensemanager#ReportFrequency",
```

"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},

```
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },

            {
                "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
            },
            {
                "target": "com.amazonaws.licensemanager#LicenseUsageException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified
Amazon Web Services resource.</p>\n        <p>You can update the license specifications of AMIs, instances, and
hosts.\n        You cannot update the license specifications for launch templates and CloudFormation templates, \n
  as they send license configurations to the operation that creates the resource.</p>"
        }
    },

    "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services
resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "AddLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
                }
            },
            "RemoveLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation":
 "<p>ARNs of the license configurations to remove.</p>"
                }
```

```
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
         },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
    }
},
"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
    "type": "structure",
    "members": {
        "S3BucketArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
Manager information is stored. "
}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Enables integration with Organizations for cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Activates cross-account discovery. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UsageOperation": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
}
}
},
"com.amazonaws.licensemanager#ValidationException": {

"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The provided input is not valid. Try your request again. ",

"smithy.api#error": "client",
"smithy.api#httpError": 400
}
}
}
}

1.6848 gorm-gorm 1.20.12

1.6848.1 Available under license :

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1.6849 pgproto3 2.0.6

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1.6850 aws-sdk-go-v2-config 1.27.27

1.6850.1 Available under license :

```
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
```

```
      uses: actions/checkout@v2
      with:
        path: new-ref
        fetch-depth: 0
    - name: Get Diff
      run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
    - name: Get Target Files
      run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
    - name: Checkout scancode
      uses: actions/checkout@v2
      with:
        repository: nexB/scancode-toolkit
        path: scancode-toolkit
        fetch-depth: 1
    - name: Set up Python ${{ matrix.python-version }}
       uses: actions/setup-python@v2
      with:
        python-version: ${{ matrix.python-version }}
    # ScanCode
    - name: Self-configure scancode
      working-directory: ./scancode-toolkit
      run: ./scancode --help
    - name: Run Scan code on target
      run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
    - name: Run Scan code on pr ref
      run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
CreateLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
```

RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
ListReceivedLicenses
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata

```
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
```

```
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
```

```
 *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
```

```
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}
```

```
type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.Entitlement

 // Home Region for the license.
 //
 // This member is required.
 HomeRegion *string

 // License issuer.
 //
 // This member is required.
 Issuer *types.Issuer

 // License name.
 //
 // This member is required.
 LicenseName *string

 // Product name.
 //
 // This member is required.
 ProductName *string

 // Product SKU.
 //
```

```
 // This member is required.
 ProductSKU *string

 // Date and time range during which the license is valid, in ISO8601-UTC format.
 //
 // This member is required.
 Validity *types.DatetimeRange

 // Information about
 the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }
```

```
if
err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return
err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
```

```
 return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
 return err
 }
 if err = addRecursionDetection(stack); err != nil {
 return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
 return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
 return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName:
 "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
```

```
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
```

```
}
err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil
```

```
 {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
CheckoutLicense
 Initialize stack step
```

RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
DisassociateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent

AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckoutBorrowLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing

```
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - ProductSKU
 //
 //   - Status
```

```
 //
 //
   - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
  return err
```

```
}
if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err
= smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
```

```
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
AssociateLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
```

```
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
```

```
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
```

```
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err
!= nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpGetLicenseValidationMiddleware(stack);
err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
```

```
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
```

```
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
```

```
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
```

```
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}
```

```
func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
ListLicenses
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
```

AWS SDK for Go

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{
  "smithy": "2.0",
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  "shapes": {
    "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
      "type": "integer"
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    "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
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    "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
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        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
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      "output": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
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        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
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    {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
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        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
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      ],
      "traits": {
        "smithy.api#documentation": "<p>Remove a third-party subscription provider from the Bring Your Own
License (BYOL) subscriptions \n\t\t\tregistered to your account.</p>",
        "smithy.api#http": {
          "code": 200,
          "method": "POST",
          "uri": "/subscription/DeregisterSubscriptionProvider"
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        "smithy.api#idempotent": {}
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
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      "members": {
        "SubscriptionProviderArn": {
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           "traits": {
             "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the subscription provider
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"smithy.api#required": {}
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}
},
"traits": {
"smithy.api#input": {}
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"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
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"traits": {
"smithy.api#output": {}
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"com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of name to filter by. "
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},
"Values": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " One or more values for the name to filter by. "
}
},
"Operator": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
"traits": {
"smithy.api#documentation": " An operator for filtering results. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria. "
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
"type":
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        }
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            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
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        "traits": {
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registered to your account.</p>",
            "smithy.api#http": {
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                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation":
 "<p>The Amazon Resource Name (ARN) of the BYOL registration resource to get details for.</p>",
                    "smithy.api#required": {}
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            }
        },
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"traits": {
"smithy.api#input": {}
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) for the BYOL registration resource specified in the request. "
}
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"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

"traits": {
"smithy.api#documentation": " The subscription provider for the BYOL registration resource specified \n\t\t\tin the request. "
}
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"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " The status of the Linux subscription provider access token from the last \n\t\t\tsuccessful subscription data request. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The detailed message from your subscription provider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time License Manager retrieved subscription details \n\t\t\tfrom your registered third-party Linux subscription provider. "

```
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
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      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
        "type": "operation",
        "input": {
          "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
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        "output": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
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          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
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          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
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        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists the Linux subscriptions service settings for your account.</p>",
          "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/subscription/GetServiceSettings"

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          "smithy.api#idempotent": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
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        "members": {}
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      "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
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        "members": {
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            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
            "traits": {
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"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
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},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " Lists
the settings defined for Linux subscriptions discovery. The settings include if\n Organizations integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}
},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
"type": "structure",
"members": {
"AmiId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The AMI ID used to launch the instance. "
}
},
"InstanceID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The instance ID of the resource. "
}

},
"InstanceType": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The instance type of the resource. "
}
},
"AccountID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The account ID which owns the instance. "
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the instance. "
}
},
"Region": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},
"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance

details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the license subscription that the instance uses. "
}
},
"OsVersion": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The operating system software version that runs on your instance. "
}
},
"SubscriptionProviderCreateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp when you registered the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses. "
}
},
"SubscriptionProviderUpdateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that the instance synced with the registered \n\t\t\tthird-party Linux subscription provider. "
}
},
"DualSubscription": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Indicates that you have two different license subscriptions for \n\t\t\tthe same software on your instance. "
}
},
"RegisteredWithSubscriptionProvider": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " Indicates that your instance uses a BYOL license subscription from \n\t\t\ta third-party Linux subscription provider that you've registered with License Manager. "
}
}
},
"traits": {
"smithy.api#documentation": " Details discovered information about a running instance using Linux

subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation":
" An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
"type": "service",
"version": "2018-05-10",
"operations": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
},
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
},
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
},
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
},
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
}
],
"traits": {
"aws.api#service": {
"sdkId": "License Manager Linux Subscriptions",
"arnNamespace": "license-manager-linux-subscriptions",
"cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
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"aws.auth#sigv4": {
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},
"aws.protocols#restJson1": {},
"smithy.api#cors": {
"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager,
you can discover and track your commercial Linux subscriptions on running\n Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"

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            },
            "UseDualStack": {
              "builtIn": "AWS::UseDualStack",
              "required": true,
              "default": false,
              "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
               "type": "Boolean"
            },
            "UseFIPS": {
              "builtIn": "AWS::UseFIPS",
              "required": true,
              "default": false,
              "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
              "type": "Boolean"
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              "required": false,
              "documentation": "Override the endpoint used to send this request",
              "type": "String"
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                        "ref": "Endpoint"
                      }
                    ]
                  }
              ],
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                    "conditions": [
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                        "fn": "booleanEquals",
                        "argv": [
                          {
                            "ref": "UseFIPS"
                          },
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                        ]
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```

```
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                "type": "error"
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                                        "ref": "UseDualStack"
                                    },
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                                ]

}
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                        "type": "error"
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                                "ref": "Endpoint"
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```

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"ref": "PartitionResult"

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"supportsFIPS"
]
}
]
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{
"fn": "booleanEquals",
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"fn": "getAttr",
"argv": [

{
"ref": "PartitionResult"
},
"supportsDualStack"
]
}
]
}
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"rules": [
{
"conditions": [],

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"properties": {},
"headers": {}
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"type": "endpoint"

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one or both",
                                "type": "error"
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```

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                    "type": "error"
                }
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                        },
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{
"fn": "getAttr",
"argv": [
{

"ref": "PartitionResult"
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"supportsDualStack"
]
}
]
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],
"rules": [
{
"conditions": [],
"rules": [

{
"conditions": [],
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"url": "https://license-manager-linux-subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
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"type": "tree"

}
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"type": "tree"
},
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"error": "DualStack is enabled but this partition does not support DualStack",
"type": "error"
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subscriptions.{Region}.{PartitionResult#dnsSuffix}",
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              "error": "Invalid Configuration: Missing Region",
              "type": "error"
            }
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          "type": "tree"
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    "smithy.rules#endpointTests": {
      "testCases": [
        {
          "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"

        }
          },
          "params": {
            "Region": "us-east-1",
            "UseFIPS": true,
            "UseDualStack": true
          }
        },
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{
"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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}
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"UseDualStack": false
}
},
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"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
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}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
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"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
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}

},
"params": {
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"UseFIPS": false,
"UseDualStack": false
}
},
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"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}

```
            },
            "params": {
                "Region": "cn-north-1",
                "UseFIPS": true,
                "UseDualStack": true
            }
        },
        {

"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
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                }
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                "UseDualStack": false
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                }
             },
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                "UseDualStack": true
            }
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                    "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
                }
            },
            "params": {
                "Region": "cn-north-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
```

"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
}

},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {

"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"

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            }
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS":
false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
            "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
        },
        "params": {
            "Region": "us-isob-east-1",
            "UseFIPS": true,
            "UseDualStack": true
        }
    },
    {
        "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
             }
        },
        "params": {
            "Region": "us-isob-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
        "expect": {
            "error": "DualStack is enabled but this partition does not support DualStack"
        },
        "params": {
            "Region": "us-isob-east-1",
            "UseFIPS": false,
            "UseDualStack": true
        }
    },
    {

       "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
```

"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{

"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,

"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {

"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled LinuxSubscriptionsDiscovery"

},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled LinuxSubscriptionsDiscovery"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
"type": "structure",

"members": {
"SourceRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Regions in which to discover data for Linux subscriptions. ",
"smithy.api#required": {}
}
},
"OrganizationIntegration": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
"traits": {
"smithy.api#documentation": " Details if you have enabled resource discovery across your accounts in Organizations. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Lists the settings defined for discovering Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",

"uri": "/subscription/ListLinuxSubscriptionInstances"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Instances"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":
{
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results by your specified criteria. \n \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the \n \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n \t<code>Value</code>, such as <code>us-west</code>. \n For each filter, you can specify one of the following values for the <code>Name</code> key \n \tto streamline results: \n \n \n \n <code>AccountID</code>\n \n \n \n \n <code>AmiID</code>\n \n \n \n \n <code>DualSubscription</code>\n \n \n \n \n <code>InstanceID</code>\n \n \n \n \n <code>InstanceType</code>\n \n \n \n \n <code>ProductCode</code>\n \n \n \n \n <code>Region</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>UsageOperation</code>\n \n \n \n For each filter, you can use one of the following <code>Operator</code>
values to \n \t\tdefine the behavior of the filter: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " A token to specify where to
start paginating. This \n\tis the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
"type": "structure",
"members": {
"Instances": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
"traits": {
"smithy.api#documentation": " An array that contains instance objects. "
}
},
"NextToken": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"

```
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the Linux subscriptions that have been discovered. If you have
linked your\n      organization, the returned results will include data aggregated across your accounts in\n
Organizations.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListLinuxSubscriptions"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",

   "items": "Subscriptions"
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify. For example, you can filter by the name of\n
 <code>Subscription</code> with an optional operator to see subscriptions that match,\n      partially match, or don't
match a certain subscription's name.</p>\n        <p>The valid names for this filter are:</p>\n        <ul>\n
<li>\n              <p>\n                <code>Subscription</code>\n              </p>\n          </li>\n        </ul>\n
<p>The
 valid Operators for this filter are:</p>\n        <ul>\n          <li>\n              <p>\n
<code>contains</code>\n              </p>\n          </li>\n          <li>\n              <p>\n
<code>equals</code>\n              </p>\n          </li>\n          <li>\n              <p>\n
<code>Notequal</code>\n              </p>\n          </li>\n        </ul>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
                }
            },
```

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis
the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
"type": "structure",
"members": {
"Subscriptions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
"traits": {
"smithy.api#documentation": " An array that contains subscription objects. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
"type": "operation",
"input": {
"target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
},
"output": {
"target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List Bring Your Own License (BYOL) subscription registration resources for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListRegisteredSubscriptionProviders"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "RegisteredSubscriptionProviders"
}
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
"type": "structure",
"members": {
"SubscriptionProviderSources": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
"traits": {
"smithy.api#documentation": " To filter your results, specify which subscription providers to return \n\t\t\tin the list. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. ",
"smithy.api#range": {
"min": 1,
"max": 100
}
}

},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis the nextToken from a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
"type": "structure",
"members": {
"RegisteredSubscriptionProviders": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
"traits": {
"smithy.api#documentation": " The list of BYOL registration resources that fit the criteria \n\t\t\tyou specified in the request. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List the metadata tags that are assigned to the \n\t\t\tspecified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "GET",
"uri": "/tags/{resourceArn}"
},
"smithy.api#readonly": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource for which to list metadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
"type": "structure",
"members": {
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags for the requested resource. "
}
}
},
"traits": {
"smithy.api#output": {}

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
      "type": "string",
      "traits": {
        "smithy.api#enum": [
          {
            "name": "EQUAL",
            "value": "Equal",
            "documentation": "Equal operator"
          },
          {
            "name": "NOT_EQUAL",
            "value": "NotEqual",
            "documentation": "Not equal operator"
          },
          {
            "name": "CONTAINS",
            "value": "Contains",
            "documentation": "Contains operator"
          }
        ],
        "smithy.api#length": {
          "min": 1,
          "max": 20
        }
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
      "type": "string",
      "traits": {
        "smithy.api#enum": [
          {
            "name": "Enabled",
            "value": "Enabled",
            "documentation": "Enabled OrganizationIntegration"
          },
          {
            "name": "Disabled",
            "value": "Disabled",
            "documentation": "Disabled OrganizationIntegration"
          }
        ]
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
      "type": "list",
```

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        "member": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
         },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Register the supported third-party subscription provider for your Bring
Your Own License (BYOL) subscription.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/RegisterSubscriptionProvider"

          },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation": "<p>The supported Linux subscription provider to register.</p>",
                    "smithy.api#required": {}
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                "traits": {
```

"smithy.api#documentation": " The Amazon Resource Name (ARN) of the secret where you've stored your subscription provider's access token. For \n\t\t\tRHEL subscriptions managed through the Red Hat Subscription Manager (RHSM), the secret contains \n\t\t\tyour Red Hat Offline token. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to your registered Linux subscription provider \n\t\t\tresource. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " The Linux subscription provider that you registered. "
}
},
"SubscriptionProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " Indicates the status of the registration action for the Linux subscription provider \n\t\t\tthat you requested. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider":

```
{
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
                }
            },
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation": "<p>A supported third-party Linux subscription provider. License
Manager currently supports \n\t\t\tRed Hat subscriptions.</p>"
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                 "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Secrets Manager secret
that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is
the offline token.</p>"
                }
            },
            "SubscriptionProviderStatus": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of your registered Linux subscription provider
access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions,
\n\t\t\tthis is the status of the offline token.</p>"
                }
            },
            "SubscriptionProviderStatusMessage": {
                "target": "smithy.api#String",
                "traits":
{
                    "smithy.api#documentation": "<p>A detailed message that's associated with your BYOL subscription
\n\t\t\tprovider token status.</p>"
                }
            },
            "LastSuccessfulDataRetrievalTime": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The timestamp from the last time that License Manager accessed
third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider.</p>"
                }
            }
```

```
        },
        "traits": {
            "smithy.api#documentation": "<p>A third-party provider for operating system (OS) platform software and
license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider,
License Manager can get subscription data from the registered provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
 {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Unable to find the requested Amazon Web Services resource.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-
\\.]{0,63}:secret:[^/]{1,1023}$"

    }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "InProgress",
                    "value": "InProgress",
                    "documentation": "InProgress status"
                },
                {
                    "name": "Completed",
                    "value": "Completed",
                    "documentation": "Completed status"
                },
```

```
            {
                "name": "Successful",
                "value": "Successful",
                "documentation": "Successful status"
            },
            {
                "name": "Failed",
                "value": "Failed",
                "documentation": "Failed status"
            }
        ]
    }
},

"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String",
        "traits": {
            "smithy.api#length": {
                "min": 1,
                "max": 100
            }
        }
    },
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 100
        },
        "smithy.api#uniqueItems": {}
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
    "type": "map",
    "key": {
        "target": "smithy.api#String"
    },
    "value": {
        "target": "smithy.api#String"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
    "type": "structure",
    "members": {
        "Name":
{
            "target": "smithy.api#String",
```

"traits": {
"smithy.api#documentation": " The name of the subscription. "
}
},
"Type": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS. "
}
},
"InstanceCount": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
"traits": {
"smithy.api#documentation": " The total amount of running instances using this subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " An object which details a discovered Linux subscription. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
"type": "string",
"traits": {
"smithy.api#enum": [

{
"name": "RedHat",
"value": "RedHat",
"documentation": "RedHat subscription provider namespace"
}

```
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "ACTIVE",
                    "value": "ACTIVE",
                    "documentation": "ACTIVE status"
                },
                {
                    "name": "INVALID",
                    "value": "INVALID",

"documentation": "INVALID status"
                },
                {
                    "name": "PENDING",
                    "value": "PENDING",
                    "documentation": "PENDING status"
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
        "type": "list",
        "member": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
        "type": "operation",
        "input": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Add metadata tags to the specified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "PUT",
"uri": "/tags/{resourceArn}"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
"type": "structure",
"members":
{
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to which to add the specified \n\t\t\tmetadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to the Amazon Web Services resource. Tags are \n\t\t\tformatted as key value pairs. ",
"smithy.api#required": {}
}
}
},

```
        "traits": {
            "smithy.api#input": {}
        }

    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
        "value": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation":
"<p>The request was denied due to request throttling.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
```

```
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web
Services resource.</p>",
             "smithy.api#http": {
                "method": "DELETE",
                "uri": "/tags/{resourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
        "type": "structure",
        "members": {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to remove the metadata tags from.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "tagKeys": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
                "traits": {

            "smithy.api#documentation": "<p>A list of metadata tag keys to remove from the requested
\n\t\t\tresource.</p>",
                    "smithy.api#httpQuery": "tagKeys",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
        "type": "structure",
```

```
    "members": {},
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"

 },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Updates the service settings for Linux subscriptions.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/subscription/UpdateServiceSettings"
        },
        "smithy.api#idempotent": {}
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
    "type": "structure",
    "members": {
         "LinuxSubscriptionsDiscovery": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
            "traits": {
                "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
                "smithy.api#required": {}
            }
        },
        "LinuxSubscriptionsDiscoverySettings": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
            "traits": {
```

"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. ",
"smithy.api#required": {}
}
},
"AllowUpdate": {
"target": "smithy.api#Boolean",
"traits": {
"smithy.api#documentation": " Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}

```
        },
            "HomeRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
            "smithy.api#error": "client"
        }
    }
  }
}
```


```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
```

```
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
```

```
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err !=
nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil
{
 return err
```

```
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
DeleteLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
```

ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
GetLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader

```
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
```

```
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string
```

```
 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
```

```
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return
 err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
```

```
 return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
```

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```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata
```

```
 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if
 err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
```

```
 return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil
 {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
```

OperationName: "CheckInLicense",
}
}

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```
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// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }
```

```
 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
```

```
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack,
options, "ListLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack);
```

```
 err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:
     ServiceID,
  OperationName: "ListLicenses",
 }
}
CheckInLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
```

Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "shapes": {
      "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
          "type": "structure",
          "members": {
              "message": {
                  "target": "smithy.api#String"
              }
          },
          "traits": {
              "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
              "smithy.api#error": "client"
          }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
          "type": "structure",
          "members": {
```

"DirectoryId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The directory ID for an Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation":
" Details about an Active Directory identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Associates the user to an EC2 instance to utilize user-based subscriptions. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see <a

href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n
monthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/AssociateUser"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the
EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The identity provider of the user. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",

```
                "traits": {
                  "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
                  "smithy.api#required": {}
                }
              }
            }
          },
          "com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
            "type": "integer"
          },
          "com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
            "type": "structure",
            "members": {
              "message": {
                "target": "smithy.api#String"
              }
            },
            "traits": {
              "smithy.api#documentation": "<p>The request couldn't be completed because it conflicted with the current
state of the\n      resource.</p>",
              "smithy.api#error": "server"
            }
          },
          "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider":
 {
            "type": "operation",
            "input": {
              "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
            },
            "output": {
              "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
            },
            "errors": [
              {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
              },
              {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
              },
              {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
              },
              {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
              },
              {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deregisters the identity provider from providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/DeregisterIdentityProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
        "type": "structure",
        "members": {
            "IdentityProviderSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
                "traits": {
                    "smithy.api#documentation":
 "<p>Metadata that describes the results of an identity provider operation.</p>",
                    "smithy.api#required": {}
                }
```

```
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/DisassociateUser"
            },
            "smithy.api#idempotent": {}
        }

 },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest": {
        "type": "structure",
```

```
        "members": {
          "Username": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
              "smithy.api#required": {}
            }
          },
          "InstanceId": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
              "smithy.api#required": {}
            }
          },
          "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
              "smithy.api#documentation":
 "<p>An object that specifies details for the identity provider.</p>",
              "smithy.api#required": {}
            }
          },
          "Domain": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The domain name of the user.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
        "type": "structure",
        "members": {
          "InstanceUserSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
            "traits": {
              "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
              "smithy.api#required": {}
            }
          }
        }
      },

 "com.amazonaws.licensemanagerusersubscriptions#Filter": {
        "type": "structure",
        "members": {
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"Attribute": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of an attribute to use as a filter. "
}
},
"Operation": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of search (For example, eq, geq, leq) "
}
},
"Value": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Value of the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used to return more specific results from a describe\n operation. Filters can be used to match a set of resources by specific criteria, such as tags,\n attributes, or IDs. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
"type": "union",
"members": {
"ActiveDirectoryIdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
"traits": {
"smithy.api#documentation": " An object that details an Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
"type": "structure",

"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " An object that details the registered identity providers product related configuration\n settings such as the subnets to provision VPC endpoints. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of an identity provider. ",
"smithy.api#required": {}
}
},
"FailureMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The failure message associated with an identity provider. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
}

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    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status
 of an EC2 instance resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "Products": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
                    "smithy.api#required": {}
                }
            },
            "LastStatusCheckDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The date of the last status check.</p>"
                }
            },
            "StatusMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
                }

    }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {
        "type": "list",
        "member": {
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"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a user associated with an EC2 instance. ",
"smithy.api#required": {}
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for users of an EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},

"AssociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was associated with an EC2 instance. "
}
},
"DisassociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was disassociated from an EC2 instance. "
}
}

},
"traits": {
"smithy.api#documentation": " Describes users of an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
"type": "service",

"version": "2018-05-10",
"operations": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
},

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        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"

},
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
        }
      ],
      "traits": {
        "aws.api#service": {
          "sdkId": "License Manager User Subscriptions",
          "arnNamespace": "license-manager-user-subscriptions",
          "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
        },
        "aws.auth#sigv4": {
          "name": "license-manager-user-subscriptions"
         },
        "aws.protocols#restJson1": {},
        "smithy.api#cors": {
          "additionalAllowedHeaders": [
            "*",
            "content-type",
            "x-amz-content-sha256",
            "x-amz-user-agent",
            "x-amzn-platform-id",
            "x-amzn-trace-id",
            "content-length",
```

"x-api-key",
"authorization",
"x-amz-date",
"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"

]
},
"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n a per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"

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            }

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        "rules": [
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                "conditions": [
                    {
                        "fn": "isSet",
                        "argv": [
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                                "ref": "Endpoint"
                            }
                        ]
                    }
                ],
                "type": "tree",
                "rules": [
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    {
                                        "ref": "UseFIPS"
                                    },

                                true
                                ]
                            }
                        ],
                        "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                        "type": "error"
                    },
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    {
                                        "ref": "UseDualStack"
                                    },
                                    true
                                ]
                            }
                        ],

        "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                        "type": "error"
```

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            },
            {
              "conditions": [],
              "endpoint": {
                "url": {
                  "ref": "Endpoint"
                },
                "properties": {},
                "headers": {}
              },
              "type": "endpoint"
            }
          ]
        },
        {
          "conditions": [
            {
              "fn": "isSet",
              "argv": [

    {
                  "ref": "Region"
                }
              ]
            }
          ],
          "type": "tree",
          "rules": [
            {
              "conditions": [
                {
                  "fn": "aws.partition",
                  "argv": [
                    {
                      "ref": "Region"
                    }
                  ],
                  "assign": "PartitionResult"
                }
              ],
              "type": "tree",

  "rules": [
                {
                  "conditions": [
                    {
                      "fn": "booleanEquals",
                      "argv": [
```

```
                    {
                        "ref": "UseFIPS"
                    },
                    true
                ]
            },
            {
                "fn": "booleanEquals",
                "argv": [
                    {
                        "ref": "UseDualStack"

                    },
                    true
                ]
            }
        ],
        "type": "tree",
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {
                                "fn": "getAttr",

"argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsFIPS"
                                ]
                            }
                        ]
                    },
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {

"fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
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"supportsDualStack"
]
}
]
}
],
"type": "tree",
"rules": [
{

"conditions": [],
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
},
{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
]
},
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"
},
true
]
}
],
"type": "tree",

"rules": [
{
"conditions": [
{
"fn": "booleanEquals",

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                "argv": [
                  true,
                  {
                    "fn": "getAttr",
                    "argv": [
                      {
                        "ref": "PartitionResult"
                      },
                      "supportsFIPS"

                ]
                  }
                ]
              }
            ],
            "type": "tree",
            "rules": [
              {
                "conditions": [],
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
                  "properties": {},
                  "headers": {}

        },
                "type": "endpoint"
              }
            ]
          },
          {
            "conditions": [],
            "error": "FIPS is enabled but this partition does not support FIPS",
            "type": "error"
          }
        ]
      },
      {
        "conditions": [
          {
            "fn": "booleanEquals",
            "argv": [
              {
                "ref": "UseDualStack"
              },
              true
            ]
          }
```

```
                ],
                "type": "tree",
                "rules": [
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                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    true,
                                    {

                                  "fn": "getAttr",
                                        "argv": [
                                            {
                                                "ref": "PartitionResult"
                                            },
                                            "supportsDualStack"
                                        ]
                                    }
                                ]
                            }
                        ],
                        "type": "tree",
                        "rules": [
                            {

                              "conditions": [],
                                "endpoint": {
                                    "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                    "properties": {},
                                    "headers": {}
                                },
                                "type": "endpoint"
                            }
                        ]
                    },
                    {
                        "conditions": [],
                        "error": "DualStack is enabled but this partition does
 not support DualStack",
                        "type": "error"
                    }
                ]
            },
            {
                "conditions": [],
                "endpoint": {
```

"url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
}
]
},
{
"conditions":
[],
"error": "Invalid Configuration: Missing Region",
"type": "error"
}
]
},
"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation":
"For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},

{
"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
}
},

"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with
FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}

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                },

            "params": {
                    "Region": "cn-north-1",
                    "UseFIPS": true,
                    "UseDualStack": false
                }
            },
            {
                "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
                    }
                },
                "params": {
                    "Region": "cn-north-1",
                    "UseFIPS": false,
                    "UseDualStack": true
                }
            },
            {
                "documentation": "For region cn-north-1
with FIPS disabled and DualStack disabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
                    }
                },
                "params": {
                    "Region": "cn-north-1",
                    "UseFIPS": false,
                    "UseDualStack": false
                }
            },
            {
                "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
                    }
                },

        "params": {
                    "Region": "us-gov-east-1",
                    "UseFIPS": true,
                    "UseDualStack": true
                }
```

```
            },
            {
              "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
                }
              },
              "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": true,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-gov-east-1
with FIPS disabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
                }
              },
              "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": false,
                "UseDualStack": true
              }
            },
            {
              "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
                }
              },

    "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
              },
              "params": {
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"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect":
{
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack":
true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but

this partition does not support one or both"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}

},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{

"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"

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                }
            },
            {
                "documentation": "Missing region",
                "expect": {
                    "error": "Invalid Configuration: Missing Region"
                }
            }
        ],
        "version": "1.0"
    }
  }
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
  "type": "operation",
  "input": {
    "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
  },
  "output": {
    "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
  },
  "errors": [
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
     },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
    }
  ],
  "traits": {
    "smithy.api#documentation": "<p>Lists the identity providers for user-based subscriptions.</p>",
    "smithy.api#http": {
      "code": 200,
```

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            "method": "POST",
            "uri": "/identity-provider/ListIdentityProviders"
          },
          "smithy.api#paginated":
{
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
            "items": "IdentityProviderSummaries"
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
        "type": "structure",
        "members": {
          "MaxResults": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse":
{
        "type": "structure",
        "members": {
          "IdentityProviderSummaries": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
            "traits": {
              "smithy.api#documentation": "<p>Metadata that describes the list identity providers operation.</p>",
              "smithy.api#required": {}
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        }
      },
```

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"com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/instance/ListInstances"
        },
        "smithy.api#paginated": {
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
            "items": "InstanceSummaries"
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
    "type": "structure",
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"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
"type": "structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list instances operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"

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        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity
provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/ListProductSubscriptions"
            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "ProductUserSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
        "type": "structure",
        "members": {
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name
```

of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {

"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
"type": "structure",
"members": {
"ProductUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions operation. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "

```
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
          },
          {
            "target":
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
          "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/user/ListUserAssociations"
          },
          "smithy.api#paginated":
{
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
```

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            "items": "InstanceUserSummaries"
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
        "type": "structure",
        "members": {
          "InstanceId": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
              "smithy.api#required": {}
            }
          },
          "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
              "smithy.api#documentation": "<p>An object that specifies details for the identity
 provider.</p>",
              "smithy.api#required": {}
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          },
          "Filters": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
            "traits": {
              "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify.</p>"
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for
 the next set of results.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
        "type": "structure",
        "members": {
```

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        "InstanceUserSummaries": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
            "traits": {
                "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    }
  },
  "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
    "type": "structure",
    "members": {

    "Username": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
                "smithy.api#required": {}
            }
        },
        "Product": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                "smithy.api#required": {}
            }
        },
        "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
                "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                "smithy.api#required": {}
            }

  },
        "Status": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The status of a product for a user.</p>",
                "smithy.api#required": {}
            }
        },
        "StatusMessage": {
```

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for a product for a user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},
"SubscriptionStartDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The
start date of a subscription. "
}
},
"SubscriptionEndDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The end date of a subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " The summary of the user-based subscription products for a user. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Registers an identity provider for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/RegisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",

"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings such as the\n subnets to provision VPC endpoints. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary":
{
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The resource couldn't be found. ",
"smithy.api#error": "client",
"smithy.api#httpError": 404
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
"type": "string",

"traits": {
"smithy.api#length": {
"min": 5,
"max": 200
},
"smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
"type": "structure",
"members": {

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            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The request failed because a service quota is exceeded.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Settings": {
        "type": "structure",
        "members": {
            "Subnets": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
                "traits": {
                    "smithy.api#documentation":
 "<p>The subnets defined for the registered identity provider.</p>",
                    "smithy.api#length": {
                        "min": 1
                    },
                    "smithy.api#required": {}
                }
            },
            "SecurityGroupId": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
                "traits": {
                    "smithy.api#documentation": "<p>A security group ID that allows inbound TCP port 1688
communication between resources in\n      your VPC and the VPC endpoint for activation servers.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The registered identity providers product related configuration settings
such as the\n      subnets to provision VPC endpoints, and the security group ID that
 is associated with the VPC\n      endpoints. The security group should permit inbound TCP port 1688
communication from resources\n      in the VPC.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
        },
        "errors": [
```

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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Starts a product subscription for a user with the specified identity
provider.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related costs
will take 48\n        hours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing status)
in Amazon Web Services Billing.
 For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n          monthly
charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/StartProductSubscription"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
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"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"

},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Stops a product subscription for a user with the specified identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StopProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required":
{}
}
},
"Product": {
"target": "smithy.api#String",

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            "traits": {
                "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                "smithy.api#required": {}
            }
        },
        "Domain": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The domain name of the user.</p>"
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
    "type": "structure",
    "members": {
        "ProductUserSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
            "traits": {
                "smithy.api#documentation":
"<p>Metadata that describes the start product subscription operation.</p>",
                "smithy.api#required": {}
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#StringList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#Subnet": {
    "type": "string",
    "traits": {
        "smithy.api#pattern": "subnet-[a-z0-9]{8,17}"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#Subnets": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
    "type": "structure",
    "members": {
        "message": {
```

"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request was denied because of request throttling. Retry the request. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
},
"output": {
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"errors": [
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"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
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"traits": {
"smithy.api#documentation": " Updates additional product configuration settings for the registered identity\n provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/UpdateIdentityProviderSettings"
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"smithy.api#idempotent": {}
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"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
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"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",

"traits": {
"smithy.api#required": {}
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"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
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"UpdateSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related configuration settings. You can\n update any combination of settings in a single operation such as the: \n \n \n Subnets which you want to add to provision VPC endpoints. \n \n \n Subnets which you want to remove the VPC endpoints from. \n \n \n Security group ID which permits traffic to the VPC endpoints. \n \n ",
"smithy.api#required": {}
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"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
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"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
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"traits": {
"smithy.api#documentation": " The ID of one or more subnets in which License Manager will create a VPC endpoint for products that\n require connectivity to activation servers. ",
"smithy.api#required": {}
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"RemoveSubnets": {

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"smithy.api#documentation": " The ID of one or more subnets to remove. ",
"smithy.api#required": {}
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"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID
that allows inbound TCP port 1688 communication between resources in\n your VPC and the VPC endpoints for activation servers. "
}
}
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"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related configuration settings such as\n the subnets to provision VPC endpoints. "
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"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
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"members": {
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"target": "smithy.api#String"
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"traits": {
"smithy.api#documentation": " A parameter is not valid. ",
"smithy.api#error": "client"
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"namespace": "*"
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            "id": "HttpUriConflict",
            "namespace": "*"
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            "namespace": "*"
        }
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"shapes": {
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                "target": "com.amazonaws.licensemanager#CreateGrantVersion"
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                "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
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                "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
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      "target": "com.amazonaws.licensemanager#CreateToken"
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      "target": "com.amazonaws.licensemanager#DeleteToken"
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      "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

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      "target": "com.amazonaws.licensemanager#GetGrant"
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      "target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
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      "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
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"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
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"target": "com.amazonaws.licensemanager#UpdateServiceSettings"
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"arnNamespace": "license-manager",
"cloudFormationName": "LicenseManager",
"cloudTrailEventSource": "licensemanager.amazonaws.com",
"endpointPrefix": "license-manager"
},
"aws.auth#sigv4": {
"name": "license-manager"
},
"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"

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              "required": false,
              "documentation": "The AWS region used to dispatch the request.",
              "type": "String"
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            "UseDualStack": {
              "builtIn": "AWS::UseDualStack",
              "required": true,
              "default": false,
              "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
              "type": "Boolean"
            },
            "UseFIPS": {
              "builtIn": "AWS::UseFIPS",
              "required": true,
              "default": false,
              "documentation": "When true, send
 this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant
endpoint, dispatching the request will return an error.",
              "type": "Boolean"
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            "Endpoint": {
              "builtIn": "SDK::Endpoint",
              "required": false,
              "documentation": "Override the endpoint used to send this request",
              "type": "String"
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                "type": "error"
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                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                "type": "error"
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                        "argv": [
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              }
            ]
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partition does not support FIPS",
            "type": "error"
          }
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                    "argv": [
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    "supportsDualStack"
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                        "type": "error"
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                    "headers": {}
                },
                "type": "endpoint"
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    "type": "error"
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"smithy.rules#endpointTests": {
    "testCases": [
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    "UseDualStack": false
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    "UseDualStack": false
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"params": {
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"params": {
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"UseFIPS": false,
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"documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",

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"UseFIPS": false,
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"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
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"params": {
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"UseFIPS": false,
"UseDualStack": false
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"expect": {

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"params": {
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            "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
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                "endpoint": {
                    "url": "https://license-manager-fips.us-east-1.api.aws"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": true,

                "UseDualStack": true
            }
        },
        {
            "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.us-east-1.api.aws"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": true
            }
        },
        {
            "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url":
```

"https://license-manager.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-northwest-1",
"UseFIPS": false,
"UseDualStack": false

}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}

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      },
      {
        "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
          }
        },
        "params": {
          "Region": "cn-north-1",
          "UseFIPS": false,
          "UseDualStack": true
        }
      },

    {
        "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.us-gov-east-1.amazonaws.com"
          }
        },
        "params": {
          "Region": "us-gov-east-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
      },
      {
        "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
          }
         },
        "params": {
          "Region": "us-gov-east-1",
          "UseFIPS": true,
          "UseDualStack": false
        }
      },
      {
        "documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.us-gov-west-1.amazonaws.com"
          }
        },
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"params": {
"Region": "us-gov-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation":
"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-west-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.api.aws"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}

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      },
      {
        "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
          }
        },
        "params": {
          "Region": "us-isob-east-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
      },

    {
        "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
          "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
        },
        "params": {
          "Region": "us-isob-east-1",
          "UseFIPS": true,
          "UseDualStack": true
        }
      },
      {
        "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
          }
        },

"params": {
          "Region": "us-isob-east-1",
          "UseFIPS": true,
          "UseDualStack": false
        }
      },
      {
        "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
        "expect": {
          "error": "DualStack is enabled but this partition does not support DualStack"
        },
        "params": {
          "Region": "us-isob-east-1",
          "UseFIPS": false,
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"UseDualStack": true
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,

"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {

"error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
"output": {
"target": "com.amazonaws.licensemanager#AcceptGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"

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            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"

    }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant
ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
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"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#AccessDeniedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
"httpResponseCode": 401
},
"smithy.api#documentation": " Access to resource denied. ",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
"type": "enum",
"members": {
"DISTRIBUTED_GRANTS_ONLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
}
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperation": {

"type": "enum",
"members": {
"CREATE_GRANT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateGrant"
}

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            },
            "CHECKOUT_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckoutLicense"
                }
            },
            "CHECKOUT_BORROW_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckoutBorrowLicense"
                }
            },
            "CHECK_IN_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckInLicense"
                }
            },
            "EXTEND_CONSUMPTION_LICENSE":
{
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ExtendConsumptionLicense"
                }
            },
            "LIST_PURCHASED_LICENSES": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ListPurchasedLicenses"
                }
            },
            "CREATE_TOKEN": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CreateToken"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#AllowedOperationList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#AllowedOperation"
        },
        "traits": {
            "smithy.api#length": {
                "min": 1,
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"max":
7
}
}
},
"com.amazonaws.licensemanager#Arn": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 2048
},
"smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
}
},
"com.amazonaws.licensemanager#ArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
}
},
"com.amazonaws.licensemanager#AuthorizationException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError":
{
"code": "AuthorizationFailure",
"httpResponseCode": 403
},
"smithy.api#documentation": " The Amazon Web Services user account does not have permission to perform the action. Check the IAM\n policy associated with this account. ",
"smithy.api#error": "client",
"smithy.api#httpError": 403
}
},
"com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
"type": "structure",
"members": {
"LastRunTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time that automated discovery last ran. "

```
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Describes automated discovery.</p>"
        }
      },

  "com.amazonaws.licensemanager#Boolean": {
        "type": "boolean",
        "traits": {
          "smithy.api#default": false
        }
      },
      "com.amazonaws.licensemanager#BorrowConfiguration": {
        "type": "structure",
        "members": {
          "AllowEarlyCheckIn": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
              "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
              "smithy.api#required": {}
            }
          },
          "MaxTimeToLiveInMinutes": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
              "smithy.api#required": {}
            }
          }

},
        "traits": {
          "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
        }
      },
      "com.amazonaws.licensemanager#BoxBoolean": {
        "type": "boolean"
      },
      "com.amazonaws.licensemanager#BoxInteger": {
        "type": "integer"
      },
      "com.amazonaws.licensemanager#BoxLong": {
        "type": "long"
      },
      "com.amazonaws.licensemanager#CheckInLicense": {
        "type": "operation",
```

```
        "input": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"

    },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseRequest":
 {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}
                }
```

```
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
            },
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            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
        "type": "structure",
        "members":
 {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must
use the borrow consumption configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
                    "smithy.api#required": {}
                }
            },
            "DigitalSignatureMethod": {
                "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
                "traits": {
                    "smithy.api#documentation": "<p>Digital signature method. The possible
 value is JSON Web Signature (JWS) algorithm PS384.\n        For more information, see <a
href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS</a>.</p>",
                    "smithy.api#required": {}
                }
            },
```

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            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },
            "EntitlementsAllowed":
{
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
                }
            },
            "NodeId": {
```

```
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
            }
        },
        "SignedToken": {
            "target": "com.amazonaws.licensemanager#SignedToken",
            "traits": {
                "smithy.api#documentation": "<p>Signed token.</p>"
            }
        },
        "IssuedAt": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
            }
        },
        "Expiration": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
            }
        },
        "CheckoutMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
                "smithy.api#documentation": "<p>Information about constraints.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CheckoutLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
     },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license. \n <note>\n If the account that created the license is the same that is performing the check out, you must\n specify the account as the beneficiary. \n </note>"
}
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
"type": "structure",
"members": {
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {

"smithy.api#documentation": " Checkout type. ",
"smithy.api#required": {}
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Key fingerprint identifying the license. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
"type": "structure",
"members": {

"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. "
}
},
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},
"EntitlementsAllowed": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " Allowed license entitlements. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and
time at which the license checkout expires. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the checkout license. "
}

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        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CheckoutType": {
    "type": "enum",
    "members": {
        "PROVISIONAL": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PROVISIONAL"
            }
        },
        "PERPETUAL": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PERPETUAL"
            }
        }
    }
},
"com.amazonaws.licensemanager#ClientRequestToken": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 36
        }
    }
},
"com.amazonaws.licensemanager#ClientToken": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 2048
        },
        "smithy.api#pattern": "^\\S+$"
    }
},
"com.amazonaws.licensemanager#ConflictException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
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        },
        "traits": {
          "aws.protocols#awsQueryError": {
            "code": "ConflictException",
            "httpResponseCode":
 409
          },
          "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 409
        }
      },
      "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
        "type": "structure",
        "members": {
          "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
              "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
            }
          },
          "ConsumedLicenses": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
              "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
            }
          }
        },

 "traits": {
          "smithy.api#documentation": "<p>Details about license consumption.</p>"
        }
      },
      "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
        }
      },
      "com.amazonaws.licensemanager#ConsumptionConfiguration": {
        "type": "structure",
        "members": {
          "RenewType": {
            "target": "com.amazonaws.licensemanager#RenewType",
            "traits": {
              "smithy.api#documentation": "<p>Renewal frequency.</p>"
            }
```

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            },
            "ProvisionalConfiguration": {
                "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
                }
            },
            "BorrowConfiguration": {
                "target": "com.amazonaws.licensemanager#BorrowConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
```

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            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of license\n        entitlements with a specific Amazon Web Services account, an organization, or an\n organizational unit (OU). For more
 information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>",
                    "smithy.api#required": {}

    }
            },
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Principals": {
                "target": "com.amazonaws.licensemanager#PrincipalArnList",
                "traits": {
                    "smithy.api#documentation": "<p>The grant principals. You can specify one of the following as an Amazon Resource Name\n        (ARN):</p>\n        <ul>\n            <li>\n                <p>An Amazon Web Services account, which includes only the account specified.</p>\n            </li>\n        </ul>\n        <ul>\n            <li>\n
    <p>An organizational unit (OU), which includes all accounts in the OU.</p>\n            </li>\n        </ul>\n <ul>\n
            <li>\n                <p>An organization, which will include all accounts across your organization.</p>\n </li>\n        </ul>",
                    "smithy.api#required": {}
                }
```

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        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Home Region of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "AllowedOperations": {
            "target": "com.amazonaws.licensemanager#AllowedOperationList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersion":
```

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{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
             },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information, see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",

    "smithy.api#required": {}
                }
```

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    },
    "GrantArn": {
        "target": "com.amazonaws.licensemanager#Arn",
        "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
            "smithy.api#required": {}
        }
    },
    "GrantName": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Grant name.</p>"
        }
    },
    "AllowedOperations": {
        "target": "com.amazonaws.licensemanager#AllowedOperationList",
        "traits": {
            "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
        }
    },
    "Status": {
        "target": "com.amazonaws.licensemanager#GrantStatus",
         "traits": {
            "smithy.api#documentation": "<p>Grant status.</p>"
        }
    },
    "StatusReason": {
        "target": "com.amazonaws.licensemanager#StatusReasonMessage",
        "traits": {
            "smithy.api#documentation": "<p>Grant status reason.</p>"
        }
    },
    "SourceVersion": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Current version of the grant.</p>"
        }
    },
    "Options": {
        "target": "com.amazonaws.licensemanager#Options",
        "traits": {
            "smithy.api#documentation": "<p>The options specified for the grant.</p>"
        }
    }
},
 "traits": {
    "smithy.api#input": {}
}
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    },
    "com.amazonaws.licensemanager#CreateGrantVersionResponse": {
      "type": "structure",
      "members": {
        "GrantArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>Grant ARN.</p>"
          }
        },
        "Status": {
          "target": "com.amazonaws.licensemanager#GrantStatus",
          "traits": {
            "smithy.api#documentation": "<p>Grant status.</p>"
          }
        },
        "Version": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>New version of the grant.</p>"
          }
        }
      },
      "traits":
{
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#CreateLicense": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
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            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration
is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager.
Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU),
allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or
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all of these), license affinity to host (how long a \n license must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension used to track the license inventory. ",
"smithy.api#required": {}
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether hard or soft license enforcement is used. Exceeding a hard limit\n blocks the launch of new instances. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows. \n \n \n \n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> |

<code>minimumCores</code>\n \n \n \n \n
<code>Instances</code> dimension: <code>allowedTenancy</code> | \n <code>maximumCores</code> |
<code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n
<code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n
\n
\n <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n
<code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> |
<code>minimumSockets</code>\n \n \n \n \n
<code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n
<code>honorVcpuOptimization</code> | \n <code>maximumVcpus</code> |
<code>minimumVcpus</code>\n \n \n \n The unit for
<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for
<code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n
<code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n
<code>True</code> and <code>False</code>. "
}
},

"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the license configuration. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is
uninstalled. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
{
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",

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            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
    }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
    "type": "structure",
    "members": {
        "ResourceArn": {

            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
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"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource you are converting the license type for. ",
"smithy.api#required": {}
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
},
"DestinationLicenseContext":
{
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting to. For the structure of the destination license, see Convert a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

"traits": {
"smithy.api#documentation": " The ID of the created license type conversion task. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
"type": "operation",

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        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "ReportGeneratorName":
{
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
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"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports to generate. The following report types an be generated: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}

}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "
}
}
},

"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the new report
generator. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseRequest": {
"type": "structure",
"members": {
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product
name. ",
"smithy.api#required": {}
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits": {

"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region for the license. ",
"smithy.api#required": {}

}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}

```
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>"
                }
            },
            "Version": {
                 "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersion": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
        },
```

```
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#ConflictException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#RedirectException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target":
"com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
              "smithy.api#required": {}
            }
          },
          "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>License name.</p>",
              "smithy.api#required": {}
            }
          },
```

"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits":
{
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the license. ",
"smithy.api#required": {}
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for

workloads with offline\n usage. ",
"smithy.api#required": {}
}
},

"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the license. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New version of the license. "
}
},
"Status": {

"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
}
},
"traits": {
"smithy.api#output":
{}
}
},
"com.amazonaws.licensemanager#CreateToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a long-lived token. \n A refresh token is a JWT

token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license. "
}
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits":
{
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token. ",
"smithy.api#required": {}
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n License Manager does not check whether the roles are in use. "
}
},
"ExpirationInDays": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Token expiration, in days, counted from token creation. The default is 365 days. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Idempotency token, valid for 10 minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

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},
"com.amazonaws.licensemanager#CreateTokenResponse": {
    "type": "structure",
    "members": {
        "TokenId": {
            "target": "com.amazonaws.licensemanager#String",

            "traits": {
                "smithy.api#documentation": "<p>Token ID.</p>"
            }
        },
        "TokenType": {
            "target": "com.amazonaws.licensemanager#TokenType",
            "traits": {
                "smithy.api#documentation": "<p>Token type.</p>"
            }
        },
        "Token": {
            "target": "com.amazonaws.licensemanager#TokenString",
            "traits": {
                "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
        "Begin": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Start of the time range.</p>",
                "smithy.api#required": {}
            }
        },
        "End": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>End of the time range.</p>"
            }
        }
    },
```

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        "traits": {
            "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
```

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            }
          },
          "StatusReason": {
            "target": "com.amazonaws.licensemanager#StatusReasonMessage",
            "traits": {
              "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Current version of the
grant.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#DeleteGrantResponse": {
        "type": "structure",
        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
              "smithy.api#documentation": "<p>Grant status.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation":
"<p>Grant version.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
```

"com.amazonaws.licensemanager#DeleteLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license configuration. \n You cannot delete a license configuration that is in use. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the license configuration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified report generator. \n This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator to be deleted. ",
"smithy.api#required": {}
}
}

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        },
        "traits": {

 "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the license.</p>",
                    "smithy.api#required":
{}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseResponse": {
        "type": "structure",
        "members": {
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>"
                }
            },
            "DeletionDate": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
```

"smithy.api#documentation": " Date when the license is deleted. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},

{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified token. Must be called in the license home Region. "
}
},
"com.amazonaws.licensemanager#DeleteTokenRequest": {
"type": "structure",
"members": {

"TokenId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token ID. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteTokenResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}

}
},
"com.amazonaws.licensemanager#DigitalSignatureMethod": {
"type": "enum",
"members": {
"JWT_PS384": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "JWT_PS384"
}
}
}
},
"com.amazonaws.licensemanager#Entitlement": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement resource. Use only
if the unit is None. "
}
},

"MaxCount": {
"target": "com.amazonaws.licensemanager#Long",
"traits": {
"smithy.api#documentation": " Maximum entitlement count. Use if the unit is not None. "
}
},
"Overage": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether overages are allowed. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementUnit",
"traits": {
"smithy.api#documentation": " Entitlement unit. ",
"smithy.api#required": {}
}
},
"AllowCheckIn": {
"target":
"com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether check-ins are allowed. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a resource entitled for use with a license. "
}
},
"com.amazonaws.licensemanager#EntitlementData": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement data name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement
data value. "
}
},

"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementDataUnit",
"traits": {
"smithy.api#documentation": " Entitlement data unit. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Data associated with an entitlement resource. "
}
},
"com.amazonaws.licensemanager#EntitlementDataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#EntitlementData"
}
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"

}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},

"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},
"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementList": {
"type": "list",
"member": {

"target": "com.amazonaws.licensemanager#Entitlement"
}
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The entitlement is not allowed. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#EntitlementUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"
}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target":
"smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {

"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},

"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementUsage": {
"type": "structure",
"members": {

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            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement usage name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ConsumedValue": {
                "target": "com.amazonaws.licensemanager#String",

           "traits": {
                    "smithy.api#documentation": "<p>Resource usage consumed.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxCount": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
                }
            },
            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementUsageList":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementUsage"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumption": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
        },
```

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Extends the expiration date for license consumption. "
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. ",
"smithy.api#required": {}

}
},
"DryRun": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,
"smithy.api#documentation": " Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions. "
}
}
},
"traits": {

```
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },

            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#FailedDependencyException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            },
            "ErrorCode": {
                "target": "com.amazonaws.licensemanager#String"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "FailedDependency",
                "httpResponseCode": 424
            },
            "smithy.api#documentation":
"<p>A dependency required to run the API is missing.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 424
        }
    },
    "com.amazonaws.licensemanager#Filter": {
        "type": "structure",
        "members": {
```

"Name": {
"target": "com.amazonaws.licensemanager#FilterName",
"traits": {
"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used to return more specific results from a\n describe operation. Filters can be used to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FilterLimitExceeded",
"httpResponseCode": 400
},
"smithy.api#documentation": " The request uses too many filters or too many filter values. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Filter"
}
},
"com.amazonaws.licensemanager#FilterName": {
"type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
"type": "string"

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    },
    "com.amazonaws.licensemanager#FilterValues": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#FilterValue",
            "traits": {
                "smithy.api#xmlName": "item"
            }
        }
    },
    "com.amazonaws.licensemanager#Filters": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Filter",
            "traits": {
                "smithy.api#xmlName": "item"
            }
        }
    },
    "com.amazonaws.licensemanager#GetAccessToken": {
        "type": "operation",
        "input": {
             "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
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tokens\n are valid for one hour. "
}
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
"type": "structure",
"members": {
"Token": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Refresh token, encoded as a JWT token. ",
"smithy.api#required": {}
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Token properties to validate against those present in the JWT token. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetAccessTokenResponse": {
"type": "structure",
"members": {
"AccessToken": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Temporary access token. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetGrantResponse"
},

```
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"

    },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
```

```
},
"com.amazonaws.licensemanager#GetGrantResponse": {
    "type": "structure",
    "members": {
        "Grant": {
            "target": "com.amazonaws.licensemanager#Grant",
            "traits": {
                "smithy.api#documentation": "<p>Grant details.</p>"
            }
        }
    },
    "traits": {

"smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"

 },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
    }
```

```
    },
    "com.amazonaws.licensemanager#GetLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the specified license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits":
 {
            "smithy.api#input": {}
        }
    },
```

```
"com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
    "type": "structure",
    "members": {
        "LicenseConfigurationId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
            }
        },
        "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
        },
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Name of the license configuration.</p>"
             }
        },
        "Description": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Description of the license configuration.</p>"
            }
        },
        "LicenseCountingType": {
            "target": "com.amazonaws.licensemanager#LicenseCountingType",
            "traits": {
                "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
            }
        },
        "LicenseRules": {
            "target": "com.amazonaws.licensemanager#StringList",
            "traits": {
                "smithy.api#documentation": "<p>License rules.</p>"
            }
        },
        "LicenseCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",

           "traits": {
                "smithy.api#documentation": "<p>Number of available licenses.</p>"
            }
        },
        "LicenseCountHardLimit": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
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"traits": {
"smithy.api#documentation": " Sets the number of available licenses as a hard limit. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses assigned to resources. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License configuration status. "
}

},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner of the license configuration. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {

"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When
true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified license type conversion task. "
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {

"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted to. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "

```
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
            "traits": {
              "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
            }
          },

  "StartTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
            }
          },
          "LicenseConversionTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
            }
          },
          "EndTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Time at which the license type conversion task was
completed.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
 {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

        },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
                    "smithy.api#required":
{}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {
            "ReportGenerator": {
                "target": "com.amazonaws.licensemanager#ReportGenerator",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
```

configurations. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseResponse": {
"type": "structure",
"members": {
"License": {
"target": "com.amazonaws.licensemanager#License",
"traits": {
"smithy.api#documentation": " License details. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},

"com.amazonaws.licensemanager#GetLicenseUsage": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the usage of the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseUsageRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseUsageResponse": {
"type": "structure",
"members": {

```
            "LicenseUsage": {
                "target":
"com.amazonaws.licensemanager#LicenseUsage",
                "traits": {
                    "smithy.api#documentation": "<p>License usage details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsRequest": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
```

"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Regional S3 bucket path for storing reports, license trail event data, discovery data,\n and so on. "

}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " SNS topic configured to receive notifications from License Manager. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Indicates whether Organizations is integrated with License Manager for\n cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether cross-account discovery is enabled. "
}

},
"LicenseManagerResourceShareArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource share. The License Manager management account \n provides member accounts with access to this share. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Grant": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",

"smithy.api#required": {}
}
},
"GrantName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}
}
},
"ParentArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",
"smithy.api#required": {}
}
},
"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {

"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. ",
"smithy.api#required": {}
}
},
"GrantedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Granted operations. ",
"smithy.api#required": {}
}
},
"Options": {
"target": "com.amazonaws.licensemanager#Options",
"traits": {
"smithy.api#documentation": " The options specified for the grant. "
}
}
},
"traits": {
"smithy.api#documentation":
" Describes a grant. "
}
},
"com.amazonaws.licensemanager#GrantList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Grant"
}
},
"com.amazonaws.licensemanager#GrantStatus": {
"type": "enum",
"members": {
"PENDING_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_WORKFLOW"
}
},
"PENDING_ACCEPT": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "PENDING_ACCEPT"
}
},
"REJECTED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REJECTED"

}
},
"ACTIVE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ACTIVE"
}
},
"FAILED_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED_WORKFLOW"
}
},
"DELETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DELETED"
}
},
"PENDING_DELETE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_DELETE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "DISABLED"
}
},
"WORKFLOW_COMPLETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WORKFLOW_COMPLETED"
}
}

```
        }
    },
    "com.amazonaws.licensemanager#GrantedLicense": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>"
                }

},
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product name.</p>"
                }
            },
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product SKU.</p>"
                }
            },
            "Issuer": {
                "target": "com.amazonaws.licensemanager#IssuerDetails",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license issuer.</p>"
                }
            },
            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region of the granted license.</p>"

             }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license status.</p>"
                }
```

```
            },
            "Validity": {
                "target": "com.amazonaws.licensemanager#DatetimeRange",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in
ISO8601-UTC format.</p>"
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementList",
                 "traits": {
                    "smithy.api#documentation": "<p>License entitlements.</p>"
                }
            },
            "ConsumptionConfiguration": {
                "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
                }
            },
            "LicenseMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license metadata.</p>"
                }
            },
            "CreateTime": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Creation time of the granted license.</p>"

    }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Version of the granted license.</p>"
                }
            },
            "ReceivedMetadata": {
                "target": "com.amazonaws.licensemanager#ReceivedMetadata",
                "traits": {
```

"smithy.api#documentation": " Granted license received metadata. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a license that is granted to a grantee. "
}
},
"com.amazonaws.licensemanager#GrantedLicenseList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#GrantedLicense"
}
},
"com.amazonaws.licensemanager#ISO8601DateTime":
{
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$"
}
},
"com.amazonaws.licensemanager#Integer": {
"type": "integer"
},
"com.amazonaws.licensemanager#InvalidParameterValueException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidParameterValueProvided",
"httpResponseCode": 400
},
"smithy.api#documentation":
" One or more parameter values are not valid. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#InvalidResourceStateException": {

"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidResourceState",
"httpResponseCode": 400
},
"smithy.api#documentation": " License Manager cannot allocate a license to a resource because of its state. \n For example, you cannot allocate a license to an instance in the process of shutting\n down. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},

"com.amazonaws.licensemanager#InventoryFilter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the filter. ",
"smithy.api#required": {}
}
},
"Condition": {
"target": "com.amazonaws.licensemanager#InventoryFilterCondition",
"traits": {
"smithy.api#documentation": " Condition of the filter. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Value of the filter. "
}
}

},
"traits": {
"smithy.api#documentation": " An inventory filter. "
}
},

```
"com.amazonaws.licensemanager#InventoryFilterCondition": {
    "type": "enum",
    "members": {
        "EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EQUALS"
            }
        },
        "NOT_EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "NOT_EQUALS"
            }
        },
        "BEGINS_WITH": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "BEGINS_WITH"
            }
        },
        "CONTAINS": {
            "target": "smithy.api#Unit",
            "traits": {
                 "smithy.api#enumValue": "CONTAINS"
            }
        }
    }
},
"com.amazonaws.licensemanager#InventoryFilterList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#InventoryFilter"
    }
},
"com.amazonaws.licensemanager#Issuer": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Issuer name.</p>",
                "smithy.api#required": {}
            }
        },
        "SignKey": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the issuer of a license. "
}
},
"com.amazonaws.licensemanager#IssuerDetails": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. "
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer key fingerprint. "
}
}
},
"traits": {
"smithy.api#documentation": " Details associated with the issuer of a license. "
}
},
"com.amazonaws.licensemanager#License": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " License name. "
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " License issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Home Region of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "

```
            }
        },
        "Entitlements": {

  "target": "com.amazonaws.licensemanager#EntitlementList",
            "traits": {
                "smithy.api#documentation": "<p>License entitlements.</p>"
            }
        },
        "ConsumptionConfiguration": {
            "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
            }
        },
        "LicenseMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
                "smithy.api#documentation": "<p>License metadata.</p>"
            }
        },
        "CreateTime": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>License
creation time.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
    "type": "structure",
    "members": {
        "LicenseConfigurationId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
            }
        },
```

"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension to use to track the license inventory. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Number of available licenses as a hard limit. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}

```
    },
    "ConsumedLicenses": {
        "target": "com.amazonaws.licensemanager#BoxLong",
        "traits": {
            "smithy.api#documentation": "<p>Number of licenses consumed. </p>"
        }
    },
    "Status": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Status of the license configuration.</p>"
        }
    },
    "OwnerAccountId": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Account ID of the license configuration's owner.</p>"

   }
    },
    "ConsumedLicenseSummaryList": {
        "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
        "traits": {
            "smithy.api#documentation": "<p>Summaries for licenses consumed by various resources.</p>"
        }
    },
    "ManagedResourceSummaryList": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
        "traits": {
            "smithy.api#documentation": "<p>Summaries for managed resources.</p>"
        }
    },
    "ProductInformationList": {
        "target": "com.amazonaws.licensemanager#ProductInformationList",
        "traits": {
            "smithy.api#documentation": "<p>Product information.</p>"
        }
    },
    "AutomatedDiscoveryInformation": {

        "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
        "traits": {
            "smithy.api#documentation": "<p>Automated discovery information.</p>"
        }
    }
},
"traits": {
    "smithy.api#documentation": "<p>A license configuration is an abstraction of a customer license
```

agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
"type": "structure",
"members": {
"ResourceArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of server resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Time when the license configuration was associated with the resource. "
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an association with a license configuration. "
}
},

```
    "com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationStatus": {
        "type": "enum",
        "members":
{
            "AVAILABLE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "AVAILABLE"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DISABLED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationUsage": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceStatus": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Status of the resource.</p>"
                }
            },
            "ResourceOwnerId": {
                "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the usage of a resource associated with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
}
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfiguration"
}
},
"com.amazonaws.licensemanager#LicenseConversionContext": {

"type": "structure",
"members": {
"UsageOperation": {
"target": "com.amazonaws.licensemanager#UsageOperation",
"traits": {
"smithy.api#documentation": " The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\n \n "
}

```
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTask": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {

     "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the license type conversion task.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource associated
with the license type\n        conversion task.</p>"
                }
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license type this conversion task converted
from.</p>"
                }
            },
            "DestinationLicenseContext": {
                "target":
 "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
                "traits": {
                    "smithy.api#documentation": "<p>The status of the conversion task.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
```

```
            }
        },
        "StartTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation":
 "<p>The time the conversion task was started at.</p>"
            }
        },
        "LicenseConversionTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
            }
        },
        "EndTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
    "type": "string",
    "traits": {

    "smithy.api#length": {
            "min": 0,
            "max": 50
        },
        "smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
    }
},
"com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
    "type": "enum",
    "members": {
        "IN_PROGRESS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "IN_PROGRESS"
            }
        },
        "SUCCEEDED": {
```

```
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SUCCEEDED"
            }
        },
        "FAILED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseConversionTasks":
{
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#LicenseConversionTask"
    }
},
"com.amazonaws.licensemanager#LicenseCountingType": {
    "type": "enum",
    "members": {
        "VCPU": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "vCPU"
            }
        },
        "INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Instance"
            }
        },
        "CORE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Core"
            }
        },
        "SOCKET": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "Socket"
            }
        }
    }
```

```
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
    "type": "enum",
    "members": {
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#License"
    }
},
"com.amazonaws.licensemanager#LicenseOperationFailure": {

    "type": "structure",
    "members": {
        "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
            }
        },
        "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Resource type.</p>"
            }
        },
        "ErrorMessage": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Error message.</p>"
            }
        },
        "FailureTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
```

"traits": {

"smithy.api#documentation": " Failure time. "
}
},
"OperationName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the operation. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource. "
}
},
"OperationRequestedBy": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The requester is \"License Manager Automated Discovery\". "
}
},
"MetadataList": {

"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Reserved. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the failure of a license operation. "
}
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailure"
}
},
"com.amazonaws.licensemanager#LicenseSpecification": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Details for associating a license configuration with a resource. "
}
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseSpecification"
}
},
"com.amazonaws.licensemanager#LicenseStatus": {
"type": "enum",
"members": {
"AVAILABLE": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"PENDING_AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_AVAILABLE"
}
},
"DEACTIVATED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DEACTIVATED"
}
},
"SUSPENDED": {
"target": "smithy.api#Unit",

```
            "traits": {
                "smithy.api#enumValue": "SUSPENDED"
            }
        },
        "EXPIRED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EXPIRED"
            }
        },

    "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseUsage": {
    "type": "structure",
    "members": {
        "EntitlementUsages": {
            "target": "com.amazonaws.licensemanager#EntitlementUsageList",
            "traits": {
                "smithy.api#documentation": "<p>License entitlement usages.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"

    }
},
"com.amazonaws.licensemanager#LicenseUsageException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
```

"aws.protocols#awsQueryError": {
"code": "LicenseUsageFailure",
"httpResponseCode": 412
},
"smithy.api#documentation": " You do not have enough licenses available to support a new resource launch. ",
"smithy.api#error": "client",
"smithy.api#httpError": 412
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the resource associations for the specified license configuration. \n Resource associations need not consume licenses from a license configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n the license rules). "
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
"type": "structure",

"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results
to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationAssociations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license
configuration. "
}
},
"NextToken": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},

```
"com.amazonaws.licensemanager#ListDistributedGrants": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
    "type": "structure",
    "members": {
        "GrantArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
            "traits": {

        "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
            }
        },
        "Filters": {
            "target": "com.amazonaws.licensemanager#FilterList",
            "traits": {
```

"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranteePrincipalARN</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",

"traits": {
"smithy.api#documentation": " Distributed grant details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license configuration operations that failed. "
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name of the license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
"type": "structure",
"members": {
"LicenseOperationFailureList": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
"traits": {
"smithy.api#documentation": " License configuration operations that failed. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConfigurations": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
},

"output": {
"target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},

```
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configurations
 for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArns": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next
 set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n                Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n                Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n
<p>\n                <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n                Logical operators are <code>EQUALS</code> |
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<code>NOT_EQUALS</code>.</p>\n
    </li>\n            <li>\n              <p>\n                <code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n              Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurations": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurations",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",

          "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConversionTasks": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
```

"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license type conversion tasks for your account. "
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
"type": "structure",
"members": {
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " \n Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
"type": "structure",
"members": {
"LicenseConversionTasks": {
"target": "com.amazonaws.licensemanager#LicenseConversionTasks",
"traits": {
"smithy.api#documentation": " Information about the license configuration tasks for your

account. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseConfigurationArn</code>\n
</p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits":
{
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
        "type": "structure",
        "members": {
            "ReportGenerators": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorList",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

"smithy.api#documentation": " Token for the next set of results. "
}

}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Describes the license configurations for the specified resource. "
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a resource that has an associated license configuration. ",
"smithy.api#required": {}
}

```
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {

    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
    "type": "structure",
    "members": {
        "LicenseSpecifications": {
            "target": "com.amazonaws.licensemanager#LicenseSpecifications",
            "traits": {
                "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
            }
        },
        "NextToken": {
             "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
```

```
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                "smithy.api#required": {}
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
```

```
        "type": "structure",
        "members": {
          "Licenses": {
            "target": "com.amazonaws.licensemanager#LicenseList",
            "traits": {
              "smithy.api#documentation": "<p>License details.</p>"
            }
          },

"NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenses": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListLicensesRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListLicensesResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
           },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
```

```
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicensesRequest": {
        "type": "structure",
        "members": {
            "LicenseArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
                }
            },

     "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n              <p>\n                <code>Beneficiary</code>\n              </p>\n
      </li>\n           <li>\n              <p>\n                <code>ProductSKU</code>\n              </p>\n           </li>\n
   <li>\n              <p>\n                <code>Fingerprint</code>\n              </p>\n           </li>\n           <li>\n
<p>\n                <code>Status</code>\n              </p>\n           </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token
 for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicensesResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#LicenseList",
                "traits": {
```

"smithy.api#documentation": " License details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while

specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target":
"com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the received license. ",
"smithy.api#required": {}

```
            }
        },
        "Filters": {
            "target": "com.amazonaws.licensemanager#FilterList",
            "traits": {
                "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
    <ul>\n        <li>\n        <p>\n        <code>ParentArn</code>\n        </p>\n        </li>\n
<li>\n        <p>\n        <code>GranteePrincipalArn</code>\n        </p>\n        </li>\n        </ul>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
{
    "type": "structure",
    "members": {
        "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
            "traits": {
                "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
```

```
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
      "type": "structure",
      "members": {
        "GrantArns": {
          "target": "com.amazonaws.licensemanager#ArnList",
           "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
          }
        },
        "Filters": {
          "target": "com.amazonaws.licensemanager#FilterList",
          "traits": {
            "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n          <li>\n            <p>\n              <code>ProductSKU</code>\n            </p>\n
      </li>\n          <li>\n            <p>\n              <code>LicenseIssuerName</code>\n            </p>\n
</li>\n          <li>\n            <p>\n              <code>LicenseArn</code>\n            </p>\n          </li>\n
<li>\n            <p>\n              <code>GrantStatus</code>\n            </p>\n          </li>\n          <li>\n
<p>\n
      <code>GranterAccountId</code>\n            </p>\n          </li>\n        </ul>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        },
        "MaxResults": {
          "target": "com.amazonaws.licensemanager#MaxSize100",
          "traits": {
            "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
      "type": "structure",
      "members": {
        "Grants": {
          "target": "com.amazonaws.licensemanager#GrantList",
           "traits": {
            "smithy.api#documentation": "<p>Received grant details.</p>"
          }
        },
```

```
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists received licenses.</p>"
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
```

```
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {

    "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>Beneficiary</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n
            </p>\n            </li>\n        </ul>"
                }
            },
```

```
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
    "type": "structure",
    "members": {
        "Licenses": {
            "target": "com.amazonaws.licensemanager#GrantedLicenseList",
             "traits": {
                "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
    "type": "structure",
    "members": {
        "LicenseArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
            }
        },
```

```
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n              <p>\n                <code>ProductSKU</code>\n              </p>\n
        </li>\n            <li>\n              <p>\n                <code>Status</code>\n              </p>\n            </li>\n
<li>\n              <p>\n                <code>Fingerprint</code>\n              </p>\n            </li>\n            <li>\n
<p>\n                <code>IssuerName</code>\n              </p>\n            </li>\n            <li>\n              <p>\n
<code>Beneficiary</code>\n              </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#GrantedLicenseList",
                "traits": {
                    "smithy.api#documentation": "<p>Received license details.</p>"
                }
            },

            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
```

```
},
"com.amazonaws.licensemanager#ListResourceInventory": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FailedDependencyException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
    }
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
    "type": "structure",
    "members": {
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#InventoryFilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>account_id</code> - The ID of the Amazon Web Services account that owns the resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n
\n \n \n <code>application_name</code> - The name of the application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n
\n \n \n <code>license_included</code> - The type of license included. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
\n <code>platform</code> - The platform of the resource.\n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n \n \n \n
<code>resource_id</code> - The ID of the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n
<code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account). \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
"type": "structure",
"members": {
"ResourceInventoryList": {
"target": "com.amazonaws.licensemanager#ResourceInventoryList",
"traits": {
"smithy.api#documentation": " Information about the resources. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the tags for the specified license configuration. "
}
},
"com.amazonaws.licensemanager#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

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    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
        "errors":
[
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists your tokens.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTokensRequest": {
        "type": "structure",
        "members": {
```

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            "TokenIds": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {

                  "smithy.api#documentation": "<p>Token IDs.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
    <ul>\n        <li>\n        <p>\n        <code>LicenseArns</code>\n        </p>\n        </li>\n
</ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation":
 "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokensResponse": {
        "type": "structure",
        "members": {
            "Tokens": {
                "target": "com.amazonaws.licensemanager#TokenList",
                "traits": {
                    "smithy.api#documentation": "<p>Received token details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
```

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        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
             {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license\n        consumption details by resource at a selected point in time. Use this action to audit the\n        current
license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
```

"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
"type": "structure",
"members": {

"LicenseConfigurationUsageList": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

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                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#Location": {
    "type": "string"
},
"com.amazonaws.licensemanager#Long": {
    "type": "long"
},
"com.amazonaws.licensemanager#ManagedResourceSummary": {
    "type": "structure",
    "members": {
        "ResourceType":
{
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
            }
        },
        "AssociationCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
    }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
    }
},
"com.amazonaws.licensemanager#MaxSize100": {

"type": "integer",
    "traits": {
        "smithy.api#range": {
            "min": 1,
            "max": 100
```

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        }
    }
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The key name.</p>"
            }
        },

"Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The value.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes key/value pairs.</p>"
    }
},
"com.amazonaws.licensemanager#MetadataList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Metadata"
    }
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
    "type": "structure",
    "members": {
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"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n \n \n As a grantor, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your organization. \n \n \n As a grantee, if the grantor creating the distributed grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n are activating the grant. \n \n \n <dl>\n <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n Use this value to activate a grant without replacing any member accounts\n active grants for the same product. \n </dd>\n <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n Use this value to activate a grant and disable other active grants in any\n member accounts
for the same product. This action will also replace their\n previously activated grants with this activated grant. \n </dd>\n </dl>"
}
}
},
"traits": {
"smithy.api#documentation": " The options you can specify when you create a new version of a grant, such as activation\n override behavior. For more information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#OrganizationConfiguration": {
"type": "structure",
"members": {
"EnableIntegration": {
"target": "com.amazonaws.licensemanager#Boolean",

"traits": {
"smithy.api#default": false,
"smithy.api#documentation":
" Enables Organizations integration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Configuration information for Organizations. "
}
},
"com.amazonaws.licensemanager#PrincipalArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 1
}
}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Resource type. The
possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a
<code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values
for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for
<code>ProductInformationFilterComparator</code>. \n The following filters and are supported when
the resource type \n is <code>SSM_MANAGED</code>: \n
\n \n \n <code>Application Name</code> - The name of the
application.\n Logical operator is <code>EQUALS</code>. \n \n \n
\n <code>Application Publisher</code> - The publisher of the application.\n Logical

operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n
\n \n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n \n \n \n \n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n \n \n <code>License Included</code> - The type of license included.\n Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are: <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n The following filters and logical operators are supported when the resource type\n is <code>RDS</code>: \n \n \n \n <code>Engine Edition</code> - The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>. \n \n \n \n <code>License Pack</code> - The license pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n
<code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n
\n ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information for a license configuration. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
"type": "structure",
"members": {
"ProductInformationFilterName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Filter name. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterValue": {
"target": "com.amazonaws.licensemanager#StringList",

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        "traits": {
            "smithy.api#documentation": "<p>Filter value.</p>"
        }
      },
      "ProductInformationFilterComparator": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Logical operator.</p>",
            "smithy.api#required": {}
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Describes product information filters.</p>"
    }
  },
  "com.amazonaws.licensemanager#ProductInformationFilterList": {
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#ProductInformationFilter"
    }
  },
  "com.amazonaws.licensemanager#ProductInformationList": {
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#ProductInformation"
     }
  },
  "com.amazonaws.licensemanager#ProvisionalConfiguration": {
    "type": "structure",
    "members": {
      "MaxTimeToLiveInMinutes": {
        "target": "com.amazonaws.licensemanager#BoxInteger",
        "traits": {
            "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
            "smithy.api#required": {}
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
    }
  },
  "com.amazonaws.licensemanager#RateLimitExceededException": {
    "type": "structure",
    "members": {
      "Message": {
        "target": "com.amazonaws.licensemanager#Message"
```

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            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "RateLimitExceeded",
                "httpResponseCode": 429
            },
            "smithy.api#documentation": "<p>Too many requests have been submitted. Try again after a brief
wait.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 429
        }
    },
    "com.amazonaws.licensemanager#ReceivedMetadata": {
        "type": "structure",
        "members": {
            "ReceivedStatus": {
                "target": "com.amazonaws.licensemanager#ReceivedStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Received status.</p>"
                }
            },
            "ReceivedStatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>Received
status reason.</p>"
                }
            },
            "AllowedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed operations.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
        }
    },
    "com.amazonaws.licensemanager#ReceivedStatus": {
        "type": "enum",
        "members": {
            "PENDING_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_WORKFLOW"
                }
```

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            },
            "PENDING_ACCEPT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue":
"PENDING_ACCEPT"
                }
            },
            "REJECTED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REJECTED"
                }
            },
            "ACTIVE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ACTIVE"
                }
            },
            "FAILED_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED_WORKFLOW"
                }
            },
            "DELETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DELETED"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                 "traits": {
                    "smithy.api#enumValue": "DISABLED"
                }
            },
            "WORKFLOW_COMPLETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WORKFLOW_COMPLETED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#RedirectException": {
        "type": "structure",
```

```
        "members": {
          "Location": {
            "target": "com.amazonaws.licensemanager#Location",
            "traits": {
              "smithy.api#httpHeader": "Location"
            }
          },
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
           "smithy.api#error": "client",
          "smithy.api#httpError": 308
        }
      },
      "com.amazonaws.licensemanager#RejectGrant": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#RejectGrantRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#RejectGrantResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#RejectGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}

}
    },
    "com.amazonaws.licensemanager#RejectGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#RenewType":
```

{
"type": "enum",
"members": {
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"WEEKLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Weekly"
}
},
"MONTHLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Monthly"
}
}
}
},
"com.amazonaws.licensemanager#ReportContext": {
"type": "structure",
"members": {
"licenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "

```
                }
            },
            "period": {
                "target": "com.amazonaws.licensemanager#ReportFrequencyType",

                "traits": {
                    "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
or monthly.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
        }
    },
    "com.amazonaws.licensemanager#ReportFrequencyType": {
        "type": "enum",
        "members": {
            "DAY": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DAY"
                }
            },
            "WEEK": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WEEK"
                }
            },
            "MONTH": {
                "target": "smithy.api#Unit",
                "traits":
{
                    "smithy.api#enumValue": "MONTH"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#ReportGenerator": {
        "type": "structure",
        "members": {
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>"
                }
            },
```

"ReportType": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports that are generated. "
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " License
configuration type for this generator. "
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. "
}
},
"LastRunStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the last report generation attempt. "
}
},
"LastRunFailureReason":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Failure message for the last report generation attempt. "
}
},
"LastReportGenerationTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the last report was generated at. "
}
},
"ReportCreatorAccount": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Web Services account ID used to create the report

generator. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"S3Location": {
"target": "com.amazonaws.licensemanager#S3Location",
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the report was created. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags associated with the report generator. "
}

}
},
"traits": {
"smithy.api#documentation": " Describe the details of a report generator. "
}
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ReportGenerator"
}
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}

```
        }
    },
    "com.amazonaws.licensemanager#ReportType": {
        "type": "enum",
        "members": {
            "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
                }

    },
            "LICENSE_CONFIGURATION_USAGE_REPORT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "LicenseConfigurationUsageReport"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#ReportTypeList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ReportType"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventory": {
        "type": "structure",
        "members": {
            "ResourceId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
```

```
            "Platform": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform of the resource.</p>"
                }
            },
            "PlatformVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
                }
            },
            "ResourceOwningAccountId":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventoryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ResourceInventory"
        }
    },
    "com.amazonaws.licensemanager#ResourceLimitExceededException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "ResourceLimitExceeded",

             "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
```

```
"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
     "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_INSTANCE"
            }
        },
        "EC2_HOST": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_HOST"
            }
        },
        "EC2_AMI": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_AMI"
            }
        },
        "RDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "RDS"
            }
        },
        "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
```

"smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
}
}
}
},
"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"com.amazonaws.licensemanager#ServerInternalException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InternalError",
"httpResponseCode": 500
},
"smithy.api#documentation": " The server experienced an internal error. Try again. ",
"smithy.api#error": "server",
"smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanager#SignedToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 4096

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            }
        }
    },
    "com.amazonaws.licensemanager#StatusReasonMessage": {
        "type": "string",
        "traits":
{
            "smithy.api#length": {
                "min": 0,
                "max": 400
            },
            "smithy.api#pattern": "^[\\s\\S]+$"
        }
    },
    "com.amazonaws.licensemanager#String": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#StringList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#Tag": {
        "type": "structure",
        "members": {
            "Key": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Tag key.</p>"
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Tag value.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagKeyList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
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        }
    },
    "com.amazonaws.licensemanager#TagList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Tag"
        }
    },
    "com.amazonaws.licensemanager#TagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#TagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#TagResourceResponse"
        },
        "errors": [
            {
                "target":
"com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
{
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
```

```
            }
          },
          "Tags": {
            "target": "com.amazonaws.licensemanager#TagList",
            "traits": {
              "smithy.api#documentation": "<p>One or more tags.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
        "members": {
          "TokenId": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
              "smithy.api#documentation": "<p>Token ID.</p>"
            }
          },
          "TokenType": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
            }
          },
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
          },
          "ExpirationTime": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC
```

format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#TokenData"
}
},
"com.amazonaws.licensemanager#TokenString": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 4096
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#TokenType": {
"type": "enum",
"members": {

"REFRESH_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REFRESH_TOKEN"
}
}
}
},
"com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The digital signature method is unsupported. Try your request
again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#UntagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],

"traits": {
"smithy.api#documentation": " Removes the specified tags from the specified license configuration. "
}
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanager#TagKeyList",
"traits": {
"smithy.api#documentation": " Keys identifying the tags to remove. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

```
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseConfigurationStatus": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
                "traits": {
                    "smithy.api#documentation": "<p>New status of the license configuration.</p>"
                }
            },
            "LicenseRules": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {

    "smithy.api#documentation": "<p>New license rule. The only rule that you can add after you create a license\n
    configuration is licenseAffinityToHost.</p>"
                }
            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
```

"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}

```
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to
```

update. ",
"smithy.api#required": {}
}
},
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation":
" Type of reports to generate. The following report types are supported: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " The report context. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},

{
"target": "com.amazonaws.licensemanager#InvalidResourceStateException"
},
{
"target": "com.amazonaws.licensemanager#LicenseUsageException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],

"traits": {
"smithy.api#documentation": " Adds or removes the specified license configurations for the specified Amazon Web Services resource. \n You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource. "
}
},

"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon Web Services resource. ",
"smithy.api#required": {}
}
},
"AddLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to add. "
}
},
"RemoveLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to remove. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"

```
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
             },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
        "type": "structure",
        "members": {
            "S3BucketArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
 Manager information is stored.</p>"
                }
            },
            "SnsTopicArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts.</p>"
                }
            },
            "OrganizationConfiguration": {
                "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account discovery.</p>"
```

```
                }
            },
            "EnableCrossAccountsDiscovery": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"

        }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UsageOperation": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            }
        }
    },
    "com.amazonaws.licensemanager#ValidationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

    "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    }
  }
}
```

1.6851 aws-sdk-go-v2-service-sts 1.30.3

1.6851.1 Available under license :

```
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
       uses: actions/checkout@v2
       with:
         path: new-ref
         fetch-depth: 0
     - name: Get Diff
       run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
     - name: Get Target Files
       run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
     - name: Checkout scancode
       uses: actions/checkout@v2
       with:
         repository: nexB/scancode-toolkit
         path: scancode-toolkit
         fetch-depth: 1
     - name: Set up Python ${{ matrix.python-version }}
        uses: actions/setup-python@v2
       with:
         python-version: ${{ matrix.python-version }}
     # ScanCode
     - name: Self-configure scancode
       working-directory: ./scancode-toolkit
       run: ./scancode --help
     - name: Run Scan code on target
       run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
```

toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
- name: Run Scan code on pr ref
run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
compare
- name: License test
run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses are the same. Success."; exit 0; fi

CreateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger

ListReceivedLicenses
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter

```
  SetLogger
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
```

```
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string
```

```
 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
```

```
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
```

```
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
```

```
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.Entitlement
```

```
 // Home Region for the license.
 //
 // This member is required.
 HomeRegion *string

 // License issuer.
 //
 // This member is required.
 Issuer *types.Issuer

 // License name.
 //
 // This member is required.
 LicenseName *string

 // Product name.
 //
 // This member is required.
 ProductName *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // Date and time range during which the license is valid, in ISO8601-UTC format.
 //
 // This member is required.
 Validity *types.DatetimeRange

 // Information about
 the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string
```

```
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if
 err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
```

```
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return
 err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
```

```
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName:
 "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
```

```
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
 err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
```

```
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil
 {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
CheckoutLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
```

AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
DisassociateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckoutBorrowLicense
Initialize stack step
RegisterServiceMetadata

legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AssociateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware

```
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
```

```
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
   - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
```

```
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err
```

```
 = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager
```

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
```

```
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err
 != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
```

```
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpGetLicenseValidationMiddleware(stack);
 err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
```

```
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
```

```
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }
```

```
if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack,
options); err != nil {
 return err
}
if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
```

```
 return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
 return err
 }
 if err = addRecursionDetection(stack); err != nil {
 return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
 return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
 return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
ListLicenses
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
```

ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AWS SDK for Go
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{
"smithy": "2.0",
"shapes": {
"com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
"type": "long"
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions \n\t\t\tregistered to your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/DeregisterSubscriptionProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the subscription provider resource to deregister. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of name to filter by. "

```
                }
            },
            "Values": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
                }
            },
            "Operator": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
                "traits": {
                    "smithy.api#documentation": "<p>An operator for filtering results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe
operation.\n      Filters can be used to match a set of resources by specific criteria.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
        "type":
 "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
        },
        "output": {
            "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
             },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
```

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Get details for a Bring Your Own License (BYOL) subscription that's
registered to your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/GetRegisteredSubscriptionProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation":
 "<p>The Amazon Resource Name (ARN) of the BYOL registration resource to get details for.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) for the BYOL registration
resource specified in the request.</p>"
                }
            },
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

         "traits": {
                    "smithy.api#documentation": "<p>The subscription provider for the BYOL registration resource
specified \n\t\t\tin the request.</p>"
                }
            },
            "SecretArn": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " The status of the Linux subscription provider access token from the last \n\t\t\tsuccessful subscription data request. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The detailed message from your subscription provider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time License Manager retrieved subscription details \n\t\t\tfrom your registered third-party Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions service settings for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetServiceSettings"

},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
"type": "structure",
"members": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " Lists
the settings defined for Linux subscriptions discovery. The settings include if\n Organizations integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "

```
            }
        },
        "HomeRegions": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
            "traits": {
                "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
            }
        }
    }
  },
  "com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
    "type": "structure",
    "members": {
        "AmiId": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
            }
        },
        "InstanceID": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
            }
        },
        "InstanceType": {
            "target": "smithy.api#String",
            "traits":
{
                "smithy.api#documentation": "<p>The instance type of the resource.</p>"
            }
        },
        "AccountID": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The account ID which owns the instance.</p>"
            }
        },
        "Status": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The status of the instance.</p>"
            }
        },
        "Region": {
            "target": "smithy.api#String",
            "traits": {
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"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},
"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the license subscription that the instance uses. "
}
},
"OsVersion": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The operating system software version that runs on your instance. "
}
},
"SubscriptionProviderCreateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp when you registered
the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses. "
}
},

"SubscriptionProviderUpdateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that the instance synced with the registered \n\t\t\tthird-party Linux subscription provider. "
}
},
"DualSubscription": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Indicates that you have two different license subscriptions for \n\t\t\tthe same software on your instance. "
}
},
"RegisteredWithSubscriptionProvider": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " Indicates that your instance uses a BYOL license subscription from \n\t\t\ta third-party Linux subscription provider that you've registered with License Manager. "
}
}
},
"traits": {
"smithy.api#documentation": " Details discovered information about a running instance using Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation":
" An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {

"type": "service",
"version": "2018-05-10",
"operations": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
}
],
"traits": {
"aws.api#service": {
"sdkId": "License Manager Linux Subscriptions",
"arnNamespace": "license-manager-linux-subscriptions",
"cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
},
"aws.auth#sigv4": {
"name": "license-manager-linux-subscriptions"
},
"aws.protocols#restJson1": {},
"smithy.api#cors": {

"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager,
you can discover and track your commercial Linux subscriptions on running\n Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}

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            "conditions": [
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                "fn": "isSet",
                "argv": [
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                    "ref": "Endpoint"
                  }
                ]
              }
            ],
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                "conditions": [
                  {
                    "fn": "booleanEquals",
                    "argv": [
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                        "ref": "UseFIPS"
                      },
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                "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                "type": "error"
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                "conditions": [],
                "rules": [
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                    "conditions": [
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                        "fn": "booleanEquals",
                        "argv": [
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                            "ref": "UseDualStack"
                          },
                          true
                        ]

}
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                    "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                    "type": "error"
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                        },
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                        "headers": {}
                    },
                    "type": "endpoint"
                }
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            "type": "tree"

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        ],
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                        "argv": [
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                                "ref": "Region"
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        "fn": "aws.partition",
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                                    }
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                                "assign": "PartitionResult"
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                          "argv": [
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                            },
                            true
                          ]
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                        {
                          "fn": "booleanEquals",
                          "argv": [
                            {
                              "ref": "UseDualStack"
                            },
                            true
                          ]
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                              "argv": [
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                                  "fn": "getAttr",
                                  "argv": [
                                    {
                                      "ref": "PartitionResult"

},
                                    "supportsFIPS"
                                  ]
                                }
                              ]
                            },
                            {
                              "fn": "booleanEquals",
                              "argv": [
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                                {
                                  "fn": "getAttr",
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"argv": [

{
"ref": "PartitionResult"
},
"supportsDualStack"
]
}
]
}
],
"rules": [
{
"conditions": [],

"rules": [
{
"conditions": [],
"endpoint": {
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"properties": {},
"headers": {}
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"type": "endpoint"
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"type": "tree"
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"type": "tree"
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"conditions": [],
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"type": "error"
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],
"type": "tree"
},
{

"conditions": [
{
"fn": "booleanEquals",
"argv": [

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                    true
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"fn": "booleanEquals",
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                            {
                                "fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsFIPS"
                                ]
                            },
                            true

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                                "conditions": [],
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fips.{Region}.{PartitionResult#dnsSuffix}",

    "properties": {},
                                    "headers": {}
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                                "type": "endpoint"
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                        "type": "tree"
                    }
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                "type": "tree"
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                    },
                    {
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                        "error": "FIPS is enabled
but this partition does not support FIPS",
                        "type": "error"
                    }
                ],
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            },
            {
                "conditions": [
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                        "fn": "booleanEquals",
                        "argv": [
                            {
                                "ref": "UseDualStack"
                            },
                            true

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                                "fn": "booleanEquals",
                                "argv": [
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                                    {
                                        "fn": "getAttr",
                                        "argv": [
                                            {

                                            "ref": "PartitionResult"
                                            },
                                            "supportsDualStack"
                                        ]
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                                "conditions": [],
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subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
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                                "type": "error"
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                        "type": "tree"
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                                "conditions": [],
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subscriptions.{Region}.{PartitionResult#dnsSuffix}",
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                                    "headers": {}
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                        "type": "tree"
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                "type": "tree"
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        "type": "tree"
    },
    {
```

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                "conditions": [],
                "error": "Invalid Configuration: Missing Region",
                "type": "error"
            }
        ],
        "type": "tree"
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  ]
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"smithy.rules#endpointTests": {
  "testCases": [
    {
        "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"

  }
        },
        "params": {
            "Region": "us-east-1",
            "UseFIPS": true,
            "UseDualStack": true
        }
    },
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        "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "us-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
    },
    {

   "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
            }
        },
        "params": {
            "Region": "us-east-1",
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"UseFIPS": false,
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}
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{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{

"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",

"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{

"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
}

},
"params": {
"Region": "us-gov-east-1",

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"UseDualStack": false
}
},
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {

"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"

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            }
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
enabled",
        "expect": {
            "error": "DualStack is enabled but this partition does not support DualStack"
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": false,
            "UseDualStack": true
        }
    },
    {
        "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
            }
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS":
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            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
            "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
        },
        "params": {
            "Region": "us-isob-east-1",
            "UseFIPS": true,
            "UseDualStack": true
        }
    },
    {
        "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
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"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
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{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
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"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"

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            }
        },
        {
            "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
            "expect": {
                "endpoint": {
                    "url": "https://example.com"
                }
            },
            "params": {
                "UseFIPS": false,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
            }
        },
        {

            "documentation": "For custom endpoint with fips enabled and dualstack disabled",
            "expect": {
                "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
            }
        },
        {
            "documentation": "For custom endpoint with fips disabled and dualstack enabled",
            "expect": {
                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
            },
            "params": {

 "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": true,
                "Endpoint": "https://example.com"
            }
        },
        {
            "documentation": "Missing region",
            "expect": {
                "error": "Invalid Configuration: Missing Region"
            }
        }
```

```
            ],
            "version": "1.0"
        }
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
    "type": "string",
    "traits": {
        "smithy.api#enum": [
            {
                "name": "Enabled",
                "value": "Enabled",
                "documentation": "Enabled LinuxSubscriptionsDiscovery"

 },
            {
                "name": "Disabled",
                "value": "Disabled",
                "documentation": "Disabled LinuxSubscriptionsDiscovery"
            }
        ]
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
    "type": "structure",
    "members": {
        "SourceRegions": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
            "traits": {
                "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
                "smithy.api#required": {}
            }
        },
        "OrganizationIntegration": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
            "traits": {
                "smithy.api#documentation":
 "<p>Details if you have enabled resource discovery across your accounts in Organizations.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
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"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptionInstances"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Instances"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results by your specified criteria. \n \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the \n \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n \t<code>Value</code>, such as <code>us-west</code>. \n For each filter, you can specify one of the following values for the <code>Name</code> key \n \tto streamline results: \n \n \n

```
<p>\n <code>AccountID</code>\n </p>\n </li>\n <li>\n <p>\n
<code>AmiID</code>\n </p>\n </li>\n <li>\n <p>\n
<code>DualSubscription</code>\n </p>\n </li>\n <li>\n <p>\n
<code>InstanceID</code>\n </p>\n </li>\n <li>\n <p>\n
<code>InstanceType</code>\n </p>\n </li>\n <li>\n <p>\n
<code>ProductCode</code>\n </p>\n </li>\n <li>\n <p>\n
<code>Region</code>\n </p>\n </li>\n <li>\n <p>\n
<code>Status</code>\n </p>\n </li>\n <li>\n <p>\n
<code>UsageOperation</code>\n </p>\n </li>\n </ul>\n <p>For each filter, you can use
one of the following <code>Operator</code>
 values to \n  \t\tdefine the behavior of the filter:</p>\n <ul>\n <li>\n <p>\n
<code>contains</code>\n </p>\n </li>\n <li>\n <p>\n
<code>equals</code>\n </p>\n </li>\n <li>\n <p>\n
<code>Notequal</code>\n </p>\n </li>\n </ul>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>A token to specify where to
 start paginating. This \n\tis the nextToken from a previously truncated response.</p>",
                "smithy.api#length": {
                    "min": 1,
                    "max": 16384
                }
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
    "type": "structure",
    "members": {
        "Instances": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
            "traits": {
                "smithy.api#documentation": "<p>An array that contains instance objects.</p>"
            }
        },
```

"NextToken": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptions"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",

"items": "Subscriptions"
}
}

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    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify. For example, you can filter by the name of\n
 <code>Subscription</code> with an optional operator to see subscriptions that match,\n      partially match, or don't
match a certain subscription's name.</p>\n         <p>The valid names for this filter are:</p>\n         <ul>\n
<li>\n              <p>\n                  <code>Subscription</code>\n              </p>\n           </li>\n         </ul>\n
<p>The
 valid Operators for this filter are:</p>\n         <ul>\n           <li>\n              <p>\n
<code>contains</code>\n              </p>\n           </li>\n           <li>\n              <p>\n
<code>equals</code>\n              </p>\n           </li>\n           <li>\n              <p>\n
<code>Notequal</code>\n              </p>\n           </li>\n         </ul>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis
 the nextToken from a previously truncated response.</p>",
                    "smithy.api#length": {
                        "min": 1,
                        "max": 16384
                    }
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
        "type": "structure",
        "members": {
            "Subscriptions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
                "traits": {
```

"smithy.api#documentation": " An array that contains subscription objects. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List Bring Your Own License (BYOL) subscription registration resources for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListRegisteredSubscriptionProviders"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",

"items": "RegisteredSubscriptionProviders"
}
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
"type": "structure",
"members": {
"SubscriptionProviderSources": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
"traits": {
"smithy.api#documentation": " To filter your results, specify which subscription providers to return \n\t\t\tin the list. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. ",
"smithy.api#range": {
"min": 1,
"max": 100
}
}

},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis the nextToken from a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
"type": "structure",
"members": {
"RegisteredSubscriptionProviders": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
"traits": {
"smithy.api#documentation": " The list of BYOL registration resources that fit the criteria \n\t\t\tyou specified in the request. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List the metadata tags that are assigned to the \n\t\t\tspecified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "GET",
"uri": "/tags/{resourceArn}"
},
"smithy.api#readonly": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"resourceArn": {

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource for which to list metadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
"type": "structure",
"members": {
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags for the requested resource. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "EQUAL",
"value": "Equal",
"documentation": "Equal operator"
},
{
"name": "NOT_EQUAL",
"value": "NotEqual",
"documentation": "Not equal operator"
},
{
"name": "CONTAINS",
"value": "Contains",
"documentation": "Contains operator"
}
],
"smithy.api#length": {

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            "min": 1,
            "max": 20
          }
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
        "type": "string",
        "traits": {
          "smithy.api#enum": [
            {
              "name": "Enabled",
              "value": "Enabled",
              "documentation": "Enabled OrganizationIntegration"
            },
            {
              "name": "Disabled",
              "value": "Disabled",
              "documentation": "Disabled OrganizationIntegration"
            }
          ]
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
        "type": "list",
        "member": {
          "target": "smithy.api#String"
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
         },
        "output": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
          }
        ],
```

"traits": {
"smithy.api#documentation": " Register the supported third-party subscription provider for your Bring Your Own License (BYOL) subscription. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/RegisterSubscriptionProvider"

},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " The supported Linux subscription provider to register. ",
"smithy.api#required": {}
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the secret where you've stored your subscription provider's access token. For \n\t\t\tRHEL subscriptions managed through the Red Hat Subscription Manager (RHSM), the secret contains \n\t\t\tyour Red Hat Offline token. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to your registered Linux subscription provider \n\t\t\tresource. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

"traits": {
"smithy.api#documentation":
" The Linux subscription provider that you registered. "
}
},
"SubscriptionProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " Indicates the status of the registration action for the Linux subscription provider \n\t\t\tthat you requested. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider":
{
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "
}
},
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " A supported third-party Linux subscription provider. License Manager currently supports \n\t\t\tRed Hat subscriptions. "
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Secrets Manager secret that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is the offline token. "

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            }
        },
        "SubscriptionProviderStatus": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
            "traits": {
                "smithy.api#documentation": "<p>Indicates the status of your registered Linux subscription provider
access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions,
\n\t\t\tthis is the status of the offline token.</p>"
            }
        },
        "SubscriptionProviderStatusMessage": {
            "target": "smithy.api#String",
            "traits":
 {
                "smithy.api#documentation": "<p>A detailed message that's associated with your BYOL subscription
\n\t\t\tprovider token status.</p>"
            }
        },
        "LastSuccessfulDataRetrievalTime": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The timestamp from the last time that License Manager accessed
third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>A third-party provider for operating system (OS) platform software and
license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider,
License Manager can get subscription data from the registered provider.</p>"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
 {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "message": {
            "target": "smithy.api#String"
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Unable to find the requested Amazon Web Services resource.</p>",
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"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-\\.]{0,63}:secret:[^/]{1,1023}$"

}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "InProgress",
"value": "InProgress",
"documentation": "InProgress status"
},
{
"name": "Completed",
"value": "Completed",
"documentation": "Completed status"
},
{
"name": "Successful",
"value": "Successful",
"documentation": "Successful status"
},
{
"name": "Failed",
"value": "Failed",
"documentation": "Failed status"
}
]
}
},

"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}

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            }
        },
        "traits": {
            "smithy.api#length": {
                "min": 1,
                "max": 100
            },
            "smithy.api#uniqueItems": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
        "value": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
        "type": "structure",
        "members": {
            "Name":
{
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the subscription.</p>"
                }
            },
            "Type": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included
with Amazon EC2, Bring Your Own\n      Subscription model (BYOS), or from the Amazon Web Services
Marketplace. Certain subscriptions may use licensing from the\n      Amazon Web Services Marketplace as well as
OS licensing from Amazon EC2 or BYOS.</p>"
                }
            },
            "InstanceCount": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>The total amount of running instances using this
subscription.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>An object which details a discovered Linux subscription.</p>"
```

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-
9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [

 {
                "name": "RedHat",
                "value": "RedHat",
                "documentation": "RedHat subscription provider namespace"
            }
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "ACTIVE",
                    "value": "ACTIVE",
                    "documentation": "ACTIVE status"
                },
                {
                    "name": "INVALID",
                    "value": "INVALID",
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"documentation": "INVALID status"
},
{
"name": "PENDING",
"value": "PENDING",
"documentation": "PENDING status"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
"type": "list",
"member": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Add metadata tags to the specified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "PUT",
"uri": "/tags/{resourceArn}"

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            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
        "type": "structure",
        "members":
 {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to which to add the specified \n\t\t\tmetadata tags.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags to assign to the Amazon Web Services resource.
Tags are \n\t\t\tformatted as key value pairs.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }

    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
        "value": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {
```

```
            "min": 0,
            "max": 50
          },
          "smithy.api#sensitive": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
          "message": {
            "target": "smithy.api#String"
          }
        },
        "traits": {
          "smithy.api#documentation":
 "<p>The request was denied due to request throttling.</p>",
          "smithy.api#error": "client"
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web
Services resource.</p>",
           "smithy.api#http": {
            "method": "DELETE",
            "uri": "/tags/{resourceArn}"
          },
          "smithy.api#idempotent": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
        "type": "structure",
        "members": {
```

"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to remove the metadata tags from. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"tagKeys": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
"traits": {

"smithy.api#documentation": " A list of metadata tag keys to remove from the requested \n\t\t\tresource. ",
"smithy.api#httpQuery": "tagKeys",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"

},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates the service settings for Linux subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/UpdateServiceSettings"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Describes if the discovery of Linux subscriptions is enabled. ",
"smithy.api#required": {}
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. ",
"smithy.api#required": {}
}
},
"AllowUpdate": {
"target": "smithy.api#Boolean",
"traits": {
"smithy.api#documentation": " Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",

"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}

},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The provided input is not valid. Try your request again. ",
"smithy.api#error": "client"
}
}

```
   }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}
```

```
type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err !=
 nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
```

```
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil
{
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
```

```
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
DeleteLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
```

```
  RecordResponseTiming
  RequestResponseLogger
GetLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
```

```
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string
```

```
 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
```

```
err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
if err != nil {
 return
err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return
err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
```

```
 return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
```

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// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

```
 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
```

```
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if
 err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil
 {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
  return err
```

```
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
 }
}
```

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// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32
```

```
 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack,
 options, "ListLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
```

```
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack);
 err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:
     ServiceID,
  OperationName: "ListLicenses",
 }
}
CheckInLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
```

RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "shapes": {
    "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
      "type": "structure",
      "members": {
        "message": {
          "target": "smithy.api#String"
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
        "smithy.api#error": "client"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
      "type": "structure",
      "members": {
        "DirectoryId": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation":
"<p>Details about an Active Directory identity provider.</p>"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Associates the user to an EC2 instance to utilize user-based subscriptions. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your\n monthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/AssociateUser"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the

EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The identity provider of the user. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request couldn't be completed because it conflicted with the current state of the\n resource. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider":

```
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deregisters the identity provider from providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/DeregisterIdentityProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
```

```
            "traits": {
              "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
              "smithy.api#required": {}
            }
          },
          "Product": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
              "smithy.api#required": {}
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
        "type": "structure",
        "members": {
          "IdentityProviderSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
            "traits": {
              "smithy.api#documentation":
"<p>Metadata that describes the results of an identity provider operation.</p>",
              "smithy.api#required": {}
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
           },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
          },
```

```
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/DisassociateUser"
            },
            "smithy.api#idempotent": {}
        }

    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation":
 "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
```

"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
}
},

"com.amazonaws.licensemanagerusersubscriptions#Filter": {
"type": "structure",
"members": {
"Attribute": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of an attribute to use as a filter. "
}
},
"Operation": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of search (For example, eq, geq, leq) "
}
},
"Value": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Value of the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used
to return more specific results from a describe\n operation. Filters can be used to match a set of resources by
specific criteria, such as tags,\n attributes, or IDs. "
}

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#FilterList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
        "type": "union",
        "members": {
            "ActiveDirectoryIdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that details an Active Directory identity provider.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>Details about an identity provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Settings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
                "traits": {
                    "smithy.api#documentation": "<p>An object that details the registered identity providers product
related configuration\n      settings such as the subnets to provision VPC endpoints.</p>",
                    "smithy.api#required":
 {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
```

```
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of an identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "FailureMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The failure message associated with an identity provider.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>Describes an identity provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status
 of an EC2 instance resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "Products": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
```

"smithy.api#required": {}
}
},
"LastStatusCheckDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date of the last status check. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for an EC2 instance. "
}

}
},
"traits": {
"smithy.api#documentation": " Describes an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",

"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a user associated with an EC2 instance. ",
"smithy.api#required": {}
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for users of an EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},
"AssociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was associated with an EC2 instance. "
}
},
"DisassociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was disassociated from an EC2 instance. "
}
}

},
"traits": {
"smithy.api#documentation": " Describes users of an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
}

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
            "smithy.api#error": "server"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
        "type": "service",

     "version": "2018-05-10",
        "operations": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
            },
            {
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            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"

},
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                "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
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                "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
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                "sdkId": "License Manager User Subscriptions",
                "arnNamespace": "license-manager-user-subscriptions",
                "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
            },
            "aws.auth#sigv4": {
                "name": "license-manager-user-subscriptions"
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            "aws.protocols#restJson1": {},
            "smithy.api#cors": {
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                    "content-type",
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                    "x-amz-user-agent",
                    "x-amzn-platform-id",
                    "x-amzn-trace-id",
                    "content-length",
                    "x-api-key",
                    "authorization",
                    "x-amz-date",
                    "x-amz-security-token",
                    "Access-Control-Allow-Headers",
                    "Access-Control-Allow-Methods",
                    "Access-Control-Allow-Origin"
                ],
                "additionalExposedHeaders": [
                    "x-amzn-errortype",
                    "x-amzn-requestid",
                    "x-amzn-trace-id"

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            },
            "smithy.api#documentation": "<p>With License Manager, you can create user-based subscriptions to
utilize licensed software with\n      a per user subscription fee on Amazon EC2 instances.</p>",
            "smithy.api#title": "AWS License Manager User Subscriptions",
            "smithy.rules#endpointRuleSet": {
                "version": "1.0",
                "parameters": {
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"required": true,
"default": false,
"documentation": "When true, use the dual-stack
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"type": "Boolean"
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"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"Endpoint": {
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"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
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"ref": "Endpoint"
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"fn": "booleanEquals",
"argv": [
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"ref": "UseFIPS"

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                    ]
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            "type": "error"
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            "endpoint": {
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                    "ref": "Endpoint"
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                "properties": {},
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            "type": "endpoint"
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},
{
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                        "argv": [
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                        "assign": "PartitionResult"
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                "type": "tree",

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                            {
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                                        "ref": "UseDualStack"

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                                                "ref": "PartitionResult"
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            "fn": "getAttr",
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                                            "supportsDualStack"
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                                    "properties": {},
                                    "headers": {}
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"type": "error"
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"argv": [
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]
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},
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            "type": "error"
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            "argv": [
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                "ref": "UseDualStack"
              },
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                          "ref": "PartitionResult"
                        },
                        "supportsDualStack"
                      ]
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            "type": "tree",
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subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
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"type": "endpoint"
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"conditions": [],
"error": "DualStack is enabled but this partition does
not support DualStack",
"type": "error"
}
]
},
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"conditions": [],
"endpoint": {
"url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
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"error": "Invalid Configuration: Missing Region",
"type": "error"
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"smithy.rules#endpointTests": {
"testCases": [
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"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {

"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
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"documentation":
"For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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"params": {
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"params": {
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"expect": {
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}
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"params": {
"Region": "us-east-1",
"UseFIPS": false,

"UseDualStack": false
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"documentation": "For region cn-north-1 with
FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
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"params": {
"Region": "cn-north-1",
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"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
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"url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
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"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region cn-north-1

with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
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"params": {
"Region": "cn-north-1",
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
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"params": {
"Region": "us-gov-east-1",
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"UseDualStack": true
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"params": {
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"UseDualStack": false
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {
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"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect":
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"url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
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"params": {
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"UseDualStack": false
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"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"

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                        }
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                        "UseDualStack": true
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                    "expect": {
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                            "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
                        }
                    },
                    "params": {
                        "Region": "us-isob-east-1",
                        "UseFIPS": true,
                        "UseDualStack": false
                    }

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"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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}
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"params": {
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"UseFIPS": false,
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"expect": {
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"params": {
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"UseFIPS": false,
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"Endpoint": "https://example.com"
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"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
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"Endpoint": "https://example.com"
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"UseFIPS": true,
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"Endpoint": "https://example.com"
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"documentation": "For custom endpoint with fips disabled and dualstack enabled",
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"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
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"Region": "us-east-1",
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"UseDualStack": true,
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"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
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"version": "1.0"
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"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
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"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
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"errors": [
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"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
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{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the identity providers for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/ListIdentityProviders"
},
"smithy.api#paginated":
{
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "IdentityProviderSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "smithy.api#String",

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            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse":
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    "type": "structure",
    "members": {
        "IdentityProviderSummaries": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
            "traits": {
                "smithy.api#documentation": "<p>Metadata that describes the list identity providers operation.</p>",
                "smithy.api#required": {}
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    }
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"com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
     },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
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            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/instance/ListInstances"
            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "InstanceSummaries"
            }
        }
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    "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
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        "members": {
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify.</p>"
                }
            }
        }
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    "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
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"type":
"structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list instances operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
},
"errors": [
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"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
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"traits": {
"smithy.api#documentation": " Lists the user-based subscription products available from an identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListProductSubscriptions"
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"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "ProductUserSummaries"
}
}
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"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
"type": "structure",
"members": {
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
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"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
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"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {

"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
"type": "structure",
"members": {
"ProductUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions operation. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/ListUserAssociations"
            },
            "smithy.api#paginated":
{
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "InstanceUserSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity
provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
```

"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
"type": "structure",
"members": {
"InstanceUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list user association operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
"type": "structure",
"members": {

"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},

"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}

},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a product for a user. ",
"smithy.api#required": {}
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for a product for a user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},
"SubscriptionStartDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The
start date of a subscription. "
}
},
"SubscriptionEndDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The end date of a subscription. "
}
}
},

```
    "traits": {
        "smithy.api#documentation": "<p>The summary of the user-based subscription products for a user.</p>"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
     },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
         },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/identity-provider/RegisterIdentityProvider"
        },
```

"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings such as the\n subnets to provision VPC endpoints. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {

```
            "target": "smithy.api#String"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The resource couldn't be found.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 404
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
        "type": "string",

    "traits": {
          "smithy.api#length": {
            "min": 5,
            "max": 200
          },
          "smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
        "type": "structure",
        "members": {
          "message": {
            "target": "smithy.api#String"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The request failed because a service quota is exceeded.</p>",
          "smithy.api#error": "client"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#Settings": {
        "type": "structure",
        "members": {
          "Subnets": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
            "traits": {
              "smithy.api#documentation":
  "<p>The subnets defined for the registered identity provider.</p>",
              "smithy.api#length": {
                "min": 1
              },
              "smithy.api#required": {}
            }
          },
          "SecurityGroupId": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
```

"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688 communication between resources in\n your VPC and the VPC endpoint for activation servers. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings such as the\n subnets to provision VPC endpoints, and the security group ID that is associated with the VPC\n endpoints. The security group should permit inbound TCP port 1688 communication from resources\n in the VPC. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Starts a product subscription for a user with the specified identity provider. \n <note>\n Your estimated bill for charges on the number of users and related costs

will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing.
For more information, see Viewing your\n monthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StartProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {

"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"

},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Stops a product subscription for a user with the specified identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StopProductSubscription"

```
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required":
{}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
        "type": "structure",
        "members": {
            "ProductUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
                "traits": {
                    "smithy.api#documentation":
"<p>Metadata that describes the start product subscription operation.</p>",
                    "smithy.api#required": {}
                }
            }
        }
```

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#StringList": {
        "type": "list",
        "member": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Subnet": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "subnet-[a-z0-9]{8,17}"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Subnets": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
            "message": {

             "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the
request.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates additional product configuration settings for the registered
identity\n      provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/UpdateIdentityProviderSettings"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "UpdateSettings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
                "traits": {
                    "smithy.api#documentation": "<p>Updates the registered identity providers product related
configuration settings. You can\n      update any combination of settings in a single operation such as the:</p>\n
<ul>\n            <li>\n                <p>Subnets which you want to add to provision VPC endpoints.</p>\n            </li>\n
            <li>\n                <p>Subnets which you want to remove the VPC endpoints from.</p>\n            </li>\n
<li>\n                <p>Security group ID which permits traffic to the VPC endpoints.</p>\n            </li>\n        </ul>",
                    "smithy.api#required": {}
                }
            }
        }
    },
```

"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
"type": "structure",
"members": {
"AddSubnets": {

"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets in which License Manager will create a VPC endpoint for products that\n require connectivity to activation servers. ",
"smithy.api#required": {}
}
},
"RemoveSubnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets to remove. ",
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688 communication between resources in\n your VPC and the VPC endpoints for activation servers. "
}
}
},
"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related configuration settings such as\n the subnets to provision VPC endpoints. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {

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                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A parameter is not valid.</p>",
            "smithy.api#error": "client"
        }
    }
  }
}
{
  "smithy": "2.0",
  "metadata": {
    "suppressions": [
        {
            "id": "HttpMethodSemantics",
            "namespace": "*"
        },
        {
            "id": "HttpResponseCodeSemantics",
            "namespace": "*"
        },
        {
            "id": "PaginatedTrait",
            "namespace": "*"
        },
        {
            "id": "HttpHeaderTrait",
            "namespace": "*"
        },
        {
            "id": "HttpUriConflict",
            "namespace": "*"
        },
        {
            "id": "Service",
            "namespace": "*"
        }
    ]
  },
  "shapes": {
    "com.amazonaws.licensemanager#AWSLicenseManager": {
        "type": "service",
        "version": "2018-08-01",
        "operations": [
            {
                "target": "com.amazonaws.licensemanager#AcceptGrant"
            },
```

{
"target": "com.amazonaws.licensemanager#CheckInLicense"
},
{
"target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
},
{
"target": "com.amazonaws.licensemanager#CheckoutLicense"
},
{
"target": "com.amazonaws.licensemanager#CreateGrant"
},
{
"target": "com.amazonaws.licensemanager#CreateGrantVersion"
},
{
"target": "com.amazonaws.licensemanager#CreateLicense"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseVersion"
},
{
"target": "com.amazonaws.licensemanager#CreateToken"
},
{
"target": "com.amazonaws.licensemanager#DeleteGrant"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicense"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#DeleteToken"

```
    },
    {
      "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

  },
    {
      "target": "com.amazonaws.licensemanager#GetAccessToken"
    },
    {
      "target": "com.amazonaws.licensemanager#GetGrant"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicense"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicenseUsage"
    },
    {
      "target": "com.amazonaws.licensemanager#GetServiceSettings"
    },
    {
      "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
    },
    {
      "target": "com.amazonaws.licensemanager#ListDistributedGrants"
    },
    {
      "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
    },
    {
      "target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
    },
    {
      "target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
    },
    {
      "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
    },
    {
```

"target": "com.amazonaws.licensemanager#ListLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
},
{

"target": "com.amazonaws.licensemanager#ListLicenseVersions"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedGrants"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
},
{
"target": "com.amazonaws.licensemanager#ListResourceInventory"
},
{
"target": "com.amazonaws.licensemanager#ListTagsForResource"
},
{
"target": "com.amazonaws.licensemanager#ListTokens"
},
{
"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#RejectGrant"
},
{
"target": "com.amazonaws.licensemanager#TagResource"
},
{
"target": "com.amazonaws.licensemanager#UntagResource"
},
{
"target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
},

{
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
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"target": "com.amazonaws.licensemanager#UpdateServiceSettings"
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"traits": {
"aws.api#service": {
"sdkId": "License Manager",
"arnNamespace": "license-manager",
"cloudFormationName": "LicenseManager",
"cloudTrailEventSource": "licensemanager.amazonaws.com",
"endpointPrefix": "license-manager"
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"aws.auth#sigv4": {
"name": "license-manager"
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"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
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"smithy.rules#endpointRuleSet": {
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"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
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"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
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"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send

this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
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"ref": "Endpoint"
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"argv": [
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"type": "error"
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"type": "error"
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                "type": "error"
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"supportsDualStack"

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    "type": "error"
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"UseFIPS": false,
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"url": "https://license-manager.ap-northeast-3.amazonaws.com"
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"params": {
"Region": "ap-northeast-3",
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"UseDualStack": false
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        "params": {
            "Region": "ap-southeast-3",
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          "documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
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            "UseDualStack": false
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                "UseDualStack": false
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                "UseDualStack": false
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"UseFIPS": false,
"UseDualStack": false
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"params": {

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"UseDualStack": true
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"params": {
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"Region": "cn-north-1",
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            "UseFIPS": false,
            "UseDualStack": true
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disabled",
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                "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
            }
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        "params": {
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            "UseFIPS": false,
            "UseDualStack": false
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        "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
            "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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        "params": {
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            "UseFIPS": true,
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    "UseDualStack": false
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but this partition does not support DualStack"
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    "UseFIPS": false,
    "UseDualStack": true
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    }
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    "UseFIPS": true,
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                    }
                },

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                    "UseFIPS": false,
                    "UseDualStack": true
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            {
                "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
                "expect": {
                    "endpoint": {
                        "url": "https://example.com"
```

```
                }
            },
            "params": {
                "UseFIPS": false,

    "UseDualStack": false,
                "Endpoint": "https://example.com"
            }
        },
        {
            "documentation": "For custom endpoint with fips enabled and dualstack disabled",
            "expect": {
                "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
            }
        },
        {
            "documentation": "For custom endpoint with fips disabled and dualstack enabled",
            "expect": {
                "error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": true,
                "Endpoint": "https://example.com"
            }
        },
        {
            "documentation": "Missing region",
            "expect": {
                "error": "Invalid Configuration: Missing Region"
            }
        }
    ],
    "version": "1.0"
  }
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
  "type": "operation",
  "input": {
```

"target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
"output": {
"target": "com.amazonaws.licensemanager#AcceptGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"

}
],
"traits": {
"smithy.api#documentation": " Accepts the specified grant. "
}
},
"com.amazonaws.licensemanager#AcceptGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

```
    },
    "com.amazonaws.licensemanager#AcceptGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant
ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#AccessDeniedException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {

  "code": "ServiceAccessDenied",
                "httpResponseCode": 401
            },
            "smithy.api#documentation": "<p>Access to resource denied.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 401
        }
    },
    "com.amazonaws.licensemanager#ActivationOverrideBehavior": {
        "type": "enum",
```

```
        "members": {
          "DISTRIBUTED_GRANTS_ONLY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
            }
          },
          "ALL_GRANTS_PERMITTED_BY_ISSUER": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
            }
          }
        }
      },
      "com.amazonaws.licensemanager#AllowedOperation": {

      "type": "enum",
        "members": {
          "CREATE_GRANT": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "CreateGrant"
            }
          },
          "CHECKOUT_LICENSE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "CheckoutLicense"
            }
          },
          "CHECKOUT_BORROW_LICENSE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "CheckoutBorrowLicense"
            }
          },
          "CHECK_IN_LICENSE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "CheckInLicense"
            }
          },
          "EXTEND_CONSUMPTION_LICENSE":
{
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "ExtendConsumptionLicense"
```

```
            }
        },
        "LIST_PURCHASED_LICENSES": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ListPurchasedLicenses"
            }
        },
        "CREATE_TOKEN": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "CreateToken"
            }
        }
    }
},
"com.amazonaws.licensemanager#AllowedOperationList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#AllowedOperation"
    },
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max":
7
        }
    }
},
"com.amazonaws.licensemanager#Arn": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 2048
        },
        "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-
z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
    }
},
"com.amazonaws.licensemanager#ArnList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Arn"
    }
},
"com.amazonaws.licensemanager#AuthorizationException": {
    "type": "structure",
```

"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError":
{
"code": "AuthorizationFailure",
"httpResponseCode": 403
},
"smithy.api#documentation": " The Amazon Web Services user account does not have permission to perform the action. Check the IAM\n policy associated with this account. ",
"smithy.api#error": "client",
"smithy.api#httpError": 403
}
},
"com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
"type": "structure",
"members": {
"LastRunTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time that automated discovery last ran. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes automated discovery. "
}
},

"com.amazonaws.licensemanager#Boolean": {
"type": "boolean",
"traits": {
"smithy.api#default": false
}
},
"com.amazonaws.licensemanager#BorrowConfiguration": {
"type": "structure",
"members": {
"AllowEarlyCheckIn": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether early check-ins are allowed. ",
"smithy.api#required": {}
}
},

```
            "MaxTimeToLiveInMinutes": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
                    "smithy.api#required": {}
                }
            }

    },
        "traits": {
            "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#BoxBoolean": {
        "type": "boolean"
    },
    "com.amazonaws.licensemanager#BoxInteger": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#BoxLong": {
        "type": "long"
    },
    "com.amazonaws.licensemanager#CheckInLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"

     },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
```

"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks in the specified license. Check in a license when it is no longer in use. "
}
},
"com.amazonaws.licensemanager#CheckInLicenseRequest": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckInLicenseResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"

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        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
        "type": "structure",
        "members":
```

{
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The license must use the borrow consumption configuration. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. Partial checkouts are not supported. ",
"smithy.api#required": {}
}
},
"DigitalSignatureMethod": {
"target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
"traits": {
"smithy.api#documentation": " Digital signature method. The possible value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see RFC 7518 Digital Signature with RSASSA-PSS. ",
"smithy.api#required": {}
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}

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        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },
            "EntitlementsAllowed":
{
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
                }
            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "SignedToken": {
                "target": "com.amazonaws.licensemanager#SignedToken",
                "traits": {
                    "smithy.api#documentation": "<p>Signed token.</p>"
                }
            },
            "IssuedAt": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
                }
            },
            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
                }
```

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            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target":
"com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license.</p>\n        <note>\n            <p>If the
account that created the license is the same that is performing the check out, you must\n            specify the account
as the beneficiary.</p>\n        </note>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicenseRequest": {
        "type": "structure",
        "members": {
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product
 SKU.</p>",
                    "smithy.api#required": {}
                }
            },
            "CheckoutType": {
                "target": "com.amazonaws.licensemanager#CheckoutType",
                "traits": {
                    "smithy.api#documentation": "<p>Checkout type.</p>",
                    "smithy.api#required": {}
                }
            },
            "KeyFingerprint": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Key fingerprint identifying the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements.</p>",

    "smithy.api#required": {}
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
```

idempotency of the request. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
"type": "structure",
"members": {
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. "
}
},
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},
"EntitlementsAllowed": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " Allowed license entitlements. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}

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            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "IssuedAt": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
                }
            },
            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
                }
            },
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutType": {
        "type": "enum",
        "members": {
            "PROVISIONAL": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PROVISIONAL"
                }
            },
            "PERPETUAL": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PERPETUAL"
                }
             }
        }
    },
```

"com.amazonaws.licensemanager#ClientRequestToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 36
}
}
},
"com.amazonaws.licensemanager#ClientToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 2048
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#ConflictException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "ConflictException",
"httpResponseCode":
409
},
"smithy.api#documentation": " There was a conflict processing the request. Try your request
again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 409
}
},
"com.amazonaws.licensemanager#ConsumedLicenseSummary": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Resource type of the resource consuming a license. "
}
},
"ConsumedLicenses": {

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            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
            }
        }
    },

"traits": {
        "smithy.api#documentation": "<p>Details about license consumption.</p>"
    }
  },
  "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
    }
  },
  "com.amazonaws.licensemanager#ConsumptionConfiguration": {
    "type": "structure",
    "members": {
        "RenewType": {
            "target": "com.amazonaws.licensemanager#RenewType",
            "traits": {
                "smithy.api#documentation": "<p>Renewal frequency.</p>"
            }
        },
        "ProvisionalConfiguration": {
            "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
             }
        },
        "BorrowConfiguration": {
            "target": "com.amazonaws.licensemanager#BorrowConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
    }
  },
  "com.amazonaws.licensemanager#CreateGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateGrantRequest"
    },
```

"output": {
"target": "com.amazonaws.licensemanager#CreateGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a grant for the specified license. A grant shares the use of license\n entitlements with a specific Amazon Web Services account, an organization, or an\n organizational unit (OU). For more
information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#CreateGrantRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}

}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Principals": {
"target": "com.amazonaws.licensemanager#PrincipalArnList",
"traits": {
"smithy.api#documentation": " The grant principals. You can specify one of the following as an Amazon Resource Name\n (ARN): \n \n \n An Amazon Web Services account, which includes only the account specified. \n \n \n \n \n An organizational unit (OU), which includes all accounts in the OU. \n \n \n \n \n An organization, which will include all accounts across your organization. \n \n ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations for the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
"type": "structure",

```
        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
              "smithy.api#documentation": "<p>Grant status.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Grant version.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#CreateGrantVersion":
{
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information, see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",

    "smithy.api#required": {}
                }
            },
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>"
                }
            },
            "AllowedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
```

```
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "StatusReason": {
            "target": "com.amazonaws.licensemanager#StatusReasonMessage",
            "traits": {
                "smithy.api#documentation": "<p>Grant status reason.</p>"
            }
        },
        "SourceVersion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Current version of the grant.</p>"
            }
        },
        "Options": {
            "target": "com.amazonaws.licensemanager#Options",
            "traits": {
                "smithy.api#documentation": "<p>The options specified for the grant.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersionResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>New version of the grant.</p>"
            }
        }
```

```
        },
        "traits":
{
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
             },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
```

```
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
           },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager. Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or all of these), license affinity  to host (how long a \n        license must be associated with a host), and the number of licenses purchased and used.</p>"
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
          "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Name of the license configuration.</p>",
              "smithy.api#required": {}
            }
          },
          "Description": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Description of the license configuration.</p>"
            }
          },
          "LicenseCountingType": {
            "target": "com.amazonaws.licensemanager#LicenseCountingType",
```

"traits": {
"smithy.api#documentation": " Dimension used to track the license inventory. ",
"smithy.api#required": {}
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether hard or soft license enforcement is used. Exceeding a hard limit\n blocks the launch of new instances. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows. \n \n \n \n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> | <code>minimumCores</code>\n \n \n \n \n <code>Instances</code> dimension: <code>allowedTenancy</code> | \n <code>maximumCores</code> | <code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n \n
\n <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n <code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code>\n \n \n \n \n <code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n <code>honorVcpuOptimization</code> | \n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n \n The unit for <code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for <code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n <code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n <code>True</code> and <code>False</code>. "
}
},

"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the license configuration. "

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            }
        },
        "DisassociateWhenNotFound": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
                "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
            }
        },
        "ProductInformationList": {
            "target": "com.amazonaws.licensemanager#ProductInformationList",
            "traits": {
                "smithy.api#documentation": "<p>Product information.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
{
    "type": "structure",
    "members": {
        "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
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"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a new license conversion task. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {

"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource you are converting the license type for. ",
"smithy.api#required": {}
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
},
"DestinationLicenseContext":
{
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting to. For the structure of the destination license, see Convert a license type using the CLI in

the License Manager User Guide. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

"traits": {
"smithy.api#documentation": " The ID of the created license type conversion task. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

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            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "ReportGeneratorName":
 {
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types an be
generated:</p>\n        <ul>\n            <li>\n                <p>License configuration report - Reports the number and
details of consumed licenses for a license configuration.</p>\n            </li>\n            <li>\n                <p>Resource
report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n            </li>\n
</ul>",
                    "smithy.api#required": {}

        }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
                    "smithy.api#documentation": "<p>Defines the type of license configuration the report generator
tracks.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportFrequency": {
                "target": "com.amazonaws.licensemanager#ReportFrequency",
                "traits": {
```

"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the new report generator. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseRequest": {
"type": "structure",

"members": {
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product
name. ",
"smithy.api#required": {}
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits": {
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region for the license. ",
"smithy.api#required": {}

}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-
UTC format. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",

"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}

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        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        },
        "Version": {
             "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#ConflictException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
```

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            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target":
"com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Issuer": {
                "target": "com.amazonaws.licensemanager#Issuer",
                "traits":
{
                    "smithy.api#documentation": "<p>License issuer.</p>",
                    "smithy.api#required": {}
                }
            },
            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region of the license.</p>",
                    "smithy.api#required": {}
                }
            },
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"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},

"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",

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                "traits": {
                    "smithy.api#documentation": "<p>Current version of the license.</p>"
                }
            }
        },
        "traits": {

"smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>License ARN.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>New version of the license.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output":
{}
        }
    },
    "com.amazonaws.licensemanager#CreateToken": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateTokenRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateTokenResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },

        {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n        <p>A refresh token is a JWT token used to get an access token. With an access token,\n        you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n        call License Manager to manage the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateTokenRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n        JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "RoleArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n        License Manager does not check whether the roles are in use.</p>"
                }
```

```
            },
            "ExpirationInDays": {
                "target": "com.amazonaws.licensemanager#Integer",
                "traits": {
                    "smithy.api#documentation": "<p>Token expiration, in days, counted from token creation. The
default is 365 days.</p>"
                }
            },
            "TokenProperties": {
                 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Data specified by the caller to be included in the JWT token. The
data is mapped\n          to the amr claim of the JWT token.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateTokenResponse": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",

                 "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>"
                }
            },
            "TokenType": {
                "target": "com.amazonaws.licensemanager#TokenType",
                "traits": {
                    "smithy.api#documentation": "<p>Token type.</p>"
                }
            },
            "Token": {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
                }
```

```
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
        "Begin": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Start of the time range.</p>",
                "smithy.api#required": {}
            }
        },
        "End": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>End of the time range.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
},
"com.amazonaws.licensemanager#DeleteGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
```

```
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "StatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the
grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteGrantResponse": {
```

"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation":
" Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"

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},
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
        },

    "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n        <p>You cannot
delete a license configuration that is in use.</p>"
        }
```

```
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
      "type": "structure",
      "members":
{
        "LicenseConfigurationArn": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>ID of the license configuration.</p>",
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
      "type": "structure",
      "members": {},
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
       },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
```

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            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
             }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified report generator.</p>\n        <p>This action
deletes the report generator, which stops it from generating future reports.\n        The action cannot be reversed. It
has no effect on the previous reports from this generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to be
deleted.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {

 "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
```

```
            }
          },
          "SourceVersion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Current version of the license.</p>",
              "smithy.api#required":
{}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#DeleteLicenseResponse": {
        "type": "structure",
        "members": {
          "Status": {
            "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
            "traits": {
              "smithy.api#documentation": "<p>License status.</p>"
            }
          },
          "DeletionDate": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#DeleteToken": {
        "type": "operation",
         "input": {
          "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},

{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified token. Must be called in the license home Region. "
}
},
"com.amazonaws.licensemanager#DeleteTokenRequest": {
"type": "structure",
"members": {
"TokenId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token ID. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteTokenResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}

}
},
"com.amazonaws.licensemanager#DigitalSignatureMethod": {

"type": "enum",
"members": {
"JWT_PS384": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "JWT_PS384"
}
}
}
},
"com.amazonaws.licensemanager#Entitlement": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement resource. Use only
if the unit is None. "
}
},
"MaxCount": {
"target": "com.amazonaws.licensemanager#Long",
"traits": {
"smithy.api#documentation": " Maximum entitlement count. Use if the unit is not None. "
}
},
"Overage": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether overages are allowed. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementUnit",
"traits": {
"smithy.api#documentation": " Entitlement unit. ",
"smithy.api#required": {}
}
},
"AllowCheckIn": {
"target":

"com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether check-ins are allowed. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a resource entitled for use with a license. "
}
},
"com.amazonaws.licensemanager#EntitlementData": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement data name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement
data value. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementDataUnit",
"traits": {
"smithy.api#documentation": " Entitlement data unit. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Data associated with an entitlement resource. "
}
},
"com.amazonaws.licensemanager#EntitlementDataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#EntitlementData"
}
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
"type": "enum",
"members": {

"COUNT": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}

```
        },
        "GIGABYTES": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Gigabytes"
          }
        },
        "TERABYTES": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Terabytes"
          }
        },
        "BITS":
{
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Bits"
          }
        },
        "KILOBITS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Kilobits"
          }
        },
        "MEGABITS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Megabits"
          }
        },
        "GIGABITS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Gigabits"
          }
        },
        "TERABITS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Terabits"

    }
        },
        "PERCENT": {
          "target": "smithy.api#Unit",
          "traits": {
```

```
        "smithy.api#enumValue": "Percent"
    }
},
"BYTES_PER_SECOND": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Bytes/Second"
    }
},
"KILOBYTES_PER_SECOND": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Kilobytes/Second"
    }
},
"MEGABYTES_PER_SECOND": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Megabytes/Second"
    }
},
"GIGABYTES_PER_SECOND": {
    "target": "smithy.api#Unit",
     "traits": {
        "smithy.api#enumValue": "Gigabytes/Second"
    }
},
"TERABYTES_PER_SECOND": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Terabytes/Second"
    }
},
"BITS_PER_SECOND": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Bits/Second"
    }
},
"KILOBITS_PER_SECOND": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Kilobits/Second"
    }
},
"MEGABITS_PER_SECOND": {
    "target": "smithy.api#Unit",
    "traits": {
```

"smithy.api#enumValue":
"Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},
"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Entitlement"
}
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The entitlement is not allowed. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#EntitlementUnit": {
"type": "enum",
"members": {
"COUNT": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},

"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"
}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}

```
            },
            "BYTES_PER_SECOND": {
                "target":
"smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Bytes/Second"
                }
            },
            "KILOBYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Kilobytes/Second"
                }
            },
            "MEGABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Megabytes/Second"
                }
            },
            "GIGABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Gigabytes/Second"
                }
            },
            "TERABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {

"smithy.api#enumValue": "Terabytes/Second"
                }
            },
            "BITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Bits/Second"
                }
            },
            "KILOBITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Kilobits/Second"
                }
            },
            "MEGABITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
```

"smithy.api#enumValue": "Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},

"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementUsage": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement usage name. ",
"smithy.api#required": {}
}
},
"ConsumedValue": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Resource usage consumed. ",
"smithy.api#required": {}
}
},
"MaxCount": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Maximum entitlement usage count. "
}
},

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            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementUsageList":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementUsage"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumption": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
```

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            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}

  }
            },
            "DryRun": {
                "target": "com.amazonaws.licensemanager#Boolean",
                "traits": {
                    "smithy.api#default": false,
                    "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action,
without actually making the request. Provides an error response if you do not have the required permissions.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },

            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
                }
            }
        },
        "traits": {
```

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#FailedDependencyException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
},
"ErrorCode": {
"target": "com.amazonaws.licensemanager#String"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FailedDependency",
"httpResponseCode": 424
},
"smithy.api#documentation":
" A dependency required to run the API is missing. ",
"smithy.api#error": "client",
"smithy.api#httpError": 424
}
},
"com.amazonaws.licensemanager#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#FilterName",
"traits": {
"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only
specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter
name and value pair that is used to return more specific results from a\n describe operation. Filters can be used
to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {

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    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "FilterLimitExceeded",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#FilterList": {
    "type": "list",
     "member": {
        "target": "com.amazonaws.licensemanager#Filter"
    }
},
"com.amazonaws.licensemanager#FilterName": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#FilterValue",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#Filters": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Filter",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#GetAccessToken": {
    "type": "operation",
```

"input": {
"target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets a temporary access token to use with AssumeRoleWithWebIdentity. Access
tokens\n are valid for one hour. "
}
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
"type": "structure",
"members": {
"Token": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Refresh token, encoded as a JWT token. ",
"smithy.api#required": {}
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Token properties to validate against those present in the JWT token. "
}
}
},
"traits": {

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            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetAccessTokenResponse":
{
        "type": "structure",
        "members": {
            "AccessToken": {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Temporary access token.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetGrantResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"

        },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
```

```
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
    "type": "structure",
    "members": {
        "Grant": {
            "target": "com.amazonaws.licensemanager#Grant",
            "traits": {
                "smithy.api#documentation": "<p>Grant details.</p>"
            }
        }
    },
    "traits": {

"smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseRequest"
    },
    "output": {
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"target": "com.amazonaws.licensemanager#GetLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"

},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},

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            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the specified license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits":
 {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurationId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
                }
            },
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
                }
            },
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>"
                 }
            },
            "Description": {
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"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension for which the licenses are counted. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",

"traits": {
"smithy.api#documentation": " Number of available licenses. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Sets the number of available licenses as a hard limit. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses assigned to resources. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License configuration status. "
}

},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner of the license configuration. "
}

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            },
            "ConsumedLicenseSummaryList": {
                "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
                "traits": {
                    "smithy.api#documentation": "<p>Summaries of the licenses consumed by resources.</p>"
                }
            },
            "ManagedResourceSummaryList": {
                "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
                "traits": {
                    "smithy.api#documentation": "<p>Summaries of the managed resources.</p>"
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                 "traits": {
                    "smithy.api#documentation": "<p>Tags for the license configuration.</p>"
                }
            },
            "ProductInformationList": {
                "target": "com.amazonaws.licensemanager#ProductInformationList",
                "traits": {
                    "smithy.api#documentation": "<p>Product information.</p>"
                }
            },
            "AutomatedDiscoveryInformation": {
                "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
                "traits": {
                    "smithy.api#documentation": "<p>Automated discovery information.</p>"
                }
            },
            "DisassociateWhenNotFound": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>When
true, disassociates a resource when software is uninstalled.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConversionTask": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
        },
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"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified license type conversion task. "
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "

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            }
        },
        "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the resources the license
conversion task is associated with.</p>"
            }
        },
        "SourceLicenseContext": {
            "target": "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
                "smithy.api#documentation": "<p>Information
 about the license type converted from.</p>"
            }
        },
        "DestinationLicenseContext": {
            "target": "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
                "smithy.api#documentation": "<p>Information about the license type converted to.</p>"
            }
        },
        "StatusMessage": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
            "traits": {
                "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
            }
        },

  "StartTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
            }
        },
        "LicenseConversionTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
            }
        },
        "EndTime": {
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"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was completed. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {

"smithy.api#documentation": " Gets information about the specified report generator. "
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. ",
"smithy.api#required":
{}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"ReportGenerator": {
"target": "com.amazonaws.licensemanager#ReportGenerator",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license configurations. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

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                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#GetLicenseResponse": {
    "type": "structure",
    "members": {
        "License": {
            "target": "com.amazonaws.licensemanager#License",
            "traits": {
                "smithy.api#documentation": "<p>License details.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},

"com.amazonaws.licensemanager#GetLicenseUsage": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
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"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the usage of the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseUsageRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseUsageResponse": {
"type": "structure",
"members": {
"LicenseUsage": {
"target":
"com.amazonaws.licensemanager#LicenseUsage",
"traits": {
"smithy.api#documentation": " License usage details. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets the License Manager settings for the current Region. "
}
},
"com.amazonaws.licensemanager#GetServiceSettingsRequest": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Regional S3 bucket path for storing reports, license trail event data, discovery data,\n and so on. "

}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " SNS topic configured to receive notifications from License Manager. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Indicates whether Organizations is integrated with License Manager for\n cross-account discovery. "
}
},

"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether cross-account discovery is enabled. "
}

},
"LicenseManagerResourceShareArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource share. The License Manager management account \n provides member accounts with access to this share. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Grant": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}
}
},
"ParentArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",

"smithy.api#required": {}
}
},
"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. ",
"smithy.api#required": {}
}
},
"GrantedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Granted operations. ",
"smithy.api#required": {}
}
},
"Options": {
"target": "com.amazonaws.licensemanager#Options",
"traits": {

"smithy.api#documentation": " The options specified for the grant. "
}
}
},
"traits": {
"smithy.api#documentation":
" Describes a grant. "
}
},
"com.amazonaws.licensemanager#GrantList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Grant"
}
},
"com.amazonaws.licensemanager#GrantStatus": {
"type": "enum",
"members": {
"PENDING_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_WORKFLOW"
}
},
"PENDING_ACCEPT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_ACCEPT"
}
},
"REJECTED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REJECTED"

}
},
"ACTIVE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ACTIVE"
}
},
"FAILED_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED_WORKFLOW"
}

```
            },
            "DELETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DELETED"
                }
            },
            "PENDING_DELETE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_DELETE"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits":
{
                    "smithy.api#enumValue": "DISABLED"
                }
            },
            "WORKFLOW_COMPLETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WORKFLOW_COMPLETED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#GrantedLicense": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>"
                }

  },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product name.</p>"
```

```
            }
        },
        "ProductSKU": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Product SKU.</p>"
            }
        },
        "Issuer": {
            "target": "com.amazonaws.licensemanager#IssuerDetails",
            "traits": {
                "smithy.api#documentation": "<p>Granted license issuer.</p>"
            }
        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Home Region of the granted license.</p>"

         }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>Granted license status.</p>"
            }
        },
        "Validity": {
            "target": "com.amazonaws.licensemanager#DatetimeRange",
            "traits": {
                "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in
ISO8601-UTC format.</p>"
            }
        },
        "Beneficiary": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
            }
        },
        "Entitlements": {
            "target": "com.amazonaws.licensemanager#EntitlementList",
             "traits": {
                "smithy.api#documentation": "<p>License entitlements.</p>"
            }
        },
        "ConsumptionConfiguration": {
            "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
```

```
            "traits": {
                "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
            }
        },
        "LicenseMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
                "smithy.api#documentation": "<p>Granted license metadata.</p>"
            }
        },
        "CreateTime": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Creation time of the granted license.</p>"

  }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Version of the granted license.</p>"
            }
        },
        "ReceivedMetadata": {
            "target": "com.amazonaws.licensemanager#ReceivedMetadata",
            "traits": {
                "smithy.api#documentation": "<p>Granted license received metadata.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
    }
},
"com.amazonaws.licensemanager#GrantedLicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#GrantedLicense"
    }
},
"com.amazonaws.licensemanager#ISO8601DateTime":
{
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 50
        },
```

"smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$"
}
},
"com.amazonaws.licensemanager#Integer": {
"type": "integer"
},
"com.amazonaws.licensemanager#InvalidParameterValueException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidParameterValueProvided",
"httpResponseCode": 400
},
"smithy.api#documentation":
" One or more parameter values are not valid. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#InvalidResourceStateException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidResourceState",
"httpResponseCode": 400
},
"smithy.api#documentation": " License Manager cannot allocate a license to a resource because of its state. \n For example, you cannot allocate a license to an instance in the process of shutting\n down. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},

"com.amazonaws.licensemanager#InventoryFilter": {
"type": "structure",
"members": {

```
        "Name": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Name of the filter.</p>",
            "smithy.api#required": {}
          }
        },
        "Condition": {
          "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
          "traits": {
            "smithy.api#documentation": "<p>Condition of the filter.</p>",
            "smithy.api#required": {}
          }
        },
        "Value": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Value of the filter.</p>"
          }
        }

    },
      "traits": {
        "smithy.api#documentation": "<p>An inventory filter.</p>"
      }
    },
    "com.amazonaws.licensemanager#InventoryFilterCondition": {
      "type": "enum",
      "members": {
        "EQUALS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "EQUALS"
          }
        },
        "NOT_EQUALS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "NOT_EQUALS"
          }
        },
        "BEGINS_WITH": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "BEGINS_WITH"
          }
        },
        "CONTAINS": {
```

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CONTAINS"
}
}
}
},
"com.amazonaws.licensemanager#InventoryFilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#InventoryFilter"
}
},
"com.amazonaws.licensemanager#Issuer": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. ",
"smithy.api#required": {}
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the issuer of a license. "
}
},
"com.amazonaws.licensemanager#IssuerDetails": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. "
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer key fingerprint. "
}
}
},
"traits": {
"smithy.api#documentation": " Details associated with the issuer of a license. "
}
},
"com.amazonaws.licensemanager#License": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " License name. "
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " License issuer. "

```
            }
        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {

        "smithy.api#documentation": "<p>Home Region of the license.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        },
        "Validity": {
            "target": "com.amazonaws.licensemanager#DatetimeRange",
            "traits": {
                "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>"
            }
        },
        "Beneficiary": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License beneficiary.</p>"
            }
        },
        "Entitlements": {

    "target": "com.amazonaws.licensemanager#EntitlementList",
            "traits": {
                "smithy.api#documentation": "<p>License entitlements.</p>"
            }
        },
        "ConsumptionConfiguration": {
            "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
            }
        },
        "LicenseMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
                "smithy.api#documentation": "<p>License metadata.</p>"
            }
        },
        "CreateTime": {
```

"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " License
creation time. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#documentation": " Software license that is managed in License Manager. "
}
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
"type": "structure",
"members": {
"LicenseConfigurationId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Unique ID of the license configuration. "
}
},
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension to use to track the license inventory. "

```
            }
        },
        "LicenseRules": {
            "target": "com.amazonaws.licensemanager#StringList",
            "traits": {
                "smithy.api#documentation": "<p>License rules.</p>"
            }
        },
        "LicenseCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
            }
        },
        "LicenseCountHardLimit": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
                "smithy.api#documentation": "<p>Number of available licenses as a hard limit.</p>"
            }
        },
        "DisassociateWhenNotFound": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
                "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
            }
        },
        "ConsumedLicenses": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of licenses consumed. </p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Status of the license configuration.</p>"
            }
        },
        "OwnerAccountId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Account ID of the license configuration's owner.</p>"

        }
        },
        "ConsumedLicenseSummaryList": {
            "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
```

"traits": {
"smithy.api#documentation": " Summaries for licenses consumed by various resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for managed resources. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {

"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
}
},
"traits": {
"smithy.api#documentation": " A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
"type": "structure",
"members": {
"ResourceArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of server resource. "
}
},

"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Time when the license configuration was associated with the resource. "
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an association with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
}
},
"com.amazonaws.licensemanager#LicenseConfigurationStatus": {
"type": "enum",
"members":
{
"AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISABLED"
}
}

```
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationUsage": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceStatus": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Status of the resource.</p>"
                }
            },
            "ResourceOwnerId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            },
            "AssociationTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time when the license configuration was initially associated with
the resource.</p>"
                }
            },

    "ConsumedLicenses": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about the usage of a resource associated with a license
configuration.</p>"
```

```
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurations": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConfiguration"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionContext": {

  "type": "structure",
        "members": {
            "UsageOperation": {
                "target": "com.amazonaws.licensemanager#UsageOperation",
                "traits": {
                    "smithy.api#documentation": "<p>The Usage operation value that corresponds to the license type you
are converting your resource from.  For more information about which platforms correspond to which usage
operation values see <a href=\"https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/billing-info-
fields.html#billing-info\">Sample data: usage operation by platform\n      </a>\n         </p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTask": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {

      "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the license type conversion task.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource associated
with the license type\n         conversion task.</p>"
                }
```

```
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license type this conversion task converted
from.</p>"
                }
            },
            "DestinationLicenseContext": {
                "target":
 "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
                "traits": {
                    "smithy.api#documentation": "<p>The status of the conversion task.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
                }
            },
            "StartTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation":
 "<p>The time the conversion task was started at.</p>"
                }
            },
            "LicenseConversionTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
                }
            },
            "EndTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
                }
            }
```

```
        },
        "traits": {
            "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTaskId": {
        "type": "string",
        "traits": {

       "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
        "type": "enum",
        "members": {
            "IN_PROGRESS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "IN_PROGRESS"
                }
            },
            "SUCCEEDED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "SUCCEEDED"
                }
            },
            "FAILED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTasks":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTask"
        }
    },
    "com.amazonaws.licensemanager#LicenseCountingType": {
        "type": "enum",
```

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    "members": {
      "VCPU": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "vCPU"
        }
      },
      "INSTANCE": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "Instance"
        }
      },
      "CORE": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "Core"
        }
      },
      "SOCKET": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "Socket"
        }
      }
    }
  },
  "com.amazonaws.licensemanager#LicenseDeletionStatus": {
    "type": "enum",
    "members": {
      "PENDING_DELETE": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "PENDING_DELETE"
        }
      },
      "DELETED": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "DELETED"
        }
      }
    }
  },
  "com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#License"
```

```
        }
    },
    "com.amazonaws.licensemanager#LicenseOperationFailure": {

        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Resource type.</p>"
                }
            },
            "ErrorMessage": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Error message.</p>"
                }
            },
            "FailureTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {

    "smithy.api#documentation": "<p>Failure time.</p>"
                }
            },
            "OperationName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the operation.</p>"
                }
            },
            "ResourceOwnerId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the
resource.</p>"
                }
            },
            "OperationRequestedBy": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The requester is \"License Manager Automated Discovery\".</p>"
```

```
            }
          },
          "MetadataList": {

            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
              "smithy.api#documentation": "<p>Reserved.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Describes the failure of a license operation.</p>"
        }
      },
      "com.amazonaws.licensemanager#LicenseOperationFailureList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#LicenseOperationFailure"
        }
      },
      "com.amazonaws.licensemanager#LicenseSpecification": {
        "type": "structure",
        "members": {
          "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

             "smithy.api#required": {}
            }
          },
          "AmiAssociationScope": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Details for associating a license configuration with a resource.</p>"
        }
      },
      "com.amazonaws.licensemanager#LicenseSpecifications": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#LicenseSpecification"
```

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    }
},
"com.amazonaws.licensemanager#LicenseStatus": {
    "type": "enum",
    "members": {
        "AVAILABLE": {
            "target": "smithy.api#Unit",

        "traits": {
                "smithy.api#enumValue": "AVAILABLE"
            }
        },
        "PENDING_AVAILABLE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_AVAILABLE"
            }
        },
        "DEACTIVATED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DEACTIVATED"
            }
        },
        "SUSPENDED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SUSPENDED"
            }
        },
        "EXPIRED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EXPIRED"
            }
        },

      "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
```

```
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseUsage": {
        "type": "structure",
        "members": {
            "EntitlementUsages": {
                "target": "com.amazonaws.licensemanager#EntitlementUsageList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlement usages.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"

        }
    },
    "com.amazonaws.licensemanager#LicenseUsageException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "LicenseUsageFailure",
                "httpResponseCode": 412
            },
            "smithy.api#documentation": "<p>You do not have enough licenses available to support a new resource
launch.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 412
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
        },
        "output": {

    "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
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            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the resource associations for the
 specified license configuration.</p>\n        <p>Resource associations need not consume licenses from a license
configuration. \n        For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules).</p>"
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results
 to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
```

"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationAssociations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license configuration. "
}
},
"NextToken": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{

"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants distributed for the specified license. "
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
"type": "structure",
"members": {
"GrantArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranteePrincipalARN</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n
\n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},

"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",

"traits": {
"smithy.api#documentation": " Distributed grant details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{

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            "target": "com.amazonaws.licensemanager#ServerInternalException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
        }
      },
      "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
        "type": "structure",
        "members": {
          "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
              "smithy.api#required": {}
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
        "type": "structure",
        "members": {
          "LicenseOperationFailureList": {
            "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
            "traits": {
              "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
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            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseConfigurations": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
        },

    "output": {
          "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists the license configurations
for your account.</p>"
        }
      },
      "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
          "LicenseConfigurationArns": {
            "target": "com.amazonaws.licensemanager#StringList",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
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configurations. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next
set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical
operators\n are supported: \n \n \n \n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n
\n <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>. \n
\n \n \n <code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
"type": "structure",
"members": {
"LicenseConfigurations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurations",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",

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      "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
    "type": "structure",
    "members": {
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
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"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " \n Filters to scope the results. Valid filters are <code>ResourceArns</code> and <code>Status</code>.\n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
"type": "structure",
"members": {
"LicenseConversionTasks": {
"target": "com.amazonaws.licensemanager#LicenseConversionTasks",
"traits": {
"smithy.api#documentation": " Information about the license configuration tasks for your account. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the report generators for your account. "
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported:
\n \n \n \n <code>LicenseConfigurationArn</code>\n
\n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}

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            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits":
 {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
        "type": "structure",
        "members": {
            "ReportGenerators": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorList",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }

        }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Describes the license configurations for the specified resource. "
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a resource that has an associated license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {

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        "LicenseSpecifications": {
            "target": "com.amazonaws.licensemanager#LicenseSpecifications",
            "traits": {
                "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
            }
        },
        "NextToken": {
             "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
```

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        "members": {
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
              "smithy.api#required": {}
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
        "type": "structure",
        "members": {
          "Licenses": {
            "target": "com.amazonaws.licensemanager#LicenseList",
            "traits": {
              "smithy.api#documentation": "<p>License details.</p>"
            }
          },

"NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenses": {
        "type": "operation",
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"input": {
"target": "com.amazonaws.licensemanager#ListLicensesRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicensesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the licenses for your account. "
}
},
"com.amazonaws.licensemanager#ListLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>Beneficiary</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>Status</code>\n \n \n "

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            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token
for the next set of results.</p>"
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicensesResponse": {
        "type": "structure",
        "members": {
          "Licenses": {
            "target": "com.amazonaws.licensemanager#LicenseList",
            "traits": {
              "smithy.api#documentation": "<p>License details.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {

  "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListReceivedGrants": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
```

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        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists grants that are received. Received grants are grants created while specifying the\n        recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
```

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            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target":
 "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the received license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
    <ul>\n        <li>\n        <p>\n        <code>ParentArn</code>\n        </p>\n        </li>\n
<li>\n        <p>\n        <code>GranteePrincipalArn</code>\n        </p>\n        </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
```

```
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
{
        "type": "structure",
        "members": {
            "Grants": {
                "target": "com.amazonaws.licensemanager#GrantList",
                "traits": {
                    "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
        "type": "structure",
        "members": {
            "GrantArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                 "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>LicenseIssuerName</code>\n                </p>\n
</li>\n            <li>\n                <p>\n                <code>LicenseArn</code>\n                </p>\n            </li>\n
<li>\n                <p>\n                <code>GrantStatus</code>\n                </p>\n            </li>\n            <li>\n
<p>\n
        <code>GranterAccountId</code>\n                </p>\n            </li>\n        </ul>"
                }
            },
```

```
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
    "type": "structure",
    "members": {
        "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
             "traits": {
                "smithy.api#documentation": "<p>Received grant details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists received licenses.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
```

```
            },
            {

        "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                    <code>Beneficiary</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                    <code>ProductSKU</code>\n
            </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#GrantedLicenseList",
```

"traits": {
"smithy.api#documentation": " Lists the licenses the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>IssuerName</code>\n \n \n \n \n <code>Beneficiary</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}

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    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
    "type": "structure",
    "members": {
        "Licenses": {
            "target": "com.amazonaws.licensemanager#GrantedLicenseList",
            "traits": {
                "smithy.api#documentation": "<p>Received license details.</p>"
            }
        },

        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListResourceInventory": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FailedDependencyException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
        },
        {
```

"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists resources managed using Systems Manager inventory. "
}
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#InventoryFilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>account_id</code> - The ID of the Amazon Web Services account that owns the resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n
\n \n \n <code>application_name</code> - The name of the application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n
\n \n \n <code>license_included</code> - The type of license included. \n
Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
\n <code>platform</code> - The platform of the resource.\n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n \n \n \n
<code>resource_id</code> - The ID of the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n
<code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account). \n \n "

```
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListResourceInventoryResponse": {
        "type": "structure",
        "members": {
            "ResourceInventoryList": {
                "target": "com.amazonaws.licensemanager#ResourceInventoryList",
                "traits": {
                    "smithy.api#documentation": "<p>Information
about the resources.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
             },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
```

"errors":
[
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists your tokens. "
}
},
"com.amazonaws.licensemanager#ListTokensRequest": {
"type": "structure",
"members": {
"TokenIds": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " Token IDs. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filter is supported: \n
\n \n \n <code>LicenseArns</code>\n \n \n
"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",

```
            "traits": {
                "smithy.api#documentation":
"<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListTokensResponse": {
    "type": "structure",
    "members": {
        "Tokens": {
            "target": "com.amazonaws.licensemanager#TokenList",
            "traits": {
                "smithy.api#documentation": "<p>Received token details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying license\n        consumption details by resource at a selected point in time. Use this action to audit the\n        current license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>resourceArn</code> - The ARN of the license configuration resource.\n                Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n                <p>\n                <code>resourceType</code> - The resource type
```

(<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
"type": "structure",
"members": {

"LicenseConfigurationUsageList": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Location": {
"type": "string"
},
"com.amazonaws.licensemanager#Long": {
"type": "long"
},
"com.amazonaws.licensemanager#ManagedResourceSummary": {
"type": "structure",
"members": {
"ResourceType":
{
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of resource associated with a license. "
}

```
        },
        "AssociationCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
    }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
    }
},
"com.amazonaws.licensemanager#MaxSize100": {

"type": "integer",
    "traits": {
        "smithy.api#range": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " The key name. "
}
},

"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The value. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes key/value pairs. "
}
},
"com.amazonaws.licensemanager#MetadataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Metadata"
}
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n

```
</li>\n <li>\n <p>As a grantor, you can optionally specify an\n
<code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your
organization.</p>\n </li>\n <li>\n <p>As a grantee, if the grantor creating the distributed
grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one
when you\n are activating the grant.</p>\n </li>\n </ul>\n <dl>\n
<dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n <p>Use this value to activate a grant
without replacing any member accounts\n active grants for the same product.</p>\n </dd>\n
<dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n <p>Use this value to activate a
grant and disable other active grants in any\n member accounts
 for the same product. This action will also replace their\n previously activated grants with this activated
grant.</p>\n </dd>\n </dl>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The options you can specify when you create a new version of a grant,
such as activation\n override behavior. For more information, see <a
href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in
License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
      },
      "com.amazonaws.licensemanager#OrganizationConfiguration": {
        "type": "structure",
        "members": {
          "EnableIntegration": {
            "target": "com.amazonaws.licensemanager#Boolean",
            "traits": {
              "smithy.api#default": false,
              "smithy.api#documentation":
 "<p>Enables Organizations integration.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Configuration information for Organizations.</p>"
        }
      },
      "com.amazonaws.licensemanager#PrincipalArnList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#Arn"
        },
        "traits": {
          "smithy.api#length": {
            "min": 1,
            "max": 1
          }
```

}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Resource type. The possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a <code>ProductInformationFilterComparator</code> which is a logical operator, a <code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. \n The following filters and are supported when the resource type \n is <code>SSM_MANAGED</code>: \n \n \n \n <code>Application Name</code> - The name of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Publisher</code> - The publisher of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n \n \n \n \n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n \n \n <code>License Included</code> - The type of license included.\n Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are: <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n The following filters and logical operators are supported when the resource type\n is <code>RDS</code>: \n \n \n \n <code>Engine Edition</code> - The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>. \n \n \n \n <code>License Pack</code> - The license

pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n
<code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n
\n ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information for a license configuration. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
"type": "structure",
"members": {
"ProductInformationFilterName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Filter name. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterValue": {
"target": "com.amazonaws.licensemanager#StringList",

"traits": {
"smithy.api#documentation": " Filter value. "
}
},
"ProductInformationFilterComparator": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Logical operator. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information filters. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ProductInformationFilter"
}
},
"com.amazonaws.licensemanager#ProductInformationList": {

"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ProductInformation"
}
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
"type": "structure",
"members": {
"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the provisional configuration, in minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "RateLimitExceeded",
"httpResponseCode": 429
},
"smithy.api#documentation": " Too many requests have been submitted. Try again after a brief wait. ",
"smithy.api#error": "client",
"smithy.api#httpError": 429
}
},
"com.amazonaws.licensemanager#ReceivedMetadata": {
"type": "structure",
"members": {
"ReceivedStatus": {
"target": "com.amazonaws.licensemanager#ReceivedStatus",
"traits": {
"smithy.api#documentation": " Received status. "
}
},
"ReceivedStatusReason": {

"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Received
status reason. "
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations. "
}
}
},
"traits": {
"smithy.api#documentation": " Metadata associated with received licenses and grants. "
}
},
"com.amazonaws.licensemanager#ReceivedStatus": {
"type": "enum",
"members": {
"PENDING_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_WORKFLOW"
}
},
"PENDING_ACCEPT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"PENDING_ACCEPT"
}
},
"REJECTED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REJECTED"
}
},
"ACTIVE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ACTIVE"
}
},
"FAILED_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {

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            "smithy.api#enumValue": "FAILED_WORKFLOW"
          }
        },
        "DELETED": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "DELETED"
          }
        },
        "DISABLED": {
          "target": "smithy.api#Unit",
           "traits": {
            "smithy.api#enumValue": "DISABLED"
          }
        },
        "WORKFLOW_COMPLETED": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "WORKFLOW_COMPLETED"
          }
        }
      }
    },
    "com.amazonaws.licensemanager#RedirectException": {
      "type": "structure",
      "members": {
        "Location": {
          "target": "com.amazonaws.licensemanager#Location",
          "traits": {
            "smithy.api#httpHeader": "Location"
          }
        },
        "Message": {
          "target": "com.amazonaws.licensemanager#Message"
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
         "smithy.api#error": "client",
        "smithy.api#httpError": 308
      }
    },
    "com.amazonaws.licensemanager#RejectGrant": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#RejectGrantRequest"
      },
      "output": {
```

"target": "com.amazonaws.licensemanager#RejectGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Rejects the specified grant. "
}
},
"com.amazonaws.licensemanager#RejectGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}

}
},
"com.amazonaws.licensemanager#RejectGrantResponse": {
"type": "structure",

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        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
              "smithy.api#documentation": "<p>Grant status.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Grant version.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#RenewType":
{
        "type": "enum",
        "members": {
          "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "None"
            }
          },
          "WEEKLY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Weekly"
            }
          },
          "MONTHLY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Monthly"
            }
          }
        }
      },
```

"com.amazonaws.licensemanager#ReportContext": {
"type": "structure",
"members": {
"licenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "
}
},
"period": {
"target": "com.amazonaws.licensemanager#ReportFrequencyType",

"traits": {
"smithy.api#documentation": " Time period between each report. The period can be daily, weekly, or monthly. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
"type": "enum",
"members": {
"DAY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DAY"
}

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            },
            "WEEK": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WEEK"
                }
            },
            "MONTH": {
                "target": "smithy.api#Unit",
                "traits":
{
                    "smithy.api#enumValue": "MONTH"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#ReportGenerator": {
        "type": "structure",
        "members": {
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>"
                }
            },
            "ReportType": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports that are generated.</p>"
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
                    "smithy.api#documentation": "<p>License
configuration type for this generator.</p>"
                }
            },
            "ReportFrequency": {
                "target": "com.amazonaws.licensemanager#ReportFrequency",
                "traits": {
                    "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
                }
            },
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>"
```

```
            }
        },
        "LastRunStatus": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Status of the last report generation attempt.</p>"
            }
        },
        "LastRunFailureReason":
 {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
            }
        },
        "LastReportGenerationTime": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
            }
        },
        "ReportCreatorAccount": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report
generator.</p>"
            }
        },
        "Description": {
            "target": "com.amazonaws.licensemanager#String",

      "traits": {
                "smithy.api#documentation": "<p>Description of the report generator.</p>"
            }
        },
        "S3Location": {
            "target": "com.amazonaws.licensemanager#S3Location",
            "traits": {
                "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
            }
        },
        "CreateTime": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Time the report was created.</p>"
            }
        },
```

```
        "Tags": {
            "target": "com.amazonaws.licensemanager#TagList",
            "traits": {
                "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
            }

}
    },
    "traits": {
        "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
    }
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ReportGenerator"
    }
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#ReportType": {
    "type": "enum",
    "members": {
        "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
            }

},
        "LICENSE_CONFIGURATION_USAGE_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "LicenseConfigurationUsageReport"
            }
        }
    }
},
"com.amazonaws.licensemanager#ReportTypeList": {
    "type": "list",
    "member": {
```

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            "target": "com.amazonaws.licensemanager#ReportType"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventory": {
        "type": "structure",
        "members": {
            "ResourceId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "Platform": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform of the resource.</p>"
                }
            },
            "PlatformVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
                }
            },
            "ResourceOwningAccountId":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a resource.</p>"
        }
```

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},
"com.amazonaws.licensemanager#ResourceInventoryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ResourceInventory"
    }
},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "ResourceLimitExceeded",

         "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
     "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
```

"smithy.api#enumValue": "EC2_INSTANCE"
}
},
"EC2_HOST": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_HOST"
}
},
"EC2_AMI": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_AMI"
}
},
"RDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "RDS"
}
},
"SYSTEMS_MANAGER_MANAGED_INSTANCE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
}
}
}
},
"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "

```
        }
    },
    "com.amazonaws.licensemanager#ServerInternalException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InternalError",
                "httpResponseCode": 500
            },
            "smithy.api#documentation": "<p>The server experienced an internal error. Try again.</p>",
            "smithy.api#error": "server",
            "smithy.api#httpError": 500
        }
    },
    "com.amazonaws.licensemanager#SignedToken": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 4096
            }
        }
    },
    "com.amazonaws.licensemanager#StatusReasonMessage": {
        "type": "string",
        "traits":
{
            "smithy.api#length": {
                "min": 0,
                "max": 400
            },
            "smithy.api#pattern": "^[\\s\\S]+$"
        }
    },
    "com.amazonaws.licensemanager#String": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#StringList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#Tag": {
```

"type": "structure",
"members": {
"Key": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Tag key. "
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation":
" Tag value. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about a tag for a license configuration. "
}
},
"com.amazonaws.licensemanager#TagKeyList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#String"
}
},
"com.amazonaws.licensemanager#TagList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Tag"
}
},
"com.amazonaws.licensemanager#TagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#TagResourceResponse"
},
"errors": [
{
"target":
"com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},

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            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>One or more tags.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
        "members": {
```

"TokenId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token ID. "
}
},
"TokenType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Type of token generated. The supported value is <code>REFRESH_TOKEN</code>. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"ExpirationTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Token expiration time, in ISO8601-UTC format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#TokenData"
}
},
"com.amazonaws.licensemanager#TokenString": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 4096
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#TokenType": {
"type": "enum",
"members": {
"REFRESH_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REFRESH_TOKEN"
}
}
}
},
"com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The digital signature method is unsupported. Try your request again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#UntagResource": {
"type": "operation",

"input": {
"target": "com.amazonaws.licensemanager#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Removes the specified tags from the specified license configuration. "
}
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanager#TagKeyList",
"traits": {
"smithy.api#documentation": " Keys identifying the tags to remove. ",
"smithy.api#required": {}
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Modifies the attributes of an existing license configuration. "
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"LicenseConfigurationStatus": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
"traits": {
"smithy.api#documentation": " New status of the license configuration. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " New license rule. The only rule that you can add after you create a license\n configuration is licenseAffinityToHost. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",

"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

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            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to update.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types are supported:</p>\n        <ul>\n            <li>\n                <p>License configuration report - Reports the number and details of consumed licenses for a license configuration.</p>\n            </li>\n            <li>\n                <p>Resource report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n            </li>\n        </ul>",
                    "smithy.api#required": {}
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
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"smithy.api#documentation": " The report context. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [

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            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },

            {
                "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
            },
            {
                "target": "com.amazonaws.licensemanager#LicenseUsageException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified
Amazon Web Services resource.</p>\n        <p>You can update the license specifications of AMIs, instances, and
hosts.\n        You cannot update the license specifications for launch templates and CloudFormation templates, \n
 as they send license configurations to the operation that creates the resource.</p>"
        }
    },

    "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services
resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "AddLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
                }
            },
```

"RemoveLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation":
" ARNs of the license configurations to remove. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Updates License Manager settings for the current Region. "
}
},

"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
Manager information is stored. "
}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Enables integration with Organizations for cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Activates cross-account discovery. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UsageOperation": {
"type": "string",
"traits": {
"smithy.api#length": {

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                "min": 0,
                "max": 50
            }
        }
    },
    "com.amazonaws.licensemanager#ValidationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

     "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    }
  }
}
```


1.6852 aws-sdk-go-v2-credentials 1.17.27

1.6852.1 Available under license :


```
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
       uses: actions/checkout@v2
       with:
         path: new-ref
```

```
        fetch-depth: 0
    - name: Get Diff
      run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
    - name: Get Target Files
      run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
    - name: Checkout scancode
      uses: actions/checkout@v2
      with:
        repository: nexB/scancode-toolkit
        path: scancode-toolkit
        fetch-depth: 1
    - name: Set up Python ${{ matrix.python-version }}
       uses: actions/setup-python@v2
      with:
        python-version: ${{ matrix.python-version }}
    # ScanCode
    - name: Self-configure scancode
      working-directory: ./scancode-toolkit
      run: ./scancode --help
    - name: Run Scan code on target
      run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
    - name: Run Scan code on pr ref
      run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
CreateLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
```

GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
ListReceivedLicenses
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper

```
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
```

```
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
```

```
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
```

```
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
```

```
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
```

```
//
// This member is required.
Beneficiary *string

// Unique, case-sensitive identifier that you provide to ensure the idempotency of
// the request.
//
//
This member is required.
ClientToken *string

// Configuration for consumption of the license. Choose a provisional
// configuration for workloads running with continuous connectivity. Choose a
// borrow configuration for workloads with offline usage.
//
// This member is required.
ConsumptionConfiguration *types.ConsumptionConfiguration

// License entitlements.
//
// This member is required.
Entitlements []types.Entitlement

// Home Region for the license.
//
// This member is required.
HomeRegion *string

// License issuer.
//
// This member is required.
Issuer *types.Issuer

// License name.
//
// This member is required.
LicenseName *string

// Product name.
//
// This member is required.
ProductName *string

// Product SKU.
//
// This member is required.
ProductSKU *string
```

```
 // Date and time range during which the license is valid, in ISO8601-UTC format.
 //
 // This member is required.
 Validity *types.DatetimeRange

 // Information about
 the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if
 err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
```

```
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return
err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
```

```
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName:
 "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }
```

```
 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
```

```
 return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil
{
 return err
}
```

```
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
CheckoutLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
```

OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
DisassociateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step

ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckoutBorrowLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody

```
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
```

```
  - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
```

```
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err
= smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
```

```
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
AssociateLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
```

```
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
```

```
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
```

```
 }
 if err = addClientRequestID(stack); err
 != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpGetLicenseValidationMiddleware(stack);
 err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
```

```
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
```

```
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription
```

```
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
```

```
 return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
```

```
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
ListLicenses
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
AWS SDK for Go
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{
  "smithy": "2.0",
  "shapes": {
      "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
```

"type": "integer"
},
"com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
"type": "long"
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions \n\t\t\tregistered to your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/DeregisterSubscriptionProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the subscription provider resource to deregister. ",
"smithy.api#required": {}

```
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
        "type": "structure",
        "members": {},
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
        "type": "structure",
        "members": {
          "Name": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The type of name to filter by.</p>"
             }
          },
          "Values": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
            "traits": {
              "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
            }
          },
          "Operator": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
            "traits": {
              "smithy.api#documentation": "<p>An operator for filtering results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe
operation.\n      Filters can be used to match a set of resources by specific criteria.</p>"
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
        "type":
 "list",
        "member": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
        }
      },
```

"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
},
"output": {
"target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Get details for a Bring Your Own License (BYOL) subscription that's
registered to your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetRegisteredSubscriptionProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation":
" The Amazon Resource Name (ARN) of the BYOL registration resource to get details for. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) for the BYOL registration
resource specified in the request.</p>"
                }
            },
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

         "traits": {
                    "smithy.api#documentation": "<p>The subscription provider for the BYOL registration resource
specified \n\t\t\tin the request.</p>"
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the third-party access
secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request.</p>"
                }
            },
            "SubscriptionProviderStatus": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
                "traits": {
                    "smithy.api#documentation": "<p>The status of the Linux subscription provider access token from the
last \n\t\t\tsuccessful subscription data request.</p>"
                 }
            },
            "SubscriptionProviderStatusMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The detailed message from your subscription provider token
status.</p>"
                }
            },
            "LastSuccessfulDataRetrievalTime": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The timestamp from the last time License Manager retrieved
subscription details \n\t\t\tfrom your registered third-party Linux subscription provider.</p>"
                }
            }
```

```
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
        "type": "operation",
        "input": {
            "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the Linux subscriptions service settings for your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/GetServiceSettings"

         },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
        "type": "structure",
        "members": {}
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
                    "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
                }
```

```
            },
            "LinuxSubscriptionsDiscoverySettings": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
                "traits": {
                    "smithy.api#documentation": "<p>Lists
 the settings defined for Linux subscriptions discovery. The settings include if\n      Organizations integration has
been enabled, and which Regions data will be aggregated from.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
                "traits": {
                    "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
                }
            },
            "HomeRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                 "traits": {
                    "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
        "type": "structure",
        "members": {
            "AmiId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
                }
            },
            "InstanceID": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
                }
            },
            "InstanceType": {
```

"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The instance type of the resource. "
}
},
"AccountID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The account ID which owns the instance. "
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the instance. "
}
},
"Region": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},
"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}

```
            },
            "SubscriptionName": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the license subscription that the instance uses.</p>"
                }
            },
            "OsVersion": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The operating system software version that runs on your
instance.</p>"
                }
            },
            "SubscriptionProviderCreateTime": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The timestamp when you registered
 the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses.</p>"
                }
            },
            "SubscriptionProviderUpdateTime": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The timestamp from the last time that the instance synced with the
registered \n\t\t\tthird-party Linux subscription provider.</p>"
                }
            },
            "DualSubscription": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates that you have two different license subscriptions for
\n\t\t\tthe same software on your instance.</p>"
                }
            },
            "RegisteredWithSubscriptionProvider": {
                "target": "smithy.api#String",
                "traits": {

      "smithy.api#documentation": "<p>Indicates that your instance uses a BYOL license subscription from \n\t\t\ta
third-party Linux subscription provider that you've registered with License Manager.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details discovered information about a running instance using Linux
subscriptions.</p>"
        }
```

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation":
"<p>An exception occurred with the service.</p>",
            "smithy.api#error": "server"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
        "type": "service",
        "version": "2018-05-10",
        "operations": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
             },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
            },
```

```
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
            }
        ],
        "traits": {
            "aws.api#service": {
                "sdkId": "License Manager Linux Subscriptions",
                 "arnNamespace": "license-manager-linux-subscriptions",
                "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
            },
            "aws.auth#sigv4": {
                "name": "license-manager-linux-subscriptions"
            },
            "aws.protocols#restJson1": {},
            "smithy.api#cors": {
                "additionalAllowedHeaders": [
                    "*",
                    "content-type",
                    "x-amz-content-sha256",
                    "x-amz-user-agent",
                    "x-amzn-platform-id",
                    "x-amzn-trace-id"
                ],
                "additionalExposedHeaders": [
                    "x-amzn-errortype",
                    "x-amzn-requestid",
                    "x-amzn-trace-id"
                ]
            },
            "smithy.api#documentation": "<p>With License Manager,
you can discover and track your commercial Linux subscriptions on running\n      Amazon EC2 instances.</p>",
            "smithy.api#title": "AWS License Manager Linux Subscriptions",
            "smithy.rules#endpointRuleSet": {
                "version": "1.0",
                "parameters": {
                    "Region": {
                        "builtIn": "AWS::Region",
                        "required": false,
                        "documentation": "The AWS region used to dispatch the request.",
                        "type": "String"
                    },
                    "UseDualStack": {
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"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
},
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"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
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}
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{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"
},
true
]
}

```
],
                "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                "type": "error"
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                                    true
                                ]

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                        "type": "error"
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                                "ref": "Endpoint"
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                "argv": [
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                        "argv": [
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                            "ref": "UseDualStack"
                          },
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                          "fn": "getAttr",
                          "argv": [
                            {
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},
                            "supportsFIPS"
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                        }
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                    {
                      "fn": "booleanEquals",
                      "argv": [
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                        {
                          "fn": "getAttr",
                          "argv": [

                           {
                              "ref": "PartitionResult"
                            },
                            "supportsDualStack"
                          ]
                        }
                      ]
                    }
                  ],
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                    {
                      "conditions": [],

"rules": [
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                          "conditions": [],
                          "endpoint": {
                            "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                            "properties": {},
                            "headers": {}
                          },
                          "type": "endpoint"
                        }
```

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            "conditions": [
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                                "conditions": [
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                                        "argv": [
                                            {
                                                "fn": "getAttr",
                                                "argv": [
                                                    {
                                                        "ref": "PartitionResult"
                                                    },
                                                    "supportsFIPS"
                                                ]
                                            },
                                            true
```

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                            "conditions": [],
                            "rules": [
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    "properties": {},
                                        "headers": {}
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                                    "type": "endpoint"
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                            "type": "tree"
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                    "type": "tree"
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                {
                    "conditions": [],
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but this partition does not support FIPS",
                    "type": "error"
                }
            ],
            "type": "tree"
        },
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                    "fn": "booleanEquals",
                    "argv": [
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                            "ref": "UseDualStack"
                        },
                        true

    ]
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            "rules": [
                {
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"conditions": [
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"argv": [
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{
"fn": "getAttr",
"argv": [
{

"ref": "PartitionResult"
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]
}
]
}
],
"rules": [
{
"conditions": [],
"rules": [

{
"conditions": [],
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"headers": {}
},
"type": "endpoint"
}
],
"type": "tree"

}
],
"type": "tree"
},
{
"conditions": [],
"error": "DualStack is enabled but this partition does not support DualStack",
"type": "error"
}
],
"type": "tree"
},

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                            "headers": {}
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                    }
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                  "type": "tree"
                }
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              "type": "error"
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          "type": "tree"
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    "smithy.rules#endpointTests": {
      "testCases": [
        {
          "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"

        }
          },
          "params": {
            "Region": "us-east-1",
            "UseFIPS": true,
            "UseDualStack": true
          }
        },
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{
"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
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"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
}
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
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"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
}

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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}

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            },
            "params": {
                "Region": "cn-north-1",
                "UseFIPS": true,
                "UseDualStack": true
            }
        },
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
                }
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            "params": {
                "Region": "cn-north-1",
                "UseFIPS": true,
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            "expect": {
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                    "url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
                }
             },
            "params": {
                "Region": "cn-north-1",
                "UseFIPS": false,
                "UseDualStack": true
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            "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
                }
            },
            "params": {
                "Region": "cn-north-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
}
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
}

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"params": {
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"UseDualStack": false
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"expect": {
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"url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
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"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
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"params": {
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"UseDualStack": false
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"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {

"Region": "us-iso-east-1",
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"UseDualStack": true
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
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"params": {
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"UseDualStack": false
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
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"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"

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            }
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        "params": {
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false,
            "UseDualStack": false
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            "UseDualStack": true
        }
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    {
        "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
             }
        },
        "params": {
            "Region": "us-isob-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
        "expect": {
            "error": "DualStack is enabled but this partition does not support DualStack"
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        "params": {
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            "UseFIPS": false,
            "UseDualStack": true
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       "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
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"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
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{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
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{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
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"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
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"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
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"params": {
"Region": "us-east-1",
"UseFIPS": true,

"UseDualStack": false,
"Endpoint": "https://example.com"
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"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {

"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
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{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled LinuxSubscriptionsDiscovery"

},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled LinuxSubscriptionsDiscovery"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
"type": "structure",

"members": {
"SourceRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Regions in which to discover data for Linux subscriptions. ",
"smithy.api#required": {}
}
},
"OrganizationIntegration": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
"traits": {
"smithy.api#documentation": " Details if you have enabled resource discovery across your accounts in Organizations. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Lists the settings defined for discovering Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",

"uri": "/subscription/ListLinuxSubscriptionInstances"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Instances"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":
{
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results by your specified criteria. \n \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the \n \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n \t<code>Value</code>, such as <code>us-west</code>. \n For each filter, you can specify one of the following values for the <code>Name</code> key \n \tto streamline results: \n \n \n \n <code>AccountID</code>\n \n \n \n \n <code>AmiID</code>\n \n \n \n \n <code>DualSubscription</code>\n \n \n \n \n <code>InstanceID</code>\n \n \n \n \n <code>InstanceType</code>\n \n \n \n \n <code>ProductCode</code>\n \n \n \n \n <code>Region</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>UsageOperation</code>\n \n \n \n For each filter, you can use one of the following <code>Operator</code>
values to \n \t\tdefine the behavior of the filter: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " A token to specify where to
start paginating. This \n\tis the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
"type": "structure",
"members": {
"Instances": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
"traits": {
"smithy.api#documentation": " An array that contains instance objects. "
}
},
"NextToken": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"

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            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the Linux subscriptions that have been discovered. If you have
linked your\n      organization, the returned results will include data aggregated across your accounts in\n
Organizations.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListLinuxSubscriptions"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",

   "items": "Subscriptions"
            }
        }
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    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify. For example, you can filter by the name of\n
 <code>Subscription</code> with an optional operator to see subscriptions that match,\n      partially match, or don't
match a certain subscription's name.</p>\n        <p>The valid names for this filter are:</p>\n        <ul>\n
<li>\n              <p>\n                <code>Subscription</code>\n              </p>\n          </li>\n        </ul>\n
<p>The
 valid Operators for this filter are:</p>\n        <ul>\n          <li>\n              <p>\n
<code>contains</code>\n              </p>\n          </li>\n          <li>\n              <p>\n
<code>equals</code>\n              </p>\n          </li>\n          <li>\n              <p>\n
<code>Notequal</code>\n              </p>\n          </li>\n        </ul>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
                }
            },
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"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis
the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
"type": "structure",
"members": {
"Subscriptions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
"traits": {
"smithy.api#documentation": " An array that contains subscription objects. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
"type": "operation",
"input": {
"target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
},
"output": {
"target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List Bring Your Own License (BYOL) subscription registration resources for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListRegisteredSubscriptionProviders"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "RegisteredSubscriptionProviders"
}
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
"type": "structure",
"members": {
"SubscriptionProviderSources": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
"traits": {
"smithy.api#documentation": " To filter your results, specify which subscription providers to return \n\t\t\tin the list. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. ",
"smithy.api#range": {
"min": 1,
"max": 100
}
}

```
  },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis the
nextToken from a previously truncated response.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
        "type": "structure",
        "members": {
            "RegisteredSubscriptionProviders": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
                "traits": {
                    "smithy.api#documentation": "<p>The list of BYOL registration resources that fit the criteria
\n\t\t\tyou specified in the request.</p>"
                }
            },

            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse"
        },
        "errors": [
            {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List the metadata tags that are assigned to the \n\t\t\tspecified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "GET",
"uri": "/tags/{resourceArn}"
},
"smithy.api#readonly": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource for which to list metadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
"type": "structure",
"members": {
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags for the requested resource. "
}
}
},
"traits": {
"smithy.api#output": {}

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
      "type": "string",
      "traits": {
        "smithy.api#enum": [
          {
            "name": "EQUAL",
            "value": "Equal",
            "documentation": "Equal operator"
          },
          {
            "name": "NOT_EQUAL",
            "value": "NotEqual",
            "documentation": "Not equal operator"
          },
          {
            "name": "CONTAINS",
            "value": "Contains",
            "documentation": "Contains operator"
          }
        ],
        "smithy.api#length": {
          "min": 1,
          "max": 20
        }
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
      "type": "string",
      "traits": {
        "smithy.api#enum": [
          {
            "name": "Enabled",
            "value": "Enabled",
            "documentation": "Enabled OrganizationIntegration"
          },
          {
            "name": "Disabled",
            "value": "Disabled",
            "documentation": "Disabled OrganizationIntegration"
          }
        ]
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
      "type": "list",
```

```
        "member": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
         },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Register the supported third-party subscription provider for your Bring
Your Own License (BYOL) subscription.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/RegisterSubscriptionProvider"

          },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation": "<p>The supported Linux subscription provider to register.</p>",
                    "smithy.api#required": {}
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                "traits": {
```

"smithy.api#documentation": " The Amazon Resource Name (ARN) of the secret where you've stored your subscription provider's access token. For \n\t\t\tRHEL subscriptions managed through the Red Hat Subscription Manager (RHSM), the secret contains \n\t\t\tyour Red Hat Offline token. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to your registered Linux subscription provider \n\t\t\tresource. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " The Linux subscription provider that you registered. "
}
},
"SubscriptionProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " Indicates the status of the registration action for the Linux subscription provider \n\t\t\tthat you requested. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider":

```
{
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
                }
            },
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation": "<p>A supported third-party Linux subscription provider. License
Manager currently supports \n\t\t\tRed Hat subscriptions.</p>"
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                 "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Secrets Manager secret
that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is
the offline token.</p>"
                }
            },
            "SubscriptionProviderStatus": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of your registered Linux subscription provider
access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions,
\n\t\t\tthis is the status of the offline token.</p>"
                }
            },
            "SubscriptionProviderStatusMessage": {
                "target": "smithy.api#String",
                "traits":
{
                    "smithy.api#documentation": "<p>A detailed message that's associated with your BYOL subscription
\n\t\t\tprovider token status.</p>"
                }
            },
            "LastSuccessfulDataRetrievalTime": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The timestamp from the last time that License Manager accessed
third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider.</p>"
                }
            }
```

```
        },
        "traits": {
            "smithy.api#documentation": "<p>A third-party provider for operating system (OS) platform software and
license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider,
License Manager can get subscription data from the registered provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
 {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Unable to find the requested Amazon Web Services resource.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-
\\.]{0,63}:secret:[^/]{1,1023}$"

    }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "InProgress",
                    "value": "InProgress",
                    "documentation": "InProgress status"
                },
                {
                    "name": "Completed",
                    "value": "Completed",
                    "documentation": "Completed status"
                },
```

```
            {
                "name": "Successful",
                "value": "Successful",
                "documentation": "Successful status"
            },
            {
                "name": "Failed",
                "value": "Failed",
                "documentation": "Failed status"
            }
        ]
    }
},

"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String",
        "traits": {
            "smithy.api#length": {
                "min": 1,
                "max": 100
            }
        }
    },
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 100
        },
        "smithy.api#uniqueItems": {}
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
    "type": "map",
    "key": {
        "target": "smithy.api#String"
    },
    "value": {
        "target": "smithy.api#String"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
    "type": "structure",
    "members": {
        "Name":
{
            "target": "smithy.api#String",
```

"traits": {
"smithy.api#documentation": " The name of the subscription. "
}
},
"Type": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS. "
}
},
"InstanceCount": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
"traits": {
"smithy.api#documentation": " The total amount of running instances using this subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " An object which details a discovered Linux subscription. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
"type": "string",
"traits": {
"smithy.api#enum": [

{
"name": "RedHat",
"value": "RedHat",
"documentation": "RedHat subscription provider namespace"
}

```
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "ACTIVE",
                    "value": "ACTIVE",
                    "documentation": "ACTIVE status"
                },
                {
                    "name": "INVALID",
                    "value": "INVALID",

"documentation": "INVALID status"
                },
                {
                    "name": "PENDING",
                    "value": "PENDING",
                    "documentation": "PENDING status"
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
        "type": "list",
        "member": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
        "type": "operation",
        "input": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Add metadata tags to the specified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "PUT",
"uri": "/tags/{resourceArn}"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
"type": "structure",
"members":
{
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to which to add the specified \n\t\t\tmetadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to the Amazon Web Services resource. Tags are \n\t\t\tformatted as key value pairs. ",
"smithy.api#required": {}
}
}
},

```
        "traits": {
            "smithy.api#input": {}
        }

    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
        "value": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation":
"<p>The request was denied due to request throttling.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
```

```
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web
Services resource.</p>",
           "smithy.api#http": {
            "method": "DELETE",
            "uri": "/tags/{resourceArn}"
          },
          "smithy.api#idempotent": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
        "type": "structure",
        "members": {
          "resourceArn": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
            "traits": {
              "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to remove the metadata tags from.</p>",
              "smithy.api#httpLabel": {},
              "smithy.api#required": {}
            }
          },
          "tagKeys": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
            "traits": {

          "smithy.api#documentation": "<p>A list of metadata tag keys to remove from the requested
\n\t\t\tresource.</p>",
              "smithy.api#httpQuery": "tagKeys",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
        "type": "structure",
```

```
    "members": {},
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"

 },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Updates the service settings for Linux subscriptions.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/subscription/UpdateServiceSettings"
        },
        "smithy.api#idempotent": {}
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
    "type": "structure",
    "members": {
         "LinuxSubscriptionsDiscovery": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
            "traits": {
                "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
                "smithy.api#required": {}
            }
        },
        "LinuxSubscriptionsDiscoverySettings": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
            "traits": {
```

"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. ",
"smithy.api#required": {}
}
},
"AllowUpdate": {
"target": "smithy.api#Boolean",
"traits": {
"smithy.api#documentation": " Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}

```
        },
            "HomeRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
            "smithy.api#error": "client"
        }
    }
  }
}
```


```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
```

```
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
```

```
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err !=
nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil
{
 return err
```

```
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
DeleteLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
```

ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
GetLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader

```
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
```

```
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string
```

```
 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
```

```
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return
 err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
```

```
 return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
```

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```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata
```

```
 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if
 err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
```

```
 return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil
 {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
```

OperationName: "CheckInLicense",
}
}

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```
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// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }
```

```
 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
```

```
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack,
options, "ListLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack);
```

```
 err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:
     ServiceID,
  OperationName: "ListLicenses",
 }
}
CheckInLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
```

Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "shapes": {
      "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
          "type": "structure",
          "members": {
              "message": {
                  "target": "smithy.api#String"
              }
          },
          "traits": {
              "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
              "smithy.api#error": "client"
          }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
          "type": "structure",
          "members": {
```

"DirectoryId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The directory ID for an Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation":
" Details about an Active Directory identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Associates the user to an EC2 instance to utilize user-based subscriptions. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see <a

href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n
monthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/AssociateUser"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the
EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The identity provider of the user. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",

```
                "traits": {
                  "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
                  "smithy.api#required": {}
                }
              }
            }
          },
          "com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
            "type": "integer"
          },
          "com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
            "type": "structure",
            "members": {
              "message": {
                "target": "smithy.api#String"
              }
            },
            "traits": {
              "smithy.api#documentation": "<p>The request couldn't be completed because it conflicted with the current
state of the\n      resource.</p>",
              "smithy.api#error": "server"
            }
          },
          "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider":
 {
            "type": "operation",
            "input": {
              "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
            },
            "output": {
              "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
            },
            "errors": [
              {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
              },
              {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
              },
              {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
              },
              {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
              },
              {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deregisters the identity provider from providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/DeregisterIdentityProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
        "type": "structure",
        "members": {
            "IdentityProviderSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
                "traits": {
                    "smithy.api#documentation":
 "<p>Metadata that describes the results of an identity provider operation.</p>",
                    "smithy.api#required": {}
                }
```

```
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/DisassociateUser"
            },
            "smithy.api#idempotent": {}
        }

 },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest": {
        "type": "structure",
```

```
        "members": {
          "Username": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
              "smithy.api#required": {}
            }
          },
          "InstanceId": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
              "smithy.api#required": {}
            }
          },
          "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
              "smithy.api#documentation":
 "<p>An object that specifies details for the identity provider.</p>",
              "smithy.api#required": {}
            }
          },
          "Domain": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The domain name of the user.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
        "type": "structure",
        "members": {
          "InstanceUserSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
            "traits": {
              "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
              "smithy.api#required": {}
            }
          }
        }
      },

 "com.amazonaws.licensemanagerusersubscriptions#Filter": {
        "type": "structure",
        "members": {
```

"Attribute": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of an attribute to use as a filter. "
}
},
"Operation": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of search (For example, eq, geq, leq) "
}
},
"Value": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Value of the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used
to return more specific results from a describe\n operation. Filters can be used to match a set of resources by
specific criteria, such as tags,\n attributes, or IDs. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
"type": "union",
"members": {
"ActiveDirectoryIdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
"traits": {
"smithy.api#documentation": " An object that details an Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation":
" Details about an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
"type": "structure",

"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " An object that details the registered identity providers product related configuration\n settings such as the subnets to provision VPC endpoints. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of an identity provider. ",
"smithy.api#required": {}
}
},
"FailureMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The failure message associated with an identity provider. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
}

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status
 of an EC2 instance resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "Products": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
                    "smithy.api#required": {}
                }
            },
            "LastStatusCheckDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The date of the last status check.</p>"
                }
            },
            "StatusMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
                }

    }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {
        "type": "list",
        "member": {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a user associated with an EC2 instance. ",
"smithy.api#required": {}
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for users of an EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},

"AssociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was associated with an EC2 instance. "
}
},
"DisassociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was disassociated from an EC2 instance. "
}
}

},
"traits": {
"smithy.api#documentation": " Describes users of an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
"type": "service",

"version": "2018-05-10",
"operations": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
},

```
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"

},
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
        }
      ],
      "traits": {
        "aws.api#service": {
          "sdkId": "License Manager User Subscriptions",
          "arnNamespace": "license-manager-user-subscriptions",
          "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
        },
        "aws.auth#sigv4": {
          "name": "license-manager-user-subscriptions"
         },
        "aws.protocols#restJson1": {},
        "smithy.api#cors": {
          "additionalAllowedHeaders": [
            "*",
            "content-type",
            "x-amz-content-sha256",
            "x-amz-user-agent",
            "x-amzn-platform-id",
            "x-amzn-trace-id",
            "content-length",
```

"x-api-key",
"authorization",
"x-amz-date",
"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"

]
},
"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n a per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"

```
            }

    },
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "isSet",
                        "argv": [
                            {
                                "ref": "Endpoint"
                            }
                        ]
                    }
                ],
                "type": "tree",
                "rules": [
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    {
                                        "ref": "UseFIPS"
                                    },

                                true
                                ]
                            }
                        ],
                        "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                        "type": "error"
                    },
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    {
                                        "ref": "UseDualStack"
                                    },
                                    true
                                ]
                            }
                        ],

        "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                        "type": "error"
```

```
            },
            {
              "conditions": [],
              "endpoint": {
                "url": {
                  "ref": "Endpoint"
                },
                "properties": {},
                "headers": {}
              },
              "type": "endpoint"
            }
          ]
        },
        {
          "conditions": [
            {
              "fn": "isSet",
              "argv": [

    {
                  "ref": "Region"
                }
              ]
            }
          ],
          "type": "tree",
          "rules": [
            {
              "conditions": [
                {
                  "fn": "aws.partition",
                  "argv": [
                    {
                      "ref": "Region"
                    }
                  ],
                  "assign": "PartitionResult"
                }
              ],
              "type": "tree",

  "rules": [
                {
                  "conditions": [
                    {
                      "fn": "booleanEquals",
                      "argv": [
```

```
                    {
                        "ref": "UseFIPS"
                    },
                    true
                ]
            },
            {
                "fn": "booleanEquals",
                "argv": [
                    {
                        "ref": "UseDualStack"

                    },
                    true
                ]
            }
        ],
        "type": "tree",
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {
                                "fn": "getAttr",

"argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsFIPS"
                                ]
                            }
                        ]
                    },
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {

"fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
```

"supportsDualStack"
]
}
]
}
],
"type": "tree",
"rules": [
{

"conditions": [],
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
},
{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
]
},
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"
},
true
]
}
],
"type": "tree",

"rules": [
{
"conditions": [
{
"fn": "booleanEquals",

```
                "argv": [
                  true,
                  {
                    "fn": "getAttr",
                    "argv": [
                      {
                        "ref": "PartitionResult"
                      },
                      "supportsFIPS"

                ]
                  }
                ]
              }
            ],
            "type": "tree",
            "rules": [
              {
                "conditions": [],
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
                  "properties": {},
                  "headers": {}

        },
                "type": "endpoint"
              }
            ]
          },
          {
            "conditions": [],
            "error": "FIPS is enabled but this partition does not support FIPS",
            "type": "error"
          }
        ]
      },
      {
        "conditions": [
          {
            "fn": "booleanEquals",
            "argv": [
              {
                "ref": "UseDualStack"
              },
              true
            ]
          }
```

```
                ],
                "type": "tree",
                "rules": [
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    true,
                                    {

                                  "fn": "getAttr",
                                        "argv": [
                                            {
                                                "ref": "PartitionResult"
                                            },
                                            "supportsDualStack"
                                        ]
                                    }
                                ]
                            }
                        ],
                        "type": "tree",
                        "rules": [
                            {

                              "conditions": [],
                                "endpoint": {
                                    "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                    "properties": {},
                                    "headers": {}
                                },
                                "type": "endpoint"
                            }
                        ]
                    },
                    {
                        "conditions": [],
                        "error": "DualStack is enabled but this partition does
 not support DualStack",
                        "type": "error"
                    }
                ]
            },
            {
                "conditions": [],
                "endpoint": {
```

```
                "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
                "properties": {},
                "headers": {}
              },
              "type": "endpoint"
            }
          ]
        }
      ]
    },
    {
      "conditions":
[],
      "error": "Invalid Configuration: Missing Region",
      "type": "error"
    }
  ]
},
"smithy.rules#endpointTests": {
  "testCases": [
    {
      "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
        }
      },
      "params": {
        "Region": "us-east-1",
        "UseFIPS": true,
        "UseDualStack": true
      }
    },
    {
      "documentation":
"For region us-east-1 with FIPS enabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
        }
      },
      "params": {
        "Region": "us-east-1",
        "UseFIPS": true,
        "UseDualStack": false
      }
    },
```

{
"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
}
},

"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with
FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}

```
                },

            "params": {
                    "Region": "cn-north-1",
                    "UseFIPS": true,
                    "UseDualStack": false
                }
            },
            {
                "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
                    }
                },
                "params": {
                    "Region": "cn-north-1",
                    "UseFIPS": false,
                    "UseDualStack": true
                }
            },
            {
                "documentation": "For region cn-north-1
with FIPS disabled and DualStack disabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
                    }
                },
                "params": {
                    "Region": "cn-north-1",
                    "UseFIPS": false,
                    "UseDualStack": false
                }
            },
            {
                "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
                    }
                },

        "params": {
                    "Region": "us-gov-east-1",
                    "UseFIPS": true,
                    "UseDualStack": true
                }
```

```
            },
            {
              "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
                }
              },
              "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": true,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-gov-east-1
with FIPS disabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
                }
              },
              "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": false,
                "UseDualStack": true
              }
            },
            {
              "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
                }
              },

    "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
              },
              "params": {
```

"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect":
{
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack":
true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but

this partition does not support one or both"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}

},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{

"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"

```
                }
            },
            {
                "documentation": "Missing region",
                "expect": {
                    "error": "Invalid Configuration: Missing Region"
                }
            }
        ],
        "version": "1.0"
    }
  }
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
  "type": "operation",
  "input": {
    "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
  },
  "output": {
    "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
  },
  "errors": [
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
     },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
    }
  ],
  "traits": {
    "smithy.api#documentation": "<p>Lists the identity providers for user-based subscriptions.</p>",
    "smithy.api#http": {
      "code": 200,
```

```
            "method": "POST",
            "uri": "/identity-provider/ListIdentityProviders"
          },
          "smithy.api#paginated":
{
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
            "items": "IdentityProviderSummaries"
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
        "type": "structure",
        "members": {
          "MaxResults": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse":
{
        "type": "structure",
        "members": {
          "IdentityProviderSummaries": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
            "traits": {
              "smithy.api#documentation": "<p>Metadata that describes the list identity providers operation.</p>",
              "smithy.api#required": {}
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        }
      },
```

```
"com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/instance/ListInstances"
        },
        "smithy.api#paginated": {
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
            "items": "InstanceSummaries"
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
    "type": "structure",
```

"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
"type": "structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list instances operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"

```
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity
provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/ListProductSubscriptions"
            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "ProductUserSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
        "type": "structure",
        "members": {
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name
```

of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {

"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
"type": "structure",
"members": {
"ProductUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions operation. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "

```
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
          },
          {
            "target":
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
          "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/user/ListUserAssociations"
          },
          "smithy.api#paginated":
{
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
```

"items": "InstanceUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
"type": "structure",
"members": {

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        "InstanceUserSummaries": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
            "traits": {
                "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    }
  },
  "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
    "type": "structure",
    "members": {

    "Username": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
                "smithy.api#required": {}
            }
        },
        "Product": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                "smithy.api#required": {}
            }
        },
        "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
                "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                "smithy.api#required": {}
            }

  },
        "Status": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The status of a product for a user.</p>",
                "smithy.api#required": {}
            }
        },
        "StatusMessage": {
```

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for a product for a user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},
"SubscriptionStartDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The
start date of a subscription. "
}
},
"SubscriptionEndDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The end date of a subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " The summary of the user-based subscription products for a user. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Registers an identity provider for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/RegisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",

"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings such as the\n subnets to provision VPC endpoints. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary":
{
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The resource couldn't be found. ",
"smithy.api#error": "client",
"smithy.api#httpError": 404
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
"type": "string",

"traits": {
"smithy.api#length": {
"min": 5,
"max": 200
},
"smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
"type": "structure",
"members": {

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            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The request failed because a service quota is exceeded.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Settings": {
        "type": "structure",
        "members": {
            "Subnets": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
                "traits": {
                    "smithy.api#documentation":
 "<p>The subnets defined for the registered identity provider.</p>",
                    "smithy.api#length": {
                        "min": 1
                    },
                    "smithy.api#required": {}
                }
            },
            "SecurityGroupId": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
                "traits": {
                    "smithy.api#documentation": "<p>A security group ID that allows inbound TCP port 1688
communication between resources in\n      your VPC and the VPC endpoint for activation servers.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The registered identity providers product related configuration settings
such as the\n      subnets to provision VPC endpoints, and the security group ID that
 is associated with the VPC\n      endpoints. The security group should permit inbound TCP port 1688
communication from resources\n      in the VPC.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
        },
        "errors": [
```

```
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Starts a product subscription for a user with the specified identity
provider.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related costs
will take 48\n        hours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing status)
in Amazon Web Services Billing.
 For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n          monthly
charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/StartProductSubscription"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"

},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Stops a product subscription for a user with the specified identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StopProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required":
{}
}
},
"Product": {
"target": "smithy.api#String",

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            "traits": {
                "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                "smithy.api#required": {}
            }
        },
        "Domain": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The domain name of the user.</p>"
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
    "type": "structure",
    "members": {
        "ProductUserSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
            "traits": {
                "smithy.api#documentation":
"<p>Metadata that describes the start product subscription operation.</p>",
                "smithy.api#required": {}
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#StringList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#Subnet": {
    "type": "string",
    "traits": {
        "smithy.api#pattern": "subnet-[a-z0-9]{8,17}"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#Subnets": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
    "type": "structure",
    "members": {
        "message": {
```

"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request was denied because of request throttling. Retry the request. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates additional product configuration settings for the registered identity\n provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/UpdateIdentityProviderSettings"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",

"traits": {
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"UpdateSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related configuration settings. You can\n update any combination of settings in a single operation such as the: \n \n \n Subnets which you want to add to provision VPC endpoints. \n \n \n Subnets which you want to remove the VPC endpoints from. \n \n \n Security group ID which permits traffic to the VPC endpoints. \n \n ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
"type": "structure",
"members": {
"AddSubnets": {

"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets in which License Manager will create a VPC endpoint for products that\n require connectivity to activation servers. ",
"smithy.api#required": {}
}
},
"RemoveSubnets": {

"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets to remove. ",
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID
that allows inbound TCP port 1688 communication between resources in\n your VPC and the VPC endpoints for activation servers. "
}
}
},
"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related configuration settings such as\n the subnets to provision VPC endpoints. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " A parameter is not valid. ",
"smithy.api#error": "client"
}
}
}
}
{
"smithy": "2.0",
"metadata": {
"suppressions": [
{
"id": "HttpMethodSemantics",
"namespace": "*"
},
{
"id": "HttpResponseCodeSemantics",
"namespace": "*"
},
{
"id": "PaginatedTrait",

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            "namespace": "*"
        },
        {
            "id": "HttpHeaderTrait",
            "namespace": "*"
        },
        {
            "id": "HttpUriConflict",
            "namespace": "*"
        },
        {
            "id": "Service",
            "namespace": "*"
        }
    ]
},
"shapes": {
    "com.amazonaws.licensemanager#AWSLicenseManager": {
        "type": "service",
        "version": "2018-08-01",
        "operations": [
            {
                "target": "com.amazonaws.licensemanager#AcceptGrant"
            },

 {
                "target": "com.amazonaws.licensemanager#CheckInLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CheckoutLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateGrant"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateGrantVersion"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
```

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    },
    {
      "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
     },
    {
      "target": "com.amazonaws.licensemanager#CreateLicenseVersion"
    },
    {
      "target": "com.amazonaws.licensemanager#CreateToken"
    },
    {
      "target": "com.amazonaws.licensemanager#DeleteGrant"
    },
    {
      "target": "com.amazonaws.licensemanager#DeleteLicense"
    },
    {
      "target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
    },
    {
      "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
    },
    {
      "target": "com.amazonaws.licensemanager#DeleteToken"
    },
    {
      "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

  },
    {
      "target": "com.amazonaws.licensemanager#GetAccessToken"
    },
    {
      "target": "com.amazonaws.licensemanager#GetGrant"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicense"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
    },
    {
```

"target": "com.amazonaws.licensemanager#GetLicenseUsage"
},
{
"target": "com.amazonaws.licensemanager#GetServiceSettings"
},
{
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#ListDistributedGrants"
},
{
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
},
{
"target": "com.amazonaws.licensemanager#ListLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
},
{

"target": "com.amazonaws.licensemanager#ListLicenseVersions"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedGrants"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
},
{
"target": "com.amazonaws.licensemanager#ListResourceInventory"
},

{
"target": "com.amazonaws.licensemanager#ListTagsForResource"
},
{
"target": "com.amazonaws.licensemanager#ListTokens"
},
{
"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#RejectGrant"
},
{
"target": "com.amazonaws.licensemanager#TagResource"
},
{
"target": "com.amazonaws.licensemanager#UntagResource"
},
{
"target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
},
{
"target": "com.amazonaws.licensemanager#UpdateServiceSettings"
}
],
"traits": {
"aws.api#service": {
"sdkId": "License Manager",
"arnNamespace": "license-manager",
"cloudFormationName": "LicenseManager",
"cloudTrailEventSource": "licensemanager.amazonaws.com",
"endpointPrefix": "license-manager"
},
"aws.auth#sigv4": {
"name": "license-manager"
},
"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"

```
        },
        "smithy.rules#endpointRuleSet": {
          "version": "1.0",
          "parameters": {
            "Region": {
              "builtIn": "AWS::Region",
              "required": false,
              "documentation": "The AWS region used to dispatch the request.",
              "type": "String"
            },
            "UseDualStack": {
              "builtIn": "AWS::UseDualStack",
              "required": true,
              "default": false,
              "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
              "type": "Boolean"
            },
            "UseFIPS": {
              "builtIn": "AWS::UseFIPS",
              "required": true,
              "default": false,
              "documentation": "When true, send
 this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant
endpoint, dispatching the request will return an error.",
              "type": "Boolean"
            },
            "Endpoint": {
              "builtIn": "SDK::Endpoint",
              "required": false,
              "documentation": "Override the endpoint used to send this request",
              "type": "String"
            }
          },
          "rules": [
            {
              "conditions": [
                {
                  "fn": "isSet",
                  "argv": [
                    {
                      "ref": "Endpoint"
                    }
                  ]

              }
              ],
              "type": "tree",
```

```
            "rules": [
              {
                "conditions": [
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      {
                        "ref": "UseFIPS"
                      },
                      true
                    ]
                  }
                ],
                "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                "type": "error"
              },
              {

"conditions": [
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      {
                        "ref": "UseDualStack"
                      },
                      true
                    ]
                  }
                ],
                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                "type": "error"
              },
              {
                "conditions": [],
                "endpoint": {
                  "url": {
                    "ref": "Endpoint"
                  },
                  "properties": {},
                  "headers": {}
                },
                "type": "endpoint"
              }
            ]
          },
          {
            "conditions": [
              {
```

```
                "fn": "isSet",
                "argv": [
                  {
                    "ref": "Region"
                  }
                ]
              }
            ],
            "type": "tree",
            "rules": [
              {
                "conditions": [
                  {
                    "fn": "aws.partition",
                    "argv": [
                      {
                        "ref": "Region"
                      }
                    ],
                    "assign": "PartitionResult"
                  }
                ],
                "type": "tree",
                "rules": [
                  {
                    "conditions": [
                      {
                        "fn": "booleanEquals",
                        "argv": [
                          {
                            "ref":
"UseFIPS"
                          },
                          true
                        ]
                      },
                      {
                        "fn": "booleanEquals",
                        "argv": [
                          {
                            "ref": "UseDualStack"
                          },
                          true
                        ]
                      }
                    ],
                    "type": "tree",
                    "rules": [
```

```
                    {
                      "conditions": [
                        {
                          "fn": "booleanEquals",
                          "argv": [
                            true,
                            {
                              "fn": "getAttr",
                              "argv": [
                                {
                                  "ref": "PartitionResult"
                                },
                                "supportsFIPS"
                              ]

                    }
                          ]
                        },
                        {
                          "fn": "booleanEquals",
                          "argv": [
                            true,
                            {
                              "fn": "getAttr",
                              "argv": [
                                {
                                  "ref": "PartitionResult"
                                },

  "supportsDualStack"
                              ]
                            }
                          ]
                        }
                      ],
                      "type": "tree",
                      "rules": [
                        {
                          "conditions": [],
                          "endpoint": {
                            "url": "https://license-manager-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                            "properties": {},
                            "headers": {}

                    },
                          "type": "endpoint"
                        }
```

```
                ]
            },
            {
                "conditions": [],
                "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
                "type": "error"
            }
        ]
    },
    {
        "conditions": [
            {
                "fn": "booleanEquals",

        "argv": [
                    {
                        "ref": "UseFIPS"
                    },
                    true
                ]
            }
        ],
        "type": "tree",
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,

{
                            "fn": "getAttr",
                            "argv": [
                                {
                                    "ref": "PartitionResult"
                                },
                                "supportsFIPS"
                            ]
                        }
                    ]
                }
                ],
                "type": "tree",
                "rules": [
```

```
                    {
                        "conditions": [],
                        "endpoint": {
                            "url": "https://license-manager-fips.{Region}.{PartitionResult#dnsSuffix}",
                            "properties": {},
                            "headers": {}
                        },
                        "type": "endpoint"
                    }
                ]
            },
            {
                "conditions": [],
                "error": "FIPS is enabled but this
partition does not support FIPS",
                "type": "error"
            }
        ]
    },
    {
        "conditions": [
            {
                "fn": "booleanEquals",
                "argv": [
                    {
                        "ref": "UseDualStack"
                    },
                    true
                ]
            }
        ],
        "type": "tree",
         "rules": [
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {
                                "fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },

"supportsDualStack"
                                ]
```

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                                    }
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                                "conditions": [],
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manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                    "properties": {},
                                    "headers": {}

                        },
                                "type": "endpoint"
                            }
                        ]
                    },
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                        "conditions": [],
                        "error": "DualStack is enabled but this partition does not support DualStack",
                        "type": "error"
                    }
                ]
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            {
                "conditions": [],
                "endpoint": {
                    "url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
                     "properties": {},
                    "headers": {}
                },
                "type": "endpoint"
            }
        ]
    }
]
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{
    "conditions": [],
    "error": "Invalid Configuration: Missing Region",
    "type": "error"
}
]
},
"smithy.rules#endpointTests": {
    "testCases": [
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{
  "documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
  "expect": {
    "endpoint":
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      "url": "https://license-manager.af-south-1.amazonaws.com"
    }
  },
  "params": {
    "Region": "af-south-1",
    "UseFIPS": false,
    "UseDualStack": false
  }
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  "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
  "expect": {
    "endpoint": {
      "url": "https://license-manager.ap-east-1.amazonaws.com"
    }
  },
  "params": {
    "Region": "ap-east-1",
    "UseFIPS": false,
    "UseDualStack": false
   }
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  "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",
  "expect": {
    "endpoint": {
      "url": "https://license-manager.ap-northeast-1.amazonaws.com"
    }
  },
  "params": {
    "Region": "ap-northeast-1",
    "UseFIPS": false,
    "UseDualStack": false
  }
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  "documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
  "expect": {
    "endpoint": {
      "url": "https://license-manager.ap-northeast-2.amazonaws.com"
     }
  },
  "params": {
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"Region": "ap-northeast-2",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-northeast-3.amazonaws.com"
}
},
"params": {
"Region": "ap-northeast-3",
"UseFIPS": false,
"UseDualStack": false
}

},
{
"documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-south-1.amazonaws.com"
}
},
"params": {
"Region": "ap-south-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-1.amazonaws.com"

}
},
"params": {
"Region": "ap-southeast-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",

"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-2.amazonaws.com"
}
},
"params": {
"Region": "ap-southeast-2",
"UseFIPS": false,
"UseDualStack": false
}
},
{

"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-3.amazonaws.com"
}
},
"params": {
"Region": "ap-southeast-3",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ca-central-1.amazonaws.com"
}
},

"params": {
"Region": "ca-central-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-central-1.amazonaws.com"
}
},
"params": {
"Region": "eu-central-1",

"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-north-1 with FIPS
disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-north-1.amazonaws.com"
}
},
"params": {
"Region": "eu-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-south-1.amazonaws.com"
}
},
"params": {
"Region":
"eu-south-1",
"UseFIPS": false,
"UseDualStack": false
}
},
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"documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-west-1.amazonaws.com"
}
},
"params": {
"Region": "eu-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
"expect": {

"endpoint": {
"url": "https://license-manager.eu-west-2.amazonaws.com"
}
},
"params": {
"Region": "eu-west-2",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-west-3.amazonaws.com"
}
},
"params": {
"Region": "eu-west-3",
"UseFIPS": false,

"UseDualStack": false
}
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{
"documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.me-south-1.amazonaws.com"
}
},
"params": {
"Region": "me-south-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.sa-east-1.amazonaws.com"
}
},
"params": {
"Region": "sa-east-1",
"UseFIPS": false,

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            "UseDualStack": false
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    {
        "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-east-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "us-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }

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    {
        "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.us-east-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "us-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-east-2.amazonaws.com"
            }

     },
        "params": {
            "Region": "us-east-2",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
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"url": "https://license-manager-fips.us-east-2.amazonaws.com"
}
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"params": {
"Region": "us-east-2",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region
us-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-west-1.amazonaws.com"
}
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"params": {

"Region": "us-west-1",
"UseFIPS": true,
"UseDualStack": false
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},
{
"documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-west-2.amazonaws.com"
}
},
"params": {
"Region": "us-west-2",
"UseFIPS": false,
"UseDualStack": false

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            }
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        {
            "documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",

"expect": {
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                    "url": "https://license-manager-fips.us-west-2.amazonaws.com"
                }
            },
            "params": {
                "Region": "us-west-2",
                "UseFIPS": true,
                "UseDualStack": false
            }
        },
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            "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-fips.us-east-1.api.aws"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": true,

                "UseDualStack": true
            }
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            "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.us-east-1.api.aws"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": true
            }
        },
        {
            "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url":
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"https://license-manager.cn-north-1.amazonaws.com.cn"
}
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"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-northwest-1",
"UseFIPS": false,
"UseDualStack": false

}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}

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      },
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        "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
        "expect": {
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            "url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
          }
        },
        "params": {
          "Region": "cn-north-1",
          "UseFIPS": false,
          "UseDualStack": true
        }
      },

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        "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.us-gov-east-1.amazonaws.com"
          }
        },
        "params": {
          "Region": "us-gov-east-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
      },
      {
        "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
          }
         },
        "params": {
          "Region": "us-gov-east-1",
          "UseFIPS": true,
          "UseDualStack": false
        }
      },
      {
        "documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.us-gov-west-1.amazonaws.com"
          }
        },
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"params": {
"Region": "us-gov-west-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation":
"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
}
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"params": {
"Region": "us-gov-west-1",
"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.api.aws"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-east-1.api.aws"
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},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}

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      },
      {
        "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
          }
        },
        "params": {
          "Region": "us-isob-east-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
      },

    {
        "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
          "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
        },
        "params": {
          "Region": "us-isob-east-1",
          "UseFIPS": true,
          "UseDualStack": true
        }
      },
      {
        "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
          }
        },

"params": {
          "Region": "us-isob-east-1",
          "UseFIPS": true,
          "UseDualStack": false
        }
      },
      {
        "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
        "expect": {
          "error": "DualStack is enabled but this partition does not support DualStack"
        },
        "params": {
          "Region": "us-isob-east-1",
          "UseFIPS": false,
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"UseDualStack": true
}
},
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"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,

"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {

"error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
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{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
"output": {
"target": "com.amazonaws.licensemanager#AcceptGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"

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            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"

    }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant
ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
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"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#AccessDeniedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
"httpResponseCode": 401
},
"smithy.api#documentation": " Access to resource denied. ",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
"type": "enum",
"members": {
"DISTRIBUTED_GRANTS_ONLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
}
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperation": {

"type": "enum",
"members": {
"CREATE_GRANT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateGrant"
}

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            },
            "CHECKOUT_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckoutLicense"
                }
            },
            "CHECKOUT_BORROW_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckoutBorrowLicense"
                }
            },
            "CHECK_IN_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckInLicense"
                }
            },
            "EXTEND_CONSUMPTION_LICENSE":
{
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ExtendConsumptionLicense"
                }
            },
            "LIST_PURCHASED_LICENSES": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ListPurchasedLicenses"
                }
            },
            "CREATE_TOKEN": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CreateToken"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#AllowedOperationList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#AllowedOperation"
        },
        "traits": {
            "smithy.api#length": {
                "min": 1,
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"max":
7
}
}
},
"com.amazonaws.licensemanager#Arn": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 2048
},
"smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
}
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"com.amazonaws.licensemanager#ArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
}
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"com.amazonaws.licensemanager#AuthorizationException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError":
{
"code": "AuthorizationFailure",
"httpResponseCode": 403
},
"smithy.api#documentation": " The Amazon Web Services user account does not have permission to perform the action. Check the IAM\n policy associated with this account. ",
"smithy.api#error": "client",
"smithy.api#httpError": 403
}
},
"com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
"type": "structure",
"members": {
"LastRunTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time that automated discovery last ran. "

```
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Describes automated discovery.</p>"
        }
      },

  "com.amazonaws.licensemanager#Boolean": {
        "type": "boolean",
        "traits": {
          "smithy.api#default": false
        }
      },
      "com.amazonaws.licensemanager#BorrowConfiguration": {
        "type": "structure",
        "members": {
          "AllowEarlyCheckIn": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
              "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
              "smithy.api#required": {}
            }
          },
          "MaxTimeToLiveInMinutes": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
              "smithy.api#required": {}
            }
          }

},
        "traits": {
          "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
        }
      },
      "com.amazonaws.licensemanager#BoxBoolean": {
        "type": "boolean"
      },
      "com.amazonaws.licensemanager#BoxInteger": {
        "type": "integer"
      },
      "com.amazonaws.licensemanager#BoxLong": {
        "type": "long"
      },
      "com.amazonaws.licensemanager#CheckInLicense": {
        "type": "operation",
```

"input": {
"target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks in the specified license. Check in a license when it is no longer in use. "
}
},
"com.amazonaws.licensemanager#CheckInLicenseRequest": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. ",
"smithy.api#required": {}
}

```
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
            },
```

```
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
        "type": "structure",
        "members":
 {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must
use the borrow consumption configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
                    "smithy.api#required": {}
                }
            },
            "DigitalSignatureMethod": {
                "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
                "traits": {
                    "smithy.api#documentation": "<p>Digital signature method. The possible
 value is JSON Web Signature (JWS) algorithm PS384.\n        For more information, see <a
href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS</a>.</p>",
                    "smithy.api#required": {}
                }
            },
```

```
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },
            "EntitlementsAllowed":
{
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
                }
            },
            "NodeId": {
```

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout
is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout expires. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target":
"com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license. \n <note>\n If the account that created the license is the same that is performing the check out, you must\n specify the account as the beneficiary. \n </note>"
}
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
"type": "structure",
"members": {
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product
SKU. ",
"smithy.api#required": {}
}
},
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {

"smithy.api#documentation": " Checkout type. ",
"smithy.api#required": {}
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Key fingerprint identifying the license. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
"type": "structure",
"members": {

"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. "
}
},
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},
"EntitlementsAllowed": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " Allowed license entitlements. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and
time at which the license checkout expires. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the checkout license. "
}

```
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CheckoutType": {
    "type": "enum",
    "members": {
        "PROVISIONAL": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PROVISIONAL"
            }
        },
        "PERPETUAL": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PERPETUAL"
            }
        }
    }
},
"com.amazonaws.licensemanager#ClientRequestToken": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 36
        }
    }
},
"com.amazonaws.licensemanager#ClientToken": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 2048
        },
        "smithy.api#pattern": "^\\S+$"
    }
},
"com.amazonaws.licensemanager#ConflictException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
```

```
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "ConflictException",
                "httpResponseCode":
 409
            },
            "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 409
        }
    },
    "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
        "type": "structure",
        "members": {
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
                }
            },
            "ConsumedLicenses": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
                }
            }
        },

 "traits": {
            "smithy.api#documentation": "<p>Details about license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
        }
    },
    "com.amazonaws.licensemanager#ConsumptionConfiguration": {
        "type": "structure",
        "members": {
            "RenewType": {
                "target": "com.amazonaws.licensemanager#RenewType",
                "traits": {
                    "smithy.api#documentation": "<p>Renewal frequency.</p>"
                }
```

```
            },
            "ProvisionalConfiguration": {
                "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
                }
            },
            "BorrowConfiguration": {
                "target": "com.amazonaws.licensemanager#BorrowConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
```

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of license\n        entitlements with a specific Amazon Web Services account, an organization, or an\n organizational unit (OU). For more
 information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>",
                    "smithy.api#required": {}

    }
            },
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Principals": {
                "target": "com.amazonaws.licensemanager#PrincipalArnList",
                "traits": {
                    "smithy.api#documentation": "<p>The grant principals. You can specify one of the following as an Amazon Resource Name\n        (ARN):</p>\n        <ul>\n            <li>\n                <p>An Amazon Web Services account, which includes only the account specified.</p>\n            </li>\n        </ul>\n        <ul>\n            <li>\n
    <p>An organizational unit (OU), which includes all accounts in the OU.</p>\n            </li>\n        </ul>\n
<ul>\n
            <li>\n                <p>An organization, which will include all accounts across your organization.</p>\n
</li>\n        </ul>",
                    "smithy.api#required": {}
                }
```

```
        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Home Region of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "AllowedOperations": {
            "target": "com.amazonaws.licensemanager#AllowedOperationList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersion":
```

{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a new version of the specified grant. For more information, see\n Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#CreateGrantVersionRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",

"smithy.api#required": {}
}

```
    },
    "GrantArn": {
        "target": "com.amazonaws.licensemanager#Arn",
        "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
            "smithy.api#required": {}
        }
    },
    "GrantName": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Grant name.</p>"
        }
    },
    "AllowedOperations": {
        "target": "com.amazonaws.licensemanager#AllowedOperationList",
        "traits": {
            "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
        }
    },
    "Status": {
        "target": "com.amazonaws.licensemanager#GrantStatus",
        "traits": {
            "smithy.api#documentation": "<p>Grant status.</p>"
        }
    },
    "StatusReason": {
        "target": "com.amazonaws.licensemanager#StatusReasonMessage",
        "traits": {
            "smithy.api#documentation": "<p>Grant status reason.</p>"
        }
    },
    "SourceVersion": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Current version of the grant.</p>"
        }
    },
    "Options": {
        "target": "com.amazonaws.licensemanager#Options",
        "traits": {
            "smithy.api#documentation": "<p>The options specified for the grant.</p>"
        }
    }
},
"traits": {
    "smithy.api#input": {}
}
```

```
    },
    "com.amazonaws.licensemanager#CreateGrantVersionResponse": {
      "type": "structure",
      "members": {
        "GrantArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>Grant ARN.</p>"
          }
        },
        "Status": {
          "target": "com.amazonaws.licensemanager#GrantStatus",
          "traits": {
            "smithy.api#documentation": "<p>Grant status.</p>"
          }
        },
        "Version": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>New version of the grant.</p>"
          }
        }
      },
      "traits":
{
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#CreateLicense": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration
is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager.
Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU),
allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or
```

all of these), license affinity to host (how long a \n license must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension used to track the license inventory. ",
"smithy.api#required": {}
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether hard or soft license enforcement is used. Exceeding a hard limit\n blocks the launch of new instances. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows. \n \n \n \n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> |

```
<code>minimumCores</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>Instances</code> dimension: <code>allowedTenancy</code> | \n            <code>maximumCores</code> |
<code>minimumCores</code> |\n            <code>maximumSockets</code> | <code>minimumSockets</code> |\n
        <code>maximumVcpus</code> | <code>minimumVcpus</code>\n            </p>\n          </li>\n
<li>\n
  <p>\n              <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n
<code>licenseAffinityToHost</code> |\n            <code>maximumSockets</code> |
<code>minimumSockets</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n
<code>honorVcpuOptimization</code> | \n            <code>maximumVcpus</code> |
<code>minimumVcpus</code>\n            </p>\n          </li>\n        </ul>\n        <p>The unit for
<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n        values for
<code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n
<code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n
<code>True</code> and <code>False</code>.</p>"
            }
          },

  "Tags": {
            "target": "com.amazonaws.licensemanager#TagList",
            "traits": {
              "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
            }
          },
          "DisassociateWhenNotFound": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
              "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
            }
          },
          "ProductInformationList": {
            "target": "com.amazonaws.licensemanager#ProductInformationList",
            "traits": {
              "smithy.api#documentation": "<p>Product information.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
 {
        "type": "structure",
        "members": {
          "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
```

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            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
    }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
    "type": "structure",
    "members": {
        "ResourceArn": {

            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
```

"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource you are converting the license type for. ",
"smithy.api#required": {}
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
},
"DestinationLicenseContext":
{
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting to. For the structure of the destination license, see Convert a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

"traits": {
"smithy.api#documentation": " The ID of the created license type conversion task. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
"type": "operation",

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        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "ReportGeneratorName":
{
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
```

"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports to generate. The following report types an be generated: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}

}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "
}
}
},

"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the new report
generator. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseRequest": {
"type": "structure",
"members": {
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product
name. ",
"smithy.api#required": {}
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits": {

"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region for the license. ",
"smithy.api#required": {}

}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}

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            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>"
                }
            },
            "Version": {
                 "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersion": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
        },
```

```
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#ConflictException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#RedirectException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target":
"com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
              "smithy.api#required": {}
            }
          },
          "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>License name.</p>",
              "smithy.api#required": {}
            }
          },
```

"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits":
{
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the license. ",
"smithy.api#required": {}
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for

workloads with offline\n usage. ",
"smithy.api#required": {}
}
},

"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the license. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New version of the license. "
}
},
"Status": {

"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
}
},
"traits": {
"smithy.api#output":
{}
}
},
"com.amazonaws.licensemanager#CreateToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a long-lived token. \n A refresh token is a JWT

token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license. "
}
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits":
{
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token. ",
"smithy.api#required": {}
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n License Manager does not check whether the roles are in use. "
}
},
"ExpirationInDays": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Token expiration, in days, counted from token creation. The default is 365 days. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Idempotency token, valid for 10 minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

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},
"com.amazonaws.licensemanager#CreateTokenResponse": {
    "type": "structure",
    "members": {
        "TokenId": {
            "target": "com.amazonaws.licensemanager#String",

            "traits": {
                "smithy.api#documentation": "<p>Token ID.</p>"
            }
        },
        "TokenType": {
            "target": "com.amazonaws.licensemanager#TokenType",
            "traits": {
                "smithy.api#documentation": "<p>Token type.</p>"
            }
        },
        "Token": {
            "target": "com.amazonaws.licensemanager#TokenString",
            "traits": {
                "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
        "Begin": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Start of the time range.</p>",
                "smithy.api#required": {}
            }
        },
        "End": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>End of the time range.</p>"
            }
        }
    },
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        "traits": {
            "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
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            }
          },
          "StatusReason": {
            "target": "com.amazonaws.licensemanager#StatusReasonMessage",
            "traits": {
              "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Current version of the
grant.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#DeleteGrantResponse": {
        "type": "structure",
        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
              "smithy.api#documentation": "<p>Grant status.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation":
"<p>Grant version.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
```

"com.amazonaws.licensemanager#DeleteLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license configuration. \n You cannot delete a license configuration that is in use. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the license configuration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified report generator. \n This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator to be deleted. ",
"smithy.api#required": {}
}
}

```
        },
        "traits": {

 "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the license.</p>",
                    "smithy.api#required":
{}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseResponse": {
        "type": "structure",
        "members": {
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>"
                }
            },
            "DeletionDate": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
```

"smithy.api#documentation": " Date when the license is deleted. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},

{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified token. Must be called in the license home Region. "
}
},
"com.amazonaws.licensemanager#DeleteTokenRequest": {
"type": "structure",
"members": {

"TokenId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token ID. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteTokenResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}

}
},
"com.amazonaws.licensemanager#DigitalSignatureMethod": {
"type": "enum",
"members": {
"JWT_PS384": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "JWT_PS384"
}
}
}
},
"com.amazonaws.licensemanager#Entitlement": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement resource. Use only
if the unit is None. "
}
},

"MaxCount": {
"target": "com.amazonaws.licensemanager#Long",
"traits": {
"smithy.api#documentation": " Maximum entitlement count. Use if the unit is not None. "
}
},
"Overage": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether overages are allowed. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementUnit",
"traits": {
"smithy.api#documentation": " Entitlement unit. ",
"smithy.api#required": {}
}
},
"AllowCheckIn": {
"target":
"com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether check-ins are allowed. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a resource entitled for use with a license. "
}
},
"com.amazonaws.licensemanager#EntitlementData": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement data name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement
data value. "
}
},

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            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement data unit.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementDataList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementData"
        }
    },
    "com.amazonaws.licensemanager#EntitlementDataUnit": {
        "type": "enum",
        "members": {
            "COUNT": {
                "target": "smithy.api#Unit",
                "traits": {

"smithy.api#enumValue": "Count"
                }
            },
            "NONE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "None"
                }
            },
            "SECONDS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Seconds"
                }
            },
            "MICROSECONDS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Microseconds"
                }
            },
            "MILLISECONDS": {
                "target": "smithy.api#Unit",
```

"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"

}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},

"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},
"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementList": {
"type": "list",
"member": {

"target": "com.amazonaws.licensemanager#Entitlement"
}
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The entitlement is not allowed. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#EntitlementUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",

```
            "traits": {
                "smithy.api#enumValue": "Megabits"
            }
        },
        "GIGABITS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Gigabits"
            }
        },
        "TERABITS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabits"
            }
        },
        "PERCENT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Percent"
            }
        },
        "BYTES_PER_SECOND": {
            "target":
"smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Bytes/Second"
            }
        },
        "KILOBYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobytes/Second"
            }
        },
        "MEGABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Megabytes/Second"
            }
        },
        "GIGABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Gigabytes/Second"
            }
        },
        "TERABYTES_PER_SECOND": {
```

"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},

"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementUsage": {
"type": "structure",
"members": {

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            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement usage name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ConsumedValue": {
                "target": "com.amazonaws.licensemanager#String",

           "traits": {
                    "smithy.api#documentation": "<p>Resource usage consumed.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxCount": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
                }
            },
            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementUsageList":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementUsage"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumption": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
        },
```

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        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
           },
          {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
        }
      },
      "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
        "type": "structure",
        "members": {
          "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>License consumption token.</p>",
              "smithy.api#required": {}

       }
          },
          "DryRun": {
            "target": "com.amazonaws.licensemanager#Boolean",
            "traits": {
              "smithy.api#default": false,
              "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action,
without actually making the request. Provides an error response if you do not have the required permissions.</p>"
            }
          }
        },
        "traits": {
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            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },

            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#FailedDependencyException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            },
            "ErrorCode": {
                "target": "com.amazonaws.licensemanager#String"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "FailedDependency",
                "httpResponseCode": 424
            },
            "smithy.api#documentation":
"<p>A dependency required to run the API is missing.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 424
        }
    },
    "com.amazonaws.licensemanager#Filter": {
        "type": "structure",
        "members": {
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            "Name": {
                "target": "com.amazonaws.licensemanager#FilterName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the filter. Filter names are case-sensitive.</p>"
                }
            },
            "Values": {
                "target": "com.amazonaws.licensemanager#FilterValues",
                "traits": {
                    "smithy.api#documentation": "<p>The value of the filter, which is case-sensitive. You can only
specify one value for the filter.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A filter
 name and value pair that is used to return more specific results from a\n         describe operation. Filters can be used
to match a set of resources by specific criteria,\n         such as tags, attributes, or IDs.</p>"
        }
    },
    "com.amazonaws.licensemanager#FilterLimitExceededException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "FilterLimitExceeded",
                "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#FilterList": {
        "type": "list",
         "member": {
            "target": "com.amazonaws.licensemanager#Filter"
        }
    },
    "com.amazonaws.licensemanager#FilterName": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#FilterValue": {
        "type": "string"
```

```
    },
    "com.amazonaws.licensemanager#FilterValues": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#FilterValue",
            "traits": {
                "smithy.api#xmlName": "item"
            }
        }
    },
    "com.amazonaws.licensemanager#Filters": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Filter",
            "traits": {
                "smithy.api#xmlName": "item"
            }
        }
    },
    "com.amazonaws.licensemanager#GetAccessToken": {
        "type": "operation",
        "input": {
             "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
```

tokens\n are valid for one hour. "
}
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
"type": "structure",
"members": {
"Token": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Refresh token, encoded as a JWT token. ",
"smithy.api#required": {}
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Token properties to validate against those present in the JWT token. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetAccessTokenResponse": {
"type": "structure",
"members": {
"AccessToken": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Temporary access token. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetGrantResponse"
},

```
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"

    },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
```

```
},
"com.amazonaws.licensemanager#GetGrantResponse": {
    "type": "structure",
    "members": {
        "Grant": {
            "target": "com.amazonaws.licensemanager#Grant",
            "traits": {
                "smithy.api#documentation": "<p>Grant details.</p>"
            }
        }
    },
    "traits": {

"smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"

 },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
    }
```

```
    },
    "com.amazonaws.licensemanager#GetLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the specified license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits":
 {
            "smithy.api#input": {}
        }
    },
```

```
"com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
    "type": "structure",
    "members": {
        "LicenseConfigurationId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
            }
        },
        "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
        },
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Name of the license configuration.</p>"
             }
        },
        "Description": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Description of the license configuration.</p>"
            }
        },
        "LicenseCountingType": {
            "target": "com.amazonaws.licensemanager#LicenseCountingType",
            "traits": {
                "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
            }
        },
        "LicenseRules": {
            "target": "com.amazonaws.licensemanager#StringList",
            "traits": {
                "smithy.api#documentation": "<p>License rules.</p>"
            }
        },
        "LicenseCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",

           "traits": {
                "smithy.api#documentation": "<p>Number of available licenses.</p>"
            }
        },
        "LicenseCountHardLimit": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
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"traits": {
"smithy.api#documentation": " Sets the number of available licenses as a hard limit. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses assigned to resources. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License configuration status. "
}

},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner of the license configuration. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {

"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When
true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified license type conversion task. "
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {

"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted to. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "

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                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
                }
            },

  "StartTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
                }
            },
            "LicenseConversionTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
                }
            },
            "EndTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time at which the license type conversion task was
completed.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
 {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
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            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

          },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
                    "smithy.api#required":
{}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {
            "ReportGenerator": {
                "target": "com.amazonaws.licensemanager#ReportGenerator",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
```

configurations. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseResponse": {
"type": "structure",
"members": {
"License": {
"target": "com.amazonaws.licensemanager#License",
"traits": {
"smithy.api#documentation": " License details. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},

"com.amazonaws.licensemanager#GetLicenseUsage": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the usage of the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseUsageRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseUsageResponse": {
"type": "structure",
"members": {

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            "LicenseUsage": {
                "target":
"com.amazonaws.licensemanager#LicenseUsage",
                "traits": {
                    "smithy.api#documentation": "<p>License usage details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsRequest": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
```

"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Regional S3 bucket path for storing reports, license trail event data, discovery data,\n and so on. "

}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " SNS topic configured to receive notifications from License Manager. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Indicates whether Organizations is integrated with License Manager for\n cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether cross-account discovery is enabled. "
}

},
"LicenseManagerResourceShareArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource share. The License Manager management account \n provides member accounts with access to this share. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Grant": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",

"smithy.api#required": {}
}
},
"GrantName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}
}
},
"ParentArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",
"smithy.api#required": {}
}
},
"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {

"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. ",
"smithy.api#required": {}
}
},
"GrantedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Granted operations. ",
"smithy.api#required": {}
}
},
"Options": {
"target": "com.amazonaws.licensemanager#Options",
"traits": {
"smithy.api#documentation": " The options specified for the grant. "
}
}
},
"traits": {
"smithy.api#documentation":
" Describes a grant. "
}
},
"com.amazonaws.licensemanager#GrantList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Grant"
}
},
"com.amazonaws.licensemanager#GrantStatus": {
"type": "enum",
"members": {
"PENDING_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_WORKFLOW"
}
},
"PENDING_ACCEPT": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "PENDING_ACCEPT"
}
},
"REJECTED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REJECTED"

}
},
"ACTIVE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ACTIVE"
}
},
"FAILED_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED_WORKFLOW"
}
},
"DELETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DELETED"
}
},
"PENDING_DELETE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_DELETE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "DISABLED"
}
},
"WORKFLOW_COMPLETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WORKFLOW_COMPLETED"
}
}

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        }
    },
    "com.amazonaws.licensemanager#GrantedLicense": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>"
                }

},
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product name.</p>"
                }
            },
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product SKU.</p>"
                }
            },
            "Issuer": {
                "target": "com.amazonaws.licensemanager#IssuerDetails",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license issuer.</p>"
                }
            },
            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region of the granted license.</p>"

             }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license status.</p>"
                }
```

```
            },
            "Validity": {
                "target": "com.amazonaws.licensemanager#DatetimeRange",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in
ISO8601-UTC format.</p>"
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementList",
                 "traits": {
                    "smithy.api#documentation": "<p>License entitlements.</p>"
                }
            },
            "ConsumptionConfiguration": {
                "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
                }
            },
            "LicenseMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license metadata.</p>"
                }
            },
            "CreateTime": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Creation time of the granted license.</p>"

    }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Version of the granted license.</p>"
                }
            },
            "ReceivedMetadata": {
                "target": "com.amazonaws.licensemanager#ReceivedMetadata",
                "traits": {
```

"smithy.api#documentation": " Granted license received metadata. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a license that is granted to a grantee. "
}
},
"com.amazonaws.licensemanager#GrantedLicenseList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#GrantedLicense"
}
},
"com.amazonaws.licensemanager#ISO8601DateTime":
{
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$"
}
},
"com.amazonaws.licensemanager#Integer": {
"type": "integer"
},
"com.amazonaws.licensemanager#InvalidParameterValueException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidParameterValueProvided",
"httpResponseCode": 400
},
"smithy.api#documentation":
" One or more parameter values are not valid. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#InvalidResourceStateException": {

"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidResourceState",
"httpResponseCode": 400
},
"smithy.api#documentation": " License Manager cannot allocate a license to a resource because of its state. \n For example, you cannot allocate a license to an instance in the process of shutting\n down. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},

"com.amazonaws.licensemanager#InventoryFilter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the filter. ",
"smithy.api#required": {}
}
},
"Condition": {
"target": "com.amazonaws.licensemanager#InventoryFilterCondition",
"traits": {
"smithy.api#documentation": " Condition of the filter. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Value of the filter. "
}
}

},
"traits": {
"smithy.api#documentation": " An inventory filter. "
}
},

```
"com.amazonaws.licensemanager#InventoryFilterCondition": {
    "type": "enum",
    "members": {
        "EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EQUALS"
            }
        },
        "NOT_EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "NOT_EQUALS"
            }
        },
        "BEGINS_WITH": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "BEGINS_WITH"
            }
        },
        "CONTAINS": {
            "target": "smithy.api#Unit",
            "traits": {
                 "smithy.api#enumValue": "CONTAINS"
            }
        }
    }
},
"com.amazonaws.licensemanager#InventoryFilterList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#InventoryFilter"
    }
},
"com.amazonaws.licensemanager#Issuer": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Issuer name.</p>",
                "smithy.api#required": {}
            }
        },
        "SignKey": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the issuer of a license. "
}
},
"com.amazonaws.licensemanager#IssuerDetails": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. "
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer key fingerprint. "
}
}
},
"traits": {
"smithy.api#documentation": " Details associated with the issuer of a license. "
}
},
"com.amazonaws.licensemanager#License": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " License name. "
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " License issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Home Region of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "

```
            }
        },
        "Entitlements": {

  "target": "com.amazonaws.licensemanager#EntitlementList",
            "traits": {
                "smithy.api#documentation": "<p>License entitlements.</p>"
            }
        },
        "ConsumptionConfiguration": {
            "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
            }
        },
        "LicenseMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
                "smithy.api#documentation": "<p>License metadata.</p>"
            }
        },
        "CreateTime": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>License
creation time.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
    "type": "structure",
    "members": {
        "LicenseConfigurationId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
            }
        },
```

"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension to use to track the license inventory. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Number of available licenses as a hard limit. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}

```
    },
    "ConsumedLicenses": {
        "target": "com.amazonaws.licensemanager#BoxLong",
        "traits": {
            "smithy.api#documentation": "<p>Number of licenses consumed. </p>"
        }
    },
    "Status": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Status of the license configuration.</p>"
        }
    },
    "OwnerAccountId": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Account ID of the license configuration's owner.</p>"

   }
    },
    "ConsumedLicenseSummaryList": {
        "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
        "traits": {
            "smithy.api#documentation": "<p>Summaries for licenses consumed by various resources.</p>"
        }
    },
    "ManagedResourceSummaryList": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
        "traits": {
            "smithy.api#documentation": "<p>Summaries for managed resources.</p>"
        }
    },
    "ProductInformationList": {
        "target": "com.amazonaws.licensemanager#ProductInformationList",
        "traits": {
            "smithy.api#documentation": "<p>Product information.</p>"
        }
    },
    "AutomatedDiscoveryInformation": {

        "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
        "traits": {
            "smithy.api#documentation": "<p>Automated discovery information.</p>"
        }
    }
},
"traits": {
    "smithy.api#documentation": "<p>A license configuration is an abstraction of a customer license
```

agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
"type": "structure",
"members": {
"ResourceArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of server resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Time when the license configuration was associated with the resource. "
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an association with a license configuration. "
}
},

```
    "com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationStatus": {
        "type": "enum",
        "members":
{
            "AVAILABLE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "AVAILABLE"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DISABLED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationUsage": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceStatus": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Status of the resource.</p>"
                }
            },
            "ResourceOwnerId": {
                "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the usage of a resource associated with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
}
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfiguration"
}
},
"com.amazonaws.licensemanager#LicenseConversionContext": {

"type": "structure",
"members": {
"UsageOperation": {
"target": "com.amazonaws.licensemanager#UsageOperation",
"traits": {
"smithy.api#documentation": " The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\n \n "
}

```
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTask": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {

     "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the license type conversion task.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource associated
with the license type\n        conversion task.</p>"
                }
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license type this conversion task converted
from.</p>"
                }
            },
            "DestinationLicenseContext": {
                "target":
 "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
                "traits": {
                    "smithy.api#documentation": "<p>The status of the conversion task.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
```

```
            }
        },
        "StartTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation":
 "<p>The time the conversion task was started at.</p>"
            }
        },
        "LicenseConversionTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
            }
        },
        "EndTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
    "type": "string",
    "traits": {

    "smithy.api#length": {
            "min": 0,
            "max": 50
        },
        "smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
    }
},
"com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
    "type": "enum",
    "members": {
        "IN_PROGRESS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "IN_PROGRESS"
            }
        },
        "SUCCEEDED": {
```

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SUCCEEDED"
}
},
"FAILED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseConversionTasks":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConversionTask"
}
},
"com.amazonaws.licensemanager#LicenseCountingType": {
"type": "enum",
"members": {
"VCPU": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "vCPU"
}
},
"INSTANCE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Instance"
}
},
"CORE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Core"
}
},
"SOCKET": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Socket"
}
}
}

```
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
    "type": "enum",
    "members": {
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#License"
    }
},
"com.amazonaws.licensemanager#LicenseOperationFailure": {

    "type": "structure",
    "members": {
        "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
            }
        },
        "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Resource type.</p>"
            }
        },
        "ErrorMessage": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Error message.</p>"
            }
        },
        "FailureTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
```

"traits": {

"smithy.api#documentation": " Failure time. "
}
},
"OperationName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the operation. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource. "
}
},
"OperationRequestedBy": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The requester is \"License Manager Automated Discovery\". "
}
},
"MetadataList": {

"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Reserved. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the failure of a license operation. "
}
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailure"
}
},
"com.amazonaws.licensemanager#LicenseSpecification": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Details for associating a license configuration with a resource. "
}
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseSpecification"
}
},
"com.amazonaws.licensemanager#LicenseStatus": {
"type": "enum",
"members": {
"AVAILABLE": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"PENDING_AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_AVAILABLE"
}
},
"DEACTIVATED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DEACTIVATED"
}
},
"SUSPENDED": {
"target": "smithy.api#Unit",

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            "traits": {
                "smithy.api#enumValue": "SUSPENDED"
            }
        },
        "EXPIRED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EXPIRED"
            }
        },

    "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseUsage": {
    "type": "structure",
    "members": {
        "EntitlementUsages": {
            "target": "com.amazonaws.licensemanager#EntitlementUsageList",
            "traits": {
                "smithy.api#documentation": "<p>License entitlement usages.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"

    }
},
"com.amazonaws.licensemanager#LicenseUsageException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
```

"aws.protocols#awsQueryError": {
"code": "LicenseUsageFailure",
"httpResponseCode": 412
},
"smithy.api#documentation": " You do not have enough licenses available to support a new resource launch. ",
"smithy.api#error": "client",
"smithy.api#httpError": 412
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the resource associations for the specified license configuration. \n Resource associations need not consume licenses from a license configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n the license rules). "
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
"type": "structure",

"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results
to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationAssociations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license
configuration. "
}
},
"NextToken": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},

```
"com.amazonaws.licensemanager#ListDistributedGrants": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
    "type": "structure",
    "members": {
        "GrantArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
            "traits": {

        "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
            }
        },
        "Filters": {
            "target": "com.amazonaws.licensemanager#FilterList",
            "traits": {
```

"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranteePrincipalARN</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",

"traits": {
"smithy.api#documentation": " Distributed grant details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license configuration operations that failed. "
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name of the license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse": {
"type": "structure",
"members": {
"LicenseOperationFailureList": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
"traits": {
"smithy.api#documentation": " License configuration operations that failed. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConfigurations": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
},

"output": {
"target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},

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            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configurations
 for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArns": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next
 set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n                Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n                Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n
<p>\n                <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n                Logical operators are <code>EQUALS</code> |
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<code>NOT_EQUALS</code>.</p>\n
    </li>\n            <li>\n              <p>\n                <code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n              Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n         </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurations": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurations",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",

          "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConversionTasks": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
```

"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license type conversion tasks for your account. "
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
"type": "structure",
"members": {
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " \n Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
"type": "structure",
"members": {
"LicenseConversionTasks": {
"target": "com.amazonaws.licensemanager#LicenseConversionTasks",
"traits": {
"smithy.api#documentation": " Information about the license configuration tasks for your

account. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}

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        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseConfigurationArn</code>\n
</p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits":
{
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
        "type": "structure",
        "members": {
            "ReportGenerators": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorList",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

"smithy.api#documentation": " Token for the next set of results. "
}

}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Describes the license configurations for the specified resource. "
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a resource that has an associated license configuration. ",
"smithy.api#required": {}
}

```
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {

    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
    "type": "structure",
    "members": {
        "LicenseSpecifications": {
            "target": "com.amazonaws.licensemanager#LicenseSpecifications",
            "traits": {
                "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
            }
        },
        "NextToken": {
             "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
```

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        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                "smithy.api#required": {}
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
```

```
        "type": "structure",
        "members": {
          "Licenses": {
            "target": "com.amazonaws.licensemanager#LicenseList",
            "traits": {
              "smithy.api#documentation": "<p>License details.</p>"
            }
          },

"NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenses": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListLicensesRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListLicensesResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
           },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
```

```
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicensesRequest": {
        "type": "structure",
        "members": {
            "LicenseArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
                }
            },

     "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n              <p>\n                <code>Beneficiary</code>\n              </p>\n
      </li>\n           <li>\n              <p>\n                <code>ProductSKU</code>\n              </p>\n           </li>\n
   <li>\n              <p>\n                <code>Fingerprint</code>\n              </p>\n           </li>\n           <li>\n
<p>\n                <code>Status</code>\n              </p>\n           </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token
 for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicensesResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#LicenseList",
                "traits": {
```

"smithy.api#documentation": " License details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while

specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target":
"com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the received license. ",
"smithy.api#required": {}

```
            }
        },
        "Filters": {
            "target": "com.amazonaws.licensemanager#FilterList",
            "traits": {
                "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
    <ul>\n        <li>\n        <p>\n        <code>ParentArn</code>\n        </p>\n        </li>\n
<li>\n        <p>\n        <code>GranteePrincipalArn</code>\n        </p>\n        </li>\n        </ul>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
{
    "type": "structure",
    "members": {
        "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
            "traits": {
                "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
```

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    },
    "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
      "type": "structure",
      "members": {
        "GrantArns": {
          "target": "com.amazonaws.licensemanager#ArnList",
           "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
          }
        },
        "Filters": {
          "target": "com.amazonaws.licensemanager#FilterList",
          "traits": {
            "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n          <li>\n            <p>\n              <code>ProductSKU</code>\n            </p>\n
      </li>\n          <li>\n            <p>\n              <code>LicenseIssuerName</code>\n            </p>\n
</li>\n          <li>\n            <p>\n              <code>LicenseArn</code>\n            </p>\n          </li>\n
<li>\n            <p>\n              <code>GrantStatus</code>\n            </p>\n          </li>\n          <li>\n
<p>\n
      <code>GranterAccountId</code>\n            </p>\n          </li>\n        </ul>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        },
        "MaxResults": {
          "target": "com.amazonaws.licensemanager#MaxSize100",
          "traits": {
            "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
      "type": "structure",
      "members": {
        "Grants": {
          "target": "com.amazonaws.licensemanager#GrantList",
           "traits": {
            "smithy.api#documentation": "<p>Received grant details.</p>"
          }
        },
```

```
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
         },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists received licenses.</p>"
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
```

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{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {

    "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>Beneficiary</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n
            </p>\n            </li>\n        </ul>"
                }
            },
```

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        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
    "type": "structure",
    "members": {
        "Licenses": {
            "target": "com.amazonaws.licensemanager#GrantedLicenseList",
             "traits": {
                "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
    "type": "structure",
    "members": {
        "LicenseArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
            }
        },
```

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            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n              <p>\n                <code>ProductSKU</code>\n              </p>\n
        </li>\n            <li>\n              <p>\n                <code>Status</code>\n              </p>\n            </li>\n
<li>\n              <p>\n                <code>Fingerprint</code>\n              </p>\n            </li>\n            <li>\n
<p>\n                <code>IssuerName</code>\n              </p>\n            </li>\n            <li>\n              <p>\n
<code>Beneficiary</code>\n              </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#GrantedLicenseList",
                "traits": {
                    "smithy.api#documentation": "<p>Received license details.</p>"
                }
            },

            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
```

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},
"com.amazonaws.licensemanager#ListResourceInventory": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FailedDependencyException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
    }
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
    "type": "structure",
    "members": {
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#InventoryFilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>account_id</code> - The ID of the Amazon Web Services account that owns the resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n
\n \n \n <code>application_name</code> - The name of the application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n
\n \n \n <code>license_included</code> - The type of license included. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
\n <code>platform</code> - The platform of the resource.\n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n \n \n \n
<code>resource_id</code> - The ID of the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n
<code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account). \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
"type": "structure",
"members": {
"ResourceInventoryList": {
"target": "com.amazonaws.licensemanager#ResourceInventoryList",
"traits": {
"smithy.api#documentation": " Information about the resources. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the tags for the specified license configuration. "
}
},
"com.amazonaws.licensemanager#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

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    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
      "type": "structure",
      "members": {
        "Tags": {
          "target": "com.amazonaws.licensemanager#TagList",
          "traits": {
            "smithy.api#documentation": "<p>Information about the tags.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#ListTokens": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#ListTokensRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#ListTokensResponse"
      },
      "errors":
[
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
          "target": "com.amazonaws.licensemanager#ValidationException"
        }
      ],
      "traits": {
        "smithy.api#documentation": "<p>Lists your tokens.</p>"
      }
    },
    "com.amazonaws.licensemanager#ListTokensRequest": {
      "type": "structure",
      "members": {
```

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            "TokenIds": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {

                  "smithy.api#documentation": "<p>Token IDs.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
    <ul>\n        <li>\n        <p>\n        <code>LicenseArns</code>\n        </p>\n        </li>\n
</ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation":
 "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokensResponse": {
        "type": "structure",
        "members": {
            "Tokens": {
                "target": "com.amazonaws.licensemanager#TokenList",
                "traits": {
                    "smithy.api#documentation": "<p>Received token details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
```

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        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
             {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license\n        consumption details by resource at a selected point in time. Use this action to audit the\n        current
license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
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"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
"type": "structure",
"members": {

"LicenseConfigurationUsageList": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

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                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#Location": {
    "type": "string"
},
"com.amazonaws.licensemanager#Long": {
    "type": "long"
},
"com.amazonaws.licensemanager#ManagedResourceSummary": {
    "type": "structure",
    "members": {
        "ResourceType":
{
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
            }
        },
        "AssociationCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
    }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
    }
},
"com.amazonaws.licensemanager#MaxSize100": {

"type": "integer",
    "traits": {
        "smithy.api#range": {
            "min": 1,
            "max": 100
```

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        }
    }
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The key name.</p>"
            }
        },

"Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The value.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes key/value pairs.</p>"
    }
},
"com.amazonaws.licensemanager#MetadataList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Metadata"
    }
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
    "type": "structure",
    "members": {
```

"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n \n \n As a grantor, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your organization. \n \n \n As a grantee, if the grantor creating the distributed grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n are activating the grant. \n \n \n <dl>\n <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n Use this value to activate a grant without replacing any member accounts\n active grants for the same product. \n </dd>\n <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n Use this value to activate a grant and disable other active grants in any\n member accounts
for the same product. This action will also replace their\n previously activated grants with this activated grant. \n </dd>\n </dl>"
}
}
},
"traits": {
"smithy.api#documentation": " The options you can specify when you create a new version of a grant, such as activation\n override behavior. For more information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#OrganizationConfiguration": {
"type": "structure",
"members": {
"EnableIntegration": {
"target": "com.amazonaws.licensemanager#Boolean",

"traits": {
"smithy.api#default": false,
"smithy.api#documentation":
" Enables Organizations integration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Configuration information for Organizations. "
}
},
"com.amazonaws.licensemanager#PrincipalArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 1
}
}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Resource type. The
possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a
<code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values
for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for
<code>ProductInformationFilterComparator</code>. \n The following filters and are supported when
the resource type \n is <code>SSM_MANAGED</code>: \n
\n \n \n <code>Application Name</code> - The name of the
application.\n Logical operator is <code>EQUALS</code>. \n \n \n
\n <code>Application Publisher</code> - The publisher of the application.\n Logical

operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n
\n \n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n \n \n \n \n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n \n \n <code>License Included</code> - The type of license included.\n Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are: <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n The following filters and logical operators are supported when the resource type\n is <code>RDS</code>: \n \n \n \n <code>Engine Edition</code> - The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>. \n \n \n \n <code>License Pack</code> - The license pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n
<code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n
\n ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information for a license configuration. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
"type": "structure",
"members": {
"ProductInformationFilterName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Filter name. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterValue": {
"target": "com.amazonaws.licensemanager#StringList",

```
        "traits": {
            "smithy.api#documentation": "<p>Filter value.</p>"
        }
      },
      "ProductInformationFilterComparator": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Logical operator.</p>",
            "smithy.api#required": {}
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Describes product information filters.</p>"
    }
  },
  "com.amazonaws.licensemanager#ProductInformationFilterList": {
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#ProductInformationFilter"
    }
  },
  "com.amazonaws.licensemanager#ProductInformationList": {
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#ProductInformation"
    }
  },
  "com.amazonaws.licensemanager#ProvisionalConfiguration": {
    "type": "structure",
    "members": {
      "MaxTimeToLiveInMinutes": {
        "target": "com.amazonaws.licensemanager#BoxInteger",
        "traits": {
            "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
            "smithy.api#required": {}
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
    }
  },
  "com.amazonaws.licensemanager#RateLimitExceededException": {
    "type": "structure",
    "members": {
      "Message": {
        "target": "com.amazonaws.licensemanager#Message"
```

```
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "RateLimitExceeded",
                "httpResponseCode": 429
            },
            "smithy.api#documentation": "<p>Too many requests have been submitted. Try again after a brief
wait.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 429
        }
    },
    "com.amazonaws.licensemanager#ReceivedMetadata": {
        "type": "structure",
        "members": {
            "ReceivedStatus": {
                "target": "com.amazonaws.licensemanager#ReceivedStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Received status.</p>"
                }
            },
            "ReceivedStatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>Received
status reason.</p>"
                }
            },
            "AllowedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed operations.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
        }
    },
    "com.amazonaws.licensemanager#ReceivedStatus": {
        "type": "enum",
        "members": {
            "PENDING_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_WORKFLOW"
                }
```

```
            },
            "PENDING_ACCEPT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue":
"PENDING_ACCEPT"
                }
            },
            "REJECTED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REJECTED"
                }
            },
            "ACTIVE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ACTIVE"
                }
            },
            "FAILED_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED_WORKFLOW"
                }
            },
            "DELETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DELETED"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                 "traits": {
                    "smithy.api#enumValue": "DISABLED"
                }
            },
            "WORKFLOW_COMPLETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WORKFLOW_COMPLETED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#RedirectException": {
        "type": "structure",
```

```
        "members": {
          "Location": {
            "target": "com.amazonaws.licensemanager#Location",
            "traits": {
              "smithy.api#httpHeader": "Location"
            }
          },
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
           "smithy.api#error": "client",
          "smithy.api#httpError": 308
        }
      },
      "com.amazonaws.licensemanager#RejectGrant": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#RejectGrantRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#RejectGrantResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#RejectGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}

}
    },
    "com.amazonaws.licensemanager#RejectGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#RenewType":
```

{
"type": "enum",
"members": {
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"WEEKLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Weekly"
}
},
"MONTHLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Monthly"
}
}
}
},
"com.amazonaws.licensemanager#ReportContext": {
"type": "structure",
"members": {
"licenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "

```
                }
            },
            "period": {
                "target": "com.amazonaws.licensemanager#ReportFrequencyType",

                "traits": {
                    "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
or monthly.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
        }
    },
    "com.amazonaws.licensemanager#ReportFrequencyType": {
        "type": "enum",
        "members": {
            "DAY": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DAY"
                }
            },
            "WEEK": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WEEK"
                }
            },
            "MONTH": {
                "target": "smithy.api#Unit",
                "traits":
{
                    "smithy.api#enumValue": "MONTH"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#ReportGenerator": {
        "type": "structure",
        "members": {
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>"
                }
            },
```

"ReportType": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports that are generated. "
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " License
configuration type for this generator. "
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. "
}
},
"LastRunStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the last report generation attempt. "
}
},
"LastRunFailureReason":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Failure message for the last report generation attempt. "
}
},
"LastReportGenerationTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the last report was generated at. "
}
},
"ReportCreatorAccount": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Web Services account ID used to create the report

generator. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"S3Location": {
"target": "com.amazonaws.licensemanager#S3Location",
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the report was created. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags associated with the report generator. "
}

}
},
"traits": {
"smithy.api#documentation": " Describe the details of a report generator. "
}
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ReportGenerator"
}
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}

```
        }
    },
    "com.amazonaws.licensemanager#ReportType": {
        "type": "enum",
        "members": {
            "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
                }

    },
            "LICENSE_CONFIGURATION_USAGE_REPORT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "LicenseConfigurationUsageReport"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#ReportTypeList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ReportType"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventory": {
        "type": "structure",
        "members": {
            "ResourceId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
```

```
            "Platform": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform of the resource.</p>"
                }
            },
            "PlatformVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
                }
            },
            "ResourceOwningAccountId":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventoryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ResourceInventory"
        }
    },
    "com.amazonaws.licensemanager#ResourceLimitExceededException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "ResourceLimitExceeded",

             "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
```

```
"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
     "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_INSTANCE"
            }
        },
        "EC2_HOST": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_HOST"
            }
        },
        "EC2_AMI": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_AMI"
            }
        },
        "RDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "RDS"
            }
        },
        "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
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"smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
}
}
}
},
"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"com.amazonaws.licensemanager#ServerInternalException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InternalError",
"httpResponseCode": 500
},
"smithy.api#documentation": " The server experienced an internal error. Try again. ",
"smithy.api#error": "server",
"smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanager#SignedToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 4096

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            }
        }
    },
    "com.amazonaws.licensemanager#StatusReasonMessage": {
        "type": "string",
        "traits":
{
            "smithy.api#length": {
                "min": 0,
                "max": 400
            },
            "smithy.api#pattern": "^[\\s\\S]+$"
        }
    },
    "com.amazonaws.licensemanager#String": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#StringList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#Tag": {
        "type": "structure",
        "members": {
            "Key": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Tag key.</p>"
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Tag value.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagKeyList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
```

```
        }
    },
    "com.amazonaws.licensemanager#TagList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Tag"
        }
    },
    "com.amazonaws.licensemanager#TagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#TagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#TagResourceResponse"
        },
        "errors": [
            {
                "target":
"com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
{
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
```

```
            }
        },
        "Tags": {
            "target": "com.amazonaws.licensemanager#TagList",
            "traits": {
                "smithy.api#documentation": "<p>One or more tags.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#TagResourceResponse": {
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#TokenData": {
    "type": "structure",
    "members": {
        "TokenId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token ID.</p>"
            }
        },
        "TokenType": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
            }
        },
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
        },
        "ExpirationTime": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC
```

format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#TokenData"
}
},
"com.amazonaws.licensemanager#TokenString": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 4096
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#TokenType": {
"type": "enum",
"members": {

"REFRESH_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REFRESH_TOKEN"
}
}
}
},
"com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The digital signature method is unsupported. Try your request
again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#UntagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],

"traits": {
"smithy.api#documentation": " Removes the specified tags from the specified license configuration. "
}
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanager#TagKeyList",
"traits": {
"smithy.api#documentation": " Keys identifying the tags to remove. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

```
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseConfigurationStatus": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
                "traits": {
                    "smithy.api#documentation": "<p>New status of the license configuration.</p>"
                }
            },
            "LicenseRules": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {

    "smithy.api#documentation": "<p>New license rule. The only rule that you can add after you create a license\n
    configuration is licenseAffinityToHost.</p>"
                }
            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
```

"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}

```
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to
```

update. ",
"smithy.api#required": {}
}
},
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation":
" Type of reports to generate. The following report types are supported: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " The report context. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},

{
"target": "com.amazonaws.licensemanager#InvalidResourceStateException"
},
{
"target": "com.amazonaws.licensemanager#LicenseUsageException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],

"traits": {
"smithy.api#documentation": " Adds or removes the specified license configurations for the specified Amazon Web Services resource. \n You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource. "
}
},

"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon Web Services resource. ",
"smithy.api#required": {}
}
},
"AddLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to add. "
}
},
"RemoveLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to remove. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"

```
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
             },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
        "type": "structure",
        "members": {
            "S3BucketArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
 Manager information is stored.</p>"
                }
            },
            "SnsTopicArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts.</p>"
                }
            },
            "OrganizationConfiguration": {
                "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account discovery.</p>"
```

```
                }
            },
            "EnableCrossAccountsDiscovery": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"

        }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UsageOperation": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            }
        }
    },
    "com.amazonaws.licensemanager#ValidationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

    "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    }
  }
}
```

1.6853 shopify-sarama 1.26.3

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1.6855 driver-postgres 1.0.8

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1.6856 genproto-googleapis-rpc 0.0.0-20241021214115-324edc3d5d38

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1.6857 golang-glog 1.2.2

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1.6858 aws-sdk-go-v2-feature-ec2-imds 1.16.11

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```
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
       uses: actions/checkout@v2
```

```
      with:
        path: new-ref
        fetch-depth: 0
    - name: Get Diff
      run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
    - name: Get Target Files
      run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
    - name: Checkout scancode
      uses: actions/checkout@v2
      with:
        repository: nexB/scancode-toolkit
        path: scancode-toolkit
        fetch-depth: 1
    - name: Set up Python ${{ matrix.python-version }}
       uses: actions/setup-python@v2
      with:
        python-version: ${{ matrix.python-version }}
    # ScanCode
    - name: Self-configure scancode
      working-directory: ./scancode-toolkit
      run: ./scancode --help
    - name: Run Scan code on target
      run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
    - name: Run Scan code on pr ref
      run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
CreateLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
```

Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
ListReceivedLicenses
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody

```
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType
```

```
 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
```

```
 *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
```

```
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}
```

```
type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.Entitlement

 // Home Region for the license.
 //
 // This member is required.
 HomeRegion *string

 // License issuer.
 //
 // This member is required.
 Issuer *types.Issuer

 // License name.
 //
 // This member is required.
 LicenseName *string

 // Product name.
 //
 // This member is required.
 ProductName *string

 // Product SKU.
 //
```

```
 // This member is required.
 ProductSKU *string

 // Date and time range during which the license is valid, in ISO8601-UTC format.
 //
 // This member is required.
 Validity *types.DatetimeRange

 // Information about
 the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }
```

```
if
err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return
err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
```

```
 return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
 return err
 }
 if err = addRecursionDetection(stack); err != nil {
 return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
 return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
 return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName:
 "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
```

```
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
```

```
}
err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil
```

```
 {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
CheckoutLicense
 Initialize stack step
```

RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
DisassociateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent

AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckoutBorrowLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing

Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AssociateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

```
package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
   - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string
```

```
 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
```

```
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err
= smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
```

```
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
```

```
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err
!= nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpGetLicenseValidationMiddleware(stack);
err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
```

```
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-Grafana-Enterprise.html
```

```
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
```

```
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
```

```
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}
```

```
func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
ListLicenses
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
```

AWS SDK for Go

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{
   "smithy": "2.0",
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  "shapes": {
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      "type": "integer"
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    "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
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    "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
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      "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
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      "output": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
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          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
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          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
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          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
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      "traits": {
        "smithy.api#documentation": "<p>Remove a third-party subscription provider from the Bring Your Own
License (BYOL) subscriptions \n\t\t\tregistered to your account.</p>",
        "smithy.api#http": {
          "code": 200,
          "method": "POST",
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        "smithy.api#idempotent": {}
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    "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
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           "traits": {
             "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the subscription provider
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"smithy.api#required": {}
}
}
},
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"traits": {
"smithy.api#output": {}
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"com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
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"Name": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of name to filter by. "
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"Values": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " One or more values for the name to filter by. "
}
},
"Operator": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
"traits": {
"smithy.api#documentation": " An operator for filtering results. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria. "
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
"type":
"list",
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            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
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                "traits": {
                    "smithy.api#documentation":
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                    "smithy.api#required": {}
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            }
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) for the BYOL registration resource specified in the request. "
}
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"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

"traits": {
"smithy.api#documentation": " The subscription provider for the BYOL registration resource specified \n\t\t\tin the request. "
}
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"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " The status of the Linux subscription provider access token from the last \n\t\t\tsuccessful subscription data request. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The detailed message from your subscription provider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time License Manager retrieved subscription details \n\t\t\tfrom your registered third-party Linux subscription provider. "

```
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
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    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
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        "input": {
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"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
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        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
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                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
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            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
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            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/GetServiceSettings"

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            "smithy.api#idempotent": {}
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        "members": {}
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                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
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"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " Lists
the settings defined for Linux subscriptions discovery. The settings include if\n Organizations integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}
},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
"type": "structure",
"members": {
"AmiId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The AMI ID used to launch the instance. "
}
},
"InstanceID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The instance ID of the resource. "
}

```
            },
            "InstanceType": {
                "target": "smithy.api#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>The instance type of the resource.</p>"
                }
            },
            "AccountID": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The account ID which owns the instance.</p>"
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of the instance.</p>"
                }
            },
            "Region": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Region the instance is running in.</p>"
                }
            },
            "UsageOperation": {
                "target": "smithy.api#String",

    "traits": {
                    "smithy.api#documentation": "<p>The usage operation of the instance. For more information, see For
more information, see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-
subscriptions-usage-operation.html\">Usage\n        operation values</a> in the <i>License Manager User
Guide</i>.</p>"
                }
            },
            "ProductCode": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
                "traits": {
                    "smithy.api#documentation": "<p>The product code for the instance. For more information, see <a
href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-subscriptions-usage-
operation.html\">Usage\n        operation values</a> in the <i>License Manager User Guide</i> .</p>"
                }
            },
            "LastUpdatedTime": {
                "target": "smithy.api#String",
                 "traits": {
                    "smithy.api#documentation": "<p>The time in which the last discovery updated the instance
```

details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the license subscription that the instance uses. "
}
},
"OsVersion": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The operating system software version that runs on your instance. "
}
},
"SubscriptionProviderCreateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp when you registered the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses. "
}
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"SubscriptionProviderUpdateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that the instance synced with the registered \n\t\t\tthird-party Linux subscription provider. "
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"DualSubscription": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Indicates that you have two different license subscriptions for \n\t\t\tthe same software on your instance. "
}
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"RegisteredWithSubscriptionProvider": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " Indicates that your instance uses a BYOL license subscription from \n\t\t\ta third-party Linux subscription provider that you've registered with License Manager. "
}
}
},
"traits": {
"smithy.api#documentation": " Details discovered information about a running instance using Linux

subscriptions. "
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
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    "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation":
" An exception occurred with the service. ",
            "smithy.api#error": "server"
        }
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    "com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
        "type": "service",
        "version": "2018-05-10",
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                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
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            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
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                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
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            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
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                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
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"traits": {
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"sdkId": "License Manager Linux Subscriptions",
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"cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
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"aws.auth#sigv4": {
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"aws.protocols#restJson1": {},
"smithy.api#cors": {
"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager,
you can discover and track your commercial Linux subscriptions on running\n Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
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"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"

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            "UseDualStack": {
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              "required": true,
              "default": false,
              "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
               "type": "Boolean"
            },
            "UseFIPS": {
              "builtIn": "AWS::UseFIPS",
              "required": true,
              "default": false,
              "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
              "type": "Boolean"
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            "Endpoint": {
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              "required": false,
              "documentation": "Override the endpoint used to send this request",
              "type": "String"
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                    "fn": "isSet",
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                      {
                        "ref": "Endpoint"
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                    ]
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                        "fn": "booleanEquals",
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```

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}
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                        "type": "error"
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"ref": "PartitionResult"

},
"supportsFIPS"
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}
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"argv": [

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"ref": "PartitionResult"
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"supportsDualStack"
]
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}
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"rules": [
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"conditions": [],

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"properties": {},
"headers": {}
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one or both",
                                "type": "error"
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                                            ]
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but this partition does not support FIPS",
                    "type": "error"
                }
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"argv": [
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"ref": "PartitionResult"
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"error": "DualStack is enabled but this partition does not support DualStack",
"type": "error"
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"type": "tree"
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subscriptions.{Region}.{PartitionResult#dnsSuffix}",
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                  "type": "tree"
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              "error": "Invalid Configuration: Missing Region",
              "type": "error"
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          "type": "tree"
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    "smithy.rules#endpointTests": {
      "testCases": [
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          "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"

        }
          },
          "params": {
            "Region": "us-east-1",
            "UseFIPS": true,
            "UseDualStack": true
          }
        },
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"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
}
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"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{

"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
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}
},
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"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
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}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}

```
            },
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              "UseDualStack": true
            }
          },
          {

"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
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                "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
              }
            },
            "params": {
              "Region": "cn-north-1",
              "UseFIPS": true,
              "UseDualStack": false
            }
          },
          {
            "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
              }
             },
            "params": {
              "Region": "cn-north-1",
              "UseFIPS": false,
              "UseDualStack": true
            }
          },
          {
            "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
              }
            },
            "params": {
              "Region": "cn-north-1",
              "UseFIPS": false,
              "UseDualStack": false
            }
          },
          {
```

"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
}

},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {

"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"

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            }
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS":
false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
            "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
        },
        "params": {
            "Region": "us-isob-east-1",
            "UseFIPS": true,
            "UseDualStack": true
        }
    },
    {
        "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
             }
        },
        "params": {
            "Region": "us-isob-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
        "expect": {
            "error": "DualStack is enabled but this partition does not support DualStack"
        },
        "params": {
            "Region": "us-isob-east-1",
            "UseFIPS": false,
            "UseDualStack": true
        }
    },
    {

       "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
```

"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{

"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,

"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {

"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled LinuxSubscriptionsDiscovery"

},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled LinuxSubscriptionsDiscovery"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
"type": "structure",

"members": {
"SourceRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Regions in which to discover data for Linux subscriptions. ",
"smithy.api#required": {}
}
},
"OrganizationIntegration": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
"traits": {
"smithy.api#documentation": " Details if you have enabled resource discovery across your accounts in Organizations. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Lists the settings defined for discovering Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",

"uri": "/subscription/ListLinuxSubscriptionInstances"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Instances"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":
{
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results by your specified criteria. \n \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the \n \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n \t<code>Value</code>, such as <code>us-west</code>. \n For each filter, you can specify one of the following values for the <code>Name</code> key \n \tto streamline results: \n \n \n \n <code>AccountID</code>\n \n \n \n \n <code>AmiID</code>\n \n \n \n \n <code>DualSubscription</code>\n \n \n \n \n <code>InstanceID</code>\n \n \n \n \n <code>InstanceType</code>\n \n \n \n \n <code>ProductCode</code>\n \n \n \n \n <code>Region</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>UsageOperation</code>\n \n \n \n For each filter, you can use one of the following <code>Operator</code>
values to \n \t\tdefine the behavior of the filter: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " A token to specify where to
start paginating. This \n\tis the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
"type": "structure",
"members": {
"Instances": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
"traits": {
"smithy.api#documentation": " An array that contains instance objects. "
}
},
"NextToken": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"

```
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the Linux subscriptions that have been discovered. If you have
linked your\n      organization, the returned results will include data aggregated across your accounts in\n
Organizations.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListLinuxSubscriptions"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",

   "items": "Subscriptions"
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify. For example, you can filter by the name of\n
 <code>Subscription</code> with an optional operator to see subscriptions that match,\n      partially match, or don't
match a certain subscription's name.</p>\n        <p>The valid names for this filter are:</p>\n        <ul>\n
<li>\n              <p>\n                <code>Subscription</code>\n              </p>\n          </li>\n        </ul>\n
<p>The
 valid Operators for this filter are:</p>\n        <ul>\n          <li>\n              <p>\n
<code>contains</code>\n              </p>\n          </li>\n          <li>\n              <p>\n
<code>equals</code>\n              </p>\n          </li>\n          <li>\n              <p>\n
<code>Notequal</code>\n              </p>\n          </li>\n        </ul>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
                }
            },
```

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis
the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
"type": "structure",
"members": {
"Subscriptions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
"traits": {
"smithy.api#documentation": " An array that contains subscription objects. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
"type": "operation",
"input": {
"target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
},
"output": {
"target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List Bring Your Own License (BYOL) subscription registration resources for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListRegisteredSubscriptionProviders"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "RegisteredSubscriptionProviders"
}
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
"type": "structure",
"members": {
"SubscriptionProviderSources": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
"traits": {
"smithy.api#documentation": " To filter your results, specify which subscription providers to return \n\t\t\tin the list. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. ",
"smithy.api#range": {
"min": 1,
"max": 100
}
}

},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis the nextToken from a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
"type": "structure",
"members": {
"RegisteredSubscriptionProviders": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
"traits": {
"smithy.api#documentation": " The list of BYOL registration resources that fit the criteria \n\t\t\tyou specified in the request. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List the metadata tags that are assigned to the \n\t\t\tspecified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "GET",
"uri": "/tags/{resourceArn}"
},
"smithy.api#readonly": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource for which to list metadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
"type": "structure",
"members": {
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags for the requested resource. "
}
}
},
"traits": {
"smithy.api#output": {}

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        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
      "type": "string",
      "traits": {
        "smithy.api#enum": [
          {
            "name": "EQUAL",
            "value": "Equal",
            "documentation": "Equal operator"
          },
          {
            "name": "NOT_EQUAL",
            "value": "NotEqual",
            "documentation": "Not equal operator"
          },
          {
            "name": "CONTAINS",
            "value": "Contains",
            "documentation": "Contains operator"
          }
        ],
        "smithy.api#length": {
          "min": 1,
          "max": 20
        }
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
      "type": "string",
      "traits": {
        "smithy.api#enum": [
          {
            "name": "Enabled",
            "value": "Enabled",
            "documentation": "Enabled OrganizationIntegration"
          },
          {
            "name": "Disabled",
            "value": "Disabled",
            "documentation": "Disabled OrganizationIntegration"
          }
        ]
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
      "type": "list",
```

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        "member": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
         },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Register the supported third-party subscription provider for your Bring
Your Own License (BYOL) subscription.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/RegisterSubscriptionProvider"

           },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation": "<p>The supported Linux subscription provider to register.</p>",
                    "smithy.api#required": {}
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                "traits": {
```

"smithy.api#documentation": " The Amazon Resource Name (ARN) of the secret where you've stored your subscription provider's access token. For \n\t\t\tRHEL subscriptions managed through the Red Hat Subscription Manager (RHSM), the secret contains \n\t\t\tyour Red Hat Offline token. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to your registered Linux subscription provider \n\t\t\tresource. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " The Linux subscription provider that you registered. "
}
},
"SubscriptionProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " Indicates the status of the registration action for the Linux subscription provider \n\t\t\tthat you requested. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider":

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{
        "type": "structure",
        "members": {
          "SubscriptionProviderArn": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
            "traits": {
              "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
            }
          },
          "SubscriptionProviderSource": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
            "traits": {
              "smithy.api#documentation": "<p>A supported third-party Linux subscription provider. License
Manager currently supports \n\t\t\tRed Hat subscriptions.</p>"
            }
          },
          "SecretArn": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
             "traits": {
              "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Secrets Manager secret
that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is
the offline token.</p>"
            }
          },
          "SubscriptionProviderStatus": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
            "traits": {
              "smithy.api#documentation": "<p>Indicates the status of your registered Linux subscription provider
access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions,
\n\t\t\tthis is the status of the offline token.</p>"
            }
          },
          "SubscriptionProviderStatusMessage": {
            "target": "smithy.api#String",
            "traits":
{
              "smithy.api#documentation": "<p>A detailed message that's associated with your BYOL subscription
\n\t\t\tprovider token status.</p>"
            }
          },
          "LastSuccessfulDataRetrievalTime": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The timestamp from the last time that License Manager accessed
third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider.</p>"
            }
          }
```

```
        },
        "traits": {
            "smithy.api#documentation": "<p>A third-party provider for operating system (OS) platform software and
license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider,
License Manager can get subscription data from the registered provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
 {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Unable to find the requested Amazon Web Services resource.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-
\\.]{0,63}:secret:[^/]{1,1023}$"

    }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "InProgress",
                    "value": "InProgress",
                    "documentation": "InProgress status"
                },
                {
                    "name": "Completed",
                    "value": "Completed",
                    "documentation": "Completed status"
                },
```

```
            {
                "name": "Successful",
                "value": "Successful",
                "documentation": "Successful status"
            },
            {
                "name": "Failed",
                "value": "Failed",
                "documentation": "Failed status"
            }
        ]
    }
},

"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String",
        "traits": {
            "smithy.api#length": {
                "min": 1,
                "max": 100
            }
        }
    },
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 100
        },
        "smithy.api#uniqueItems": {}
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
    "type": "map",
    "key": {
        "target": "smithy.api#String"
    },
    "value": {
        "target": "smithy.api#String"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
    "type": "structure",
    "members": {
        "Name":
{
            "target": "smithy.api#String",
```

"traits": {
"smithy.api#documentation": " The name of the subscription. "
}
},
"Type": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS. "
}
},
"InstanceCount": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
"traits": {
"smithy.api#documentation": " The total amount of running instances using this subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " An object which details a discovered Linux subscription. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
"type": "string",
"traits": {
"smithy.api#enum": [

{
"name": "RedHat",
"value": "RedHat",
"documentation": "RedHat subscription provider namespace"
}

```
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "ACTIVE",
                    "value": "ACTIVE",
                    "documentation": "ACTIVE status"
                },
                {
                    "name": "INVALID",
                    "value": "INVALID",

"documentation": "INVALID status"
                },
                {
                    "name": "PENDING",
                    "value": "PENDING",
                    "documentation": "PENDING status"
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
        "type": "list",
        "member": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
        "type": "operation",
        "input": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Add metadata tags to the specified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "PUT",
"uri": "/tags/{resourceArn}"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
"type": "structure",
"members":
{
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to which to add the specified \n\t\t\tmetadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to the Amazon Web Services resource. Tags are \n\t\t\tformatted as key value pairs. ",
"smithy.api#required": {}
}
}
},

"traits": {
"smithy.api#input": {}
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation":
" The request was denied due to request throttling. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"

```
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web
Services resource.</p>",
             "smithy.api#http": {
                "method": "DELETE",
                "uri": "/tags/{resourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
        "type": "structure",
        "members": {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to remove the metadata tags from.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "tagKeys": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
                "traits": {

            "smithy.api#documentation": "<p>A list of metadata tag keys to remove from the requested
\n\t\t\tresource.</p>",
                    "smithy.api#httpQuery": "tagKeys",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
        "type": "structure",
```

```
    "members": {},
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"

 },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Updates the service settings for Linux subscriptions.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/subscription/UpdateServiceSettings"
        },
        "smithy.api#idempotent": {}
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
    "type": "structure",
    "members": {
         "LinuxSubscriptionsDiscovery": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
            "traits": {
                "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
                "smithy.api#required": {}
            }
        },
        "LinuxSubscriptionsDiscoverySettings": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
            "traits": {
```

"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. ",
"smithy.api#required": {}
}
},
"AllowUpdate": {
"target": "smithy.api#Boolean",
"traits": {
"smithy.api#documentation": " Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}

```
        },
            "HomeRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
            "smithy.api#error": "client"
        }
    }
  }
}
```


```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
```

```
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
```

```
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err !=
nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil
{
 return err
```

```
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
DeleteLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
```

ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
GetLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader

```
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
```

```
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string
```

```
 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
```

```
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return
 err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
```

```
 return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
```

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```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata
```

```
 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if
 err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
```

```
 return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil
 {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
```

OperationName: "CheckInLicense",
}
}

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// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }
```

```
 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
```

```
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack,
options, "ListLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack);
```

```
 err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:
     ServiceID,
  OperationName: "ListLicenses",
 }
}
CheckInLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
```

Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "shapes": {
      "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
          "type": "structure",
          "members": {
              "message": {
                  "target": "smithy.api#String"
              }
          },
          "traits": {
              "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
              "smithy.api#error": "client"
          }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
          "type": "structure",
          "members": {
```

"DirectoryId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The directory ID for an Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation":
" Details about an Active Directory identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Associates the user to an EC2 instance to utilize user-based subscriptions. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see <a

href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n
monthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/AssociateUser"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the
EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The identity provider of the user. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",

```
                "traits": {
                  "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
                  "smithy.api#required": {}
                }
              }
            }
          },
          "com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
            "type": "integer"
          },
          "com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
            "type": "structure",
            "members": {
              "message": {
                "target": "smithy.api#String"
              }
            },
            "traits": {
              "smithy.api#documentation": "<p>The request couldn't be completed because it conflicted with the current
state of the\n      resource.</p>",
              "smithy.api#error": "server"
            }
          },
          "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider":
 {
            "type": "operation",
            "input": {
              "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
            },
            "output": {
              "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
            },
            "errors": [
              {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
              },
              {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
              },
              {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
              },
              {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
              },
              {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deregisters the identity provider from providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/DeregisterIdentityProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
        "type": "structure",
        "members": {
            "IdentityProviderSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
                "traits": {
                    "smithy.api#documentation":
 "<p>Metadata that describes the results of an identity provider operation.</p>",
                    "smithy.api#required": {}
                }
```

```
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/DisassociateUser"
            },
            "smithy.api#idempotent": {}
        }

 },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest": {
        "type": "structure",
```

```
        "members": {
          "Username": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
              "smithy.api#required": {}
            }
          },
          "InstanceId": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
              "smithy.api#required": {}
            }
          },
          "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
              "smithy.api#documentation":
 "<p>An object that specifies details for the identity provider.</p>",
              "smithy.api#required": {}
            }
          },
          "Domain": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The domain name of the user.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
        "type": "structure",
        "members": {
          "InstanceUserSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
            "traits": {
              "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
              "smithy.api#required": {}
            }
          }
        }
      },

 "com.amazonaws.licensemanagerusersubscriptions#Filter": {
        "type": "structure",
        "members": {
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"Attribute": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of an attribute to use as a filter. "
}
},
"Operation": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of search (For example, eq, geq, leq) "
}
},
"Value": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Value of the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used
to return more specific results from a describe\n operation. Filters can be used to match a set of resources by
specific criteria, such as tags,\n attributes, or IDs. "
}
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"com.amazonaws.licensemanagerusersubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
}
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"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
"type": "union",
"members": {
"ActiveDirectoryIdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
"traits": {
"smithy.api#documentation": " An object that details an Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation":
" Details about an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
"type": "structure",

"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " An object that details the registered identity providers product related configuration\n settings such as the subnets to provision VPC endpoints. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of an identity provider. ",
"smithy.api#required": {}
}
},
"FailureMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The failure message associated with an identity provider. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an identity provider. "
}
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"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
}

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    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status
 of an EC2 instance resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "Products": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
                    "smithy.api#required": {}
                }
            },
            "LastStatusCheckDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The date of the last status check.</p>"
                }
            },
            "StatusMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
                }

    }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {
        "type": "list",
        "member": {
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"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
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"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits":
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"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a user associated with an EC2 instance. ",
"smithy.api#required": {}
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for users of an EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},

"AssociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was associated with an EC2 instance. "
}
},
"DisassociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was disassociated from an EC2 instance. "
}
}

},
"traits": {
"smithy.api#documentation": " Describes users of an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
"type": "service",

"version": "2018-05-10",
"operations": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
},

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        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"

},
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
        }
      ],
      "traits": {
        "aws.api#service": {
          "sdkId": "License Manager User Subscriptions",
          "arnNamespace": "license-manager-user-subscriptions",
          "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
        },
        "aws.auth#sigv4": {
          "name": "license-manager-user-subscriptions"
         },
        "aws.protocols#restJson1": {},
        "smithy.api#cors": {
          "additionalAllowedHeaders": [
            "*",
            "content-type",
            "x-amz-content-sha256",
            "x-amz-user-agent",
            "x-amzn-platform-id",
            "x-amzn-trace-id",
            "content-length",
```

"x-api-key",
"authorization",
"x-amz-date",
"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"

]
},
"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n a per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"

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            }

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        "rules": [
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                "conditions": [
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                        "fn": "isSet",
                        "argv": [
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                                "ref": "Endpoint"
                            }
                        ]
                    }
                ],
                "type": "tree",
                "rules": [
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    {
                                        "ref": "UseFIPS"
                                    },

                                true
                                ]
                            }
                        ],
                        "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                        "type": "error"
                    },
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    {
                                        "ref": "UseDualStack"
                                    },
                                    true
                                ]
                            }
                        ],

        "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                        "type": "error"
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            },
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              "conditions": [],
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                "url": {
                  "ref": "Endpoint"
                },
                "properties": {},
                "headers": {}
              },
              "type": "endpoint"
            }
          ]
        },
        {
          "conditions": [
            {
              "fn": "isSet",
              "argv": [

    {
                  "ref": "Region"
                }
              ]
            }
          ],
          "type": "tree",
          "rules": [
            {
              "conditions": [
                {
                  "fn": "aws.partition",
                  "argv": [
                    {
                      "ref": "Region"
                    }
                  ],
                  "assign": "PartitionResult"
                }
              ],
              "type": "tree",

  "rules": [
                {
                  "conditions": [
                    {
                      "fn": "booleanEquals",
                      "argv": [
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                    {
                        "ref": "UseFIPS"
                    },
                    true
                ]
            },
            {
                "fn": "booleanEquals",
                "argv": [
                    {
                        "ref": "UseDualStack"

                    },
                    true
                ]
            }
        ],
        "type": "tree",
        "rules": [
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                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {
                                "fn": "getAttr",

"argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsFIPS"
                                ]
                            }
                        ]
                    },
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {

"fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
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"supportsDualStack"
]
}
]
}
],
"type": "tree",
"rules": [
{

"conditions": [],
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
},
{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
]
},
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
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"ref": "UseFIPS"
},
true
]
}
],
"type": "tree",

"rules": [
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"conditions": [
{
"fn": "booleanEquals",

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                "argv": [
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                  {
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                    "argv": [
                      {
                        "ref": "PartitionResult"
                      },
                      "supportsFIPS"

                ]
                  }
                ]
              }
            ],
            "type": "tree",
            "rules": [
              {
                "conditions": [],
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
                  "properties": {},
                  "headers": {}

        },
                "type": "endpoint"
              }
            ]
          },
          {
            "conditions": [],
            "error": "FIPS is enabled but this partition does not support FIPS",
            "type": "error"
          }
        ]
      },
      {
        "conditions": [
          {
            "fn": "booleanEquals",
            "argv": [
              {
                "ref": "UseDualStack"
              },
              true
            ]
          }
```

```
                ],
                "type": "tree",
                "rules": [
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                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    true,
                                    {

                                  "fn": "getAttr",
                                        "argv": [
                                            {
                                                "ref": "PartitionResult"
                                            },
                                            "supportsDualStack"
                                        ]
                                    }
                                ]
                            }
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                        "type": "tree",
                        "rules": [
                            {

                              "conditions": [],
                                "endpoint": {
                                    "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                    "properties": {},
                                    "headers": {}
                                },
                                "type": "endpoint"
                            }
                        ]
                    },
                    {
                        "conditions": [],
                        "error": "DualStack is enabled but this partition does
 not support DualStack",
                        "type": "error"
                    }
                ]
            },
            {
                "conditions": [],
                "endpoint": {
```

"url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
}
]
},
{
"conditions":
[],
"error": "Invalid Configuration: Missing Region",
"type": "error"
}
]
},
"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation":
"For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},

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      {
        "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
          }
        },

      "params": {
          "Region": "us-east-1",
          "UseFIPS": false,
          "UseDualStack": true
        }
      },
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        "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
          }
        },
        "params": {
          "Region": "us-east-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
      },
      {
        "documentation": "For region cn-north-1 with
 FIPS enabled and DualStack enabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
          }
        },
        "params": {
          "Region": "cn-north-1",
          "UseFIPS": true,
          "UseDualStack": true
        }
      },
      {
        "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
          }
```

```
                },

            "params": {
                    "Region": "cn-north-1",
                    "UseFIPS": true,
                    "UseDualStack": false
                }
            },
            {
                "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
                    }
                },
                "params": {
                    "Region": "cn-north-1",
                    "UseFIPS": false,
                    "UseDualStack": true
                }
            },
            {
                "documentation": "For region cn-north-1
with FIPS disabled and DualStack disabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
                    }
                },
                "params": {
                    "Region": "cn-north-1",
                    "UseFIPS": false,
                    "UseDualStack": false
                }
            },
            {
                "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
                    }
                },

        "params": {
                    "Region": "us-gov-east-1",
                    "UseFIPS": true,
                    "UseDualStack": true
                }
```

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            },
            {
              "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
                }
              },
              "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": true,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-gov-east-1
with FIPS disabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
                }
              },
              "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": false,
                "UseDualStack": true
              }
            },
            {
              "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
                }
              },

    "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
              },
              "params": {
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"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect":
{
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack":
true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but

this partition does not support one or both"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}

},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{

"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"

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                }
            },
            {
                "documentation": "Missing region",
                "expect": {
                    "error": "Invalid Configuration: Missing Region"
                }
            }
        ],
        "version": "1.0"
    }
  }
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
  "type": "operation",
  "input": {
    "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
  },
  "output": {
    "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
  },
  "errors": [
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
     },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
    }
  ],
  "traits": {
    "smithy.api#documentation": "<p>Lists the identity providers for user-based subscriptions.</p>",
    "smithy.api#http": {
      "code": 200,
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            "method": "POST",
            "uri": "/identity-provider/ListIdentityProviders"
          },
          "smithy.api#paginated":
{
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
            "items": "IdentityProviderSummaries"
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
        "type": "structure",
        "members": {
          "MaxResults": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse":
{
        "type": "structure",
        "members": {
          "IdentityProviderSummaries": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
            "traits": {
              "smithy.api#documentation": "<p>Metadata that describes the list identity providers operation.</p>",
              "smithy.api#required": {}
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        }
      },
```

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"com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/instance/ListInstances"
        },
        "smithy.api#paginated": {
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
            "items": "InstanceSummaries"
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
    "type": "structure",
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"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
"type": "structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list instances operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"

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        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity
provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/ListProductSubscriptions"
            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "ProductUserSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
        "type": "structure",
        "members": {
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name
```

of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {

"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
"type": "structure",
"members": {
"ProductUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions operation. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "

```
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
          },
          {
            "target":
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
          "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/user/ListUserAssociations"
          },
          "smithy.api#paginated":
{
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
```

"items": "InstanceUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
"type": "structure",
"members": {

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        "InstanceUserSummaries": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
            "traits": {
                "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    }
  },
  "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
    "type": "structure",
    "members": {

    "Username": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
                "smithy.api#required": {}
            }
        },
        "Product": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                "smithy.api#required": {}
            }
        },
        "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
                "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                "smithy.api#required": {}
            }

  },
        "Status": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The status of a product for a user.</p>",
                "smithy.api#required": {}
            }
        },
        "StatusMessage": {
```

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for a product for a user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},
"SubscriptionStartDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The
start date of a subscription. "
}
},
"SubscriptionEndDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The end date of a subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " The summary of the user-based subscription products for a user. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Registers an identity provider for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/RegisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",

"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings such as the\n subnets to provision VPC endpoints. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary":
{
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The resource couldn't be found. ",
"smithy.api#error": "client",
"smithy.api#httpError": 404
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
"type": "string",

"traits": {
"smithy.api#length": {
"min": 5,
"max": 200
},
"smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
"type": "structure",
"members": {

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            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The request failed because a service quota is exceeded.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Settings": {
        "type": "structure",
        "members": {
            "Subnets": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
                "traits": {
                    "smithy.api#documentation":
 "<p>The subnets defined for the registered identity provider.</p>",
                    "smithy.api#length": {
                        "min": 1
                    },
                    "smithy.api#required": {}
                }
            },
            "SecurityGroupId": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
                "traits": {
                    "smithy.api#documentation": "<p>A security group ID that allows inbound TCP port 1688
communication between resources in\n      your VPC and the VPC endpoint for activation servers.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The registered identity providers product related configuration settings
such as the\n      subnets to provision VPC endpoints, and the security group ID that
 is associated with the VPC\n      endpoints. The security group should permit inbound TCP port 1688
communication from resources\n      in the VPC.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
        },
        "errors": [
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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Starts a product subscription for a user with the specified identity
provider.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related costs
will take 48\n        hours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing status)
in Amazon Web Services Billing.
 For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n          monthly
charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/StartProductSubscription"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
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"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"

},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Stops a product subscription for a user with the specified identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StopProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required":
{}
}
},
"Product": {
"target": "smithy.api#String",

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            "traits": {
                "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                "smithy.api#required": {}
            }
        },
        "Domain": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The domain name of the user.</p>"
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
    "type": "structure",
    "members": {
        "ProductUserSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
            "traits": {
                "smithy.api#documentation":
"<p>Metadata that describes the start product subscription operation.</p>",
                "smithy.api#required": {}
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#StringList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#Subnet": {
    "type": "string",
    "traits": {
        "smithy.api#pattern": "subnet-[a-z0-9]{8,17}"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#Subnets": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
    "type": "structure",
    "members": {
        "message": {
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"target": "smithy.api#String"
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"traits": {
"smithy.api#documentation": " The request was denied because of request throttling. Retry the request. ",
"smithy.api#error": "client"
}
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"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
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"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
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"errors": [
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"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
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"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
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"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
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"traits": {
"smithy.api#documentation": " Updates additional product configuration settings for the registered identity\n provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/UpdateIdentityProviderSettings"
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"smithy.api#idempotent": {}
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"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
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"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",

"traits": {
"smithy.api#required": {}
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"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"UpdateSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related configuration settings. You can\n update any combination of settings in a single operation such as the: \n \n \n Subnets which you want to add to provision VPC endpoints. \n \n \n Subnets which you want to remove the VPC endpoints from. \n \n \n Security group ID which permits traffic to the VPC endpoints. \n \n ",
"smithy.api#required": {}
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"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#required": {}
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"com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
"type": "structure",
"members": {
"AddSubnets": {

"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets in which License Manager will create a VPC endpoint for products that\n require connectivity to activation servers. ",
"smithy.api#required": {}
}
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"RemoveSubnets": {

"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets to remove. ",
"smithy.api#required": {}
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"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID
that allows inbound TCP port 1688 communication between resources in\n your VPC and the VPC endpoints for activation servers. "
}
}
},
"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related configuration settings such as\n the subnets to provision VPC endpoints. "
}
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"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
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"traits": {
"smithy.api#documentation": " A parameter is not valid. ",
"smithy.api#error": "client"
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"smithy": "2.0",
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"namespace": "*"
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"id": "HttpResponseCodeSemantics",
"namespace": "*"
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"id": "PaginatedTrait",

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            "namespace": "*"
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            "id": "HttpUriConflict",
            "namespace": "*"
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            "id": "Service",
            "namespace": "*"
        }
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"shapes": {
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        "type": "service",
        "version": "2018-08-01",
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                "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
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                "target": "com.amazonaws.licensemanager#CreateGrantVersion"
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                "target": "com.amazonaws.licensemanager#CreateLicense"
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                "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
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                "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
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      "target": "com.amazonaws.licensemanager#CreateToken"
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      "target": "com.amazonaws.licensemanager#DeleteToken"
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      "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

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      "target": "com.amazonaws.licensemanager#GetGrant"
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      "target": "com.amazonaws.licensemanager#GetLicense"
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      "target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
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      "target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
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      "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
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"target": "com.amazonaws.licensemanager#GetServiceSettings"
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"target": "com.amazonaws.licensemanager#ListDistributedGrants"
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"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
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"target": "com.amazonaws.licensemanager#UpdateServiceSettings"
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"arnNamespace": "license-manager",
"cloudFormationName": "LicenseManager",
"cloudTrailEventSource": "licensemanager.amazonaws.com",
"endpointPrefix": "license-manager"
},
"aws.auth#sigv4": {
"name": "license-manager"
},
"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"

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        },
        "smithy.rules#endpointRuleSet": {
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              "builtIn": "AWS::Region",
              "required": false,
              "documentation": "The AWS region used to dispatch the request.",
              "type": "String"
            },
            "UseDualStack": {
              "builtIn": "AWS::UseDualStack",
              "required": true,
              "default": false,
              "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
              "type": "Boolean"
            },
            "UseFIPS": {
              "builtIn": "AWS::UseFIPS",
              "required": true,
              "default": false,
              "documentation": "When true, send
 this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant
endpoint, dispatching the request will return an error.",
              "type": "Boolean"
            },
            "Endpoint": {
              "builtIn": "SDK::Endpoint",
              "required": false,
              "documentation": "Override the endpoint used to send this request",
              "type": "String"
            }
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                  "argv": [
                    {
                      "ref": "Endpoint"
                    }
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              "type": "tree",
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                    "argv": [
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                        "ref": "UseFIPS"
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                "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                "type": "error"
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                    "fn": "booleanEquals",
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                    ]
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                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                "type": "error"
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                "conditions": [],
                "endpoint": {
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                    "ref": "Endpoint"
                  },
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                },
                "type": "endpoint"
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          {
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                "argv": [
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            "rules": [
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                    "argv": [
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                        "ref": "Region"
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                    "assign": "PartitionResult"
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                "rules": [
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                        "argv": [
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                          },
                          true
                        ]
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                        "argv": [
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                            "ref": "UseDualStack"
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                          true
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                                    {
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                                        ]
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                                ]
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fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
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                                    "headers": {}

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                                "type": "endpoint"
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```

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both",
                "type": "error"
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            }
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                                        "ref": "PartitionResult"
                                    },
                                    "supportsFIPS"
                                ]
                            }
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                            "headers": {}
                        },
                        "type": "endpoint"
                    }
                ]
            },
            {
                "conditions": [],
                "error": "FIPS is enabled but this
partition does not support FIPS",
                "type": "error"
            }
        ]
    },
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                "fn": "booleanEquals",
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                                "argv": [
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                                        "ref": "PartitionResult"
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"supportsDualStack"
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manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
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                                "type": "endpoint"
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                        "conditions": [],
                        "error": "DualStack is enabled but this partition does not support DualStack",
                        "type": "error"
                    }
                ]
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                "conditions": [],
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                     "properties": {},
                    "headers": {}
                },
                "type": "endpoint"
            }
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{
    "conditions": [],
    "error": "Invalid Configuration: Missing Region",
    "type": "error"
}
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"smithy.rules#endpointTests": {
    "testCases": [
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  "params": {
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    "UseFIPS": false,
    "UseDualStack": false
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    "UseFIPS": false,
    "UseDualStack": false
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  "params": {
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    "UseDualStack": false
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"params": {
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"UseFIPS": false,
"UseDualStack": false
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"params": {
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"params": {
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"UseFIPS": false,
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"documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",

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"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
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"params": {
"Region": "ap-southeast-3",
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"UseDualStack": false
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"params": {
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"Region": "eu-west-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
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"params": {
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"params": {
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},
"params": {
"Region": "us-west-2",
"UseFIPS": false,
"UseDualStack": false

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            }
        },
        {
            "documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",

"expect": {
                "endpoint": {
                    "url": "https://license-manager-fips.us-west-2.amazonaws.com"
                }
            },
            "params": {
                "Region": "us-west-2",
                "UseFIPS": true,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-fips.us-east-1.api.aws"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": true,

                "UseDualStack": true
            }
        },
        {
            "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.us-east-1.api.aws"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": true
            }
        },
        {
            "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url":
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"https://license-manager.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-northwest-1",
"UseFIPS": false,
"UseDualStack": false

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},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
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{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}

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      },
      {
        "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
          }
        },
        "params": {
          "Region": "cn-north-1",
          "UseFIPS": false,
          "UseDualStack": true
        }
      },

    {
        "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.us-gov-east-1.amazonaws.com"
          }
        },
        "params": {
          "Region": "us-gov-east-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
      },
      {
        "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
          }
         },
        "params": {
          "Region": "us-gov-east-1",
          "UseFIPS": true,
          "UseDualStack": false
        }
      },
      {
        "documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.us-gov-west-1.amazonaws.com"
          }
        },
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"params": {
"Region": "us-gov-west-1",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation":
"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-west-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.api.aws"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
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{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}

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      },
      {
        "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
          }
        },
        "params": {
          "Region": "us-isob-east-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
      },

    {
        "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
          "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
        },
        "params": {
          "Region": "us-isob-east-1",
          "UseFIPS": true,
          "UseDualStack": true
        }
      },
      {
        "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
          }
        },

"params": {
          "Region": "us-isob-east-1",
          "UseFIPS": true,
          "UseDualStack": false
        }
      },
      {
        "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
        "expect": {
          "error": "DualStack is enabled but this partition does not support DualStack"
        },
        "params": {
          "Region": "us-isob-east-1",
          "UseFIPS": false,
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"UseDualStack": true
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,

"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {

"error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
"output": {
"target": "com.amazonaws.licensemanager#AcceptGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"

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            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"

    }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant
ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
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"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#AccessDeniedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
"httpResponseCode": 401
},
"smithy.api#documentation": " Access to resource denied. ",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
"type": "enum",
"members": {
"DISTRIBUTED_GRANTS_ONLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
}
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperation": {

"type": "enum",
"members": {
"CREATE_GRANT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateGrant"
}

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            },
            "CHECKOUT_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckoutLicense"
                }
            },
            "CHECKOUT_BORROW_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckoutBorrowLicense"
                }
            },
            "CHECK_IN_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckInLicense"
                }
            },
            "EXTEND_CONSUMPTION_LICENSE":
{
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ExtendConsumptionLicense"
                }
            },
            "LIST_PURCHASED_LICENSES": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ListPurchasedLicenses"
                }
            },
            "CREATE_TOKEN": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CreateToken"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#AllowedOperationList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#AllowedOperation"
        },
        "traits": {
            "smithy.api#length": {
                "min": 1,
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"max":
7
}
}
},
"com.amazonaws.licensemanager#Arn": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 2048
},
"smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
}
},
"com.amazonaws.licensemanager#ArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
}
},
"com.amazonaws.licensemanager#AuthorizationException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError":
{
"code": "AuthorizationFailure",
"httpResponseCode": 403
},
"smithy.api#documentation": " The Amazon Web Services user account does not have permission to perform the action. Check the IAM\n policy associated with this account. ",
"smithy.api#error": "client",
"smithy.api#httpError": 403
}
},
"com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
"type": "structure",
"members": {
"LastRunTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time that automated discovery last ran. "

```
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Describes automated discovery.</p>"
        }
      },

  "com.amazonaws.licensemanager#Boolean": {
        "type": "boolean",
        "traits": {
          "smithy.api#default": false
        }
      },
      "com.amazonaws.licensemanager#BorrowConfiguration": {
        "type": "structure",
        "members": {
          "AllowEarlyCheckIn": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
              "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
              "smithy.api#required": {}
            }
          },
          "MaxTimeToLiveInMinutes": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
              "smithy.api#required": {}
            }
          }

},
        "traits": {
          "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
        }
      },
      "com.amazonaws.licensemanager#BoxBoolean": {
        "type": "boolean"
      },
      "com.amazonaws.licensemanager#BoxInteger": {
        "type": "integer"
      },
      "com.amazonaws.licensemanager#BoxLong": {
        "type": "long"
      },
      "com.amazonaws.licensemanager#CheckInLicense": {
        "type": "operation",
```

```
        "input": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"

    },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseRequest":
 {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}
                }
```

```
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
            },
```

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            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
        "type": "structure",
        "members":
 {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must
use the borrow consumption configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
                    "smithy.api#required": {}
                }
            },
            "DigitalSignatureMethod": {
                "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
                "traits": {
                    "smithy.api#documentation": "<p>Digital signature method. The possible
 value is JSON Web Signature (JWS) algorithm PS384.\n        For more information, see <a
href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS</a>.</p>",
                    "smithy.api#required": {}
                }
            },
```

```
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },
            "EntitlementsAllowed":
{
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
                }
            },
            "NodeId": {
```

```
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "SignedToken": {
                "target": "com.amazonaws.licensemanager#SignedToken",
                "traits": {
                    "smithy.api#documentation": "<p>Signed token.</p>"
                }
            },
            "IssuedAt": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
                }
            },
            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license. \n <note>\n If the account that created the license is the same that is performing the check out, you must\n specify the account as the beneficiary. \n </note>"
}
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
"type": "structure",
"members": {
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {

"smithy.api#documentation": " Checkout type. ",
"smithy.api#required": {}
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Key fingerprint identifying the license. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
"type": "structure",
"members": {

"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. "
}
},
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},
"EntitlementsAllowed": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " Allowed license entitlements. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and
time at which the license checkout expires. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the checkout license. "
}

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        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CheckoutType": {
    "type": "enum",
    "members": {
        "PROVISIONAL": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PROVISIONAL"
            }
        },
        "PERPETUAL": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PERPETUAL"
            }
        }
    }
},
"com.amazonaws.licensemanager#ClientRequestToken": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 36
        }
    }
},
"com.amazonaws.licensemanager#ClientToken": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 2048
        },
        "smithy.api#pattern": "^\\S+$"
    }
},
"com.amazonaws.licensemanager#ConflictException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
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        },
        "traits": {
          "aws.protocols#awsQueryError": {
            "code": "ConflictException",
            "httpResponseCode":
 409
          },
          "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 409
        }
      },
      "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
        "type": "structure",
        "members": {
          "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
              "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
            }
          },
          "ConsumedLicenses": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
              "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
            }
          }
        },

 "traits": {
          "smithy.api#documentation": "<p>Details about license consumption.</p>"
        }
      },
      "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
        }
      },
      "com.amazonaws.licensemanager#ConsumptionConfiguration": {
        "type": "structure",
        "members": {
          "RenewType": {
            "target": "com.amazonaws.licensemanager#RenewType",
            "traits": {
              "smithy.api#documentation": "<p>Renewal frequency.</p>"
            }
```

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            },
            "ProvisionalConfiguration": {
                "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
                }
            },
            "BorrowConfiguration": {
                "target": "com.amazonaws.licensemanager#BorrowConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
```

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            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of license\n        entitlements with a specific Amazon Web Services account, an organization, or an\n organizational unit (OU). For more
 information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>",
                    "smithy.api#required": {}

    }
            },
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Principals": {
                "target": "com.amazonaws.licensemanager#PrincipalArnList",
                "traits": {
                    "smithy.api#documentation": "<p>The grant principals. You can specify one of the following as an Amazon Resource Name\n        (ARN):</p>\n        <ul>\n            <li>\n                <p>An Amazon Web Services account, which includes only the account specified.</p>\n            </li>\n        </ul>\n        <ul>\n            <li>\n
    <p>An organizational unit (OU), which includes all accounts in the OU.</p>\n            </li>\n        </ul>\n <ul>\n
            <li>\n                <p>An organization, which will include all accounts across your organization.</p>\n </li>\n        </ul>",
                    "smithy.api#required": {}
                }
```

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        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Home Region of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "AllowedOperations": {
            "target": "com.amazonaws.licensemanager#AllowedOperationList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersion":
```

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{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
             },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information, see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",

    "smithy.api#required": {}
                }
```

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    },
    "GrantArn": {
        "target": "com.amazonaws.licensemanager#Arn",
        "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
            "smithy.api#required": {}
        }
    },
    "GrantName": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Grant name.</p>"
        }
    },
    "AllowedOperations": {
        "target": "com.amazonaws.licensemanager#AllowedOperationList",
        "traits": {
            "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
        }
    },
    "Status": {
        "target": "com.amazonaws.licensemanager#GrantStatus",
         "traits": {
            "smithy.api#documentation": "<p>Grant status.</p>"
        }
    },
    "StatusReason": {
        "target": "com.amazonaws.licensemanager#StatusReasonMessage",
        "traits": {
            "smithy.api#documentation": "<p>Grant status reason.</p>"
        }
    },
    "SourceVersion": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Current version of the grant.</p>"
        }
    },
    "Options": {
        "target": "com.amazonaws.licensemanager#Options",
        "traits": {
            "smithy.api#documentation": "<p>The options specified for the grant.</p>"
        }
    }
},
 "traits": {
    "smithy.api#input": {}
}
```

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    },
    "com.amazonaws.licensemanager#CreateGrantVersionResponse": {
      "type": "structure",
      "members": {
        "GrantArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>Grant ARN.</p>"
          }
        },
        "Status": {
          "target": "com.amazonaws.licensemanager#GrantStatus",
          "traits": {
            "smithy.api#documentation": "<p>Grant status.</p>"
          }
        },
        "Version": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>New version of the grant.</p>"
          }
        }
      },
      "traits":
{
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#CreateLicense": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
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            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration
is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager.
Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU),
allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or
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all of these), license affinity to host (how long a \n license must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension used to track the license inventory. ",
"smithy.api#required": {}
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether hard or soft license enforcement is used. Exceeding a hard limit\n blocks the launch of new instances. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows. \n \n \n \n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> |

<code>minimumCores</code>\n \n \n \n \n
<code>Instances</code> dimension: <code>allowedTenancy</code> | \n <code>maximumCores</code> |
<code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n
<code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n
\n
\n <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n
<code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> |
<code>minimumSockets</code>\n \n \n \n \n
<code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n
<code>honorVcpuOptimization</code> | \n <code>maximumVcpus</code> |
<code>minimumVcpus</code>\n \n \n \n The unit for
<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for
<code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n
<code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n
<code>True</code> and <code>False</code>. "
}
},

"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the license configuration. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is
uninstalled. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
{
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",

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            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
    }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
    "type": "structure",
    "members": {
        "ResourceArn": {

            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
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"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource you are converting the license type for. ",
"smithy.api#required": {}
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
},
"DestinationLicenseContext":
{
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting to. For the structure of the destination license, see Convert a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

"traits": {
"smithy.api#documentation": " The ID of the created license type conversion task. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
"type": "operation",

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        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "ReportGeneratorName":
{
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
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"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports to generate. The following report types an be generated: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}

}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "
}
}
},

"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the new report
generator. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseRequest": {
"type": "structure",
"members": {
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product
name. ",
"smithy.api#required": {}
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits": {

"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region for the license. ",
"smithy.api#required": {}

}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}

```
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>"
                }
            },
            "Version": {
                 "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersion": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
        },
```

```
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#ConflictException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#RedirectException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target":
"com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
              "smithy.api#required": {}
            }
          },
          "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>License name.</p>",
              "smithy.api#required": {}
            }
          },
```

"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits":
{
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the license. ",
"smithy.api#required": {}
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for

workloads with offline\n usage. ",
"smithy.api#required": {}
}
},

"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the license. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New version of the license. "
}
},
"Status": {

"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
}
},
"traits": {
"smithy.api#output":
{}
}
},
"com.amazonaws.licensemanager#CreateToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a long-lived token. \n A refresh token is a JWT

token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license. "
}
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits":
{
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token. ",
"smithy.api#required": {}
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n License Manager does not check whether the roles are in use. "
}
},
"ExpirationInDays": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Token expiration, in days, counted from token creation. The default is 365 days. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Idempotency token, valid for 10 minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

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},
"com.amazonaws.licensemanager#CreateTokenResponse": {
    "type": "structure",
    "members": {
        "TokenId": {
            "target": "com.amazonaws.licensemanager#String",

            "traits": {
                "smithy.api#documentation": "<p>Token ID.</p>"
            }
        },
        "TokenType": {
            "target": "com.amazonaws.licensemanager#TokenType",
            "traits": {
                "smithy.api#documentation": "<p>Token type.</p>"
            }
        },
        "Token": {
            "target": "com.amazonaws.licensemanager#TokenString",
            "traits": {
                "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
        "Begin": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Start of the time range.</p>",
                "smithy.api#required": {}
            }
        },
        "End": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>End of the time range.</p>"
            }
        }
    },
```

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        "traits": {
            "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
```

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            }
          },
          "StatusReason": {
            "target": "com.amazonaws.licensemanager#StatusReasonMessage",
            "traits": {
              "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Current version of the
grant.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#DeleteGrantResponse": {
        "type": "structure",
        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
              "smithy.api#documentation": "<p>Grant status.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation":
"<p>Grant version.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
```

"com.amazonaws.licensemanager#DeleteLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license configuration. \n You cannot delete a license configuration that is in use. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the license configuration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified report generator. \n This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator to be deleted. ",
"smithy.api#required": {}
}
}

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        },
        "traits": {

 "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the license.</p>",
                    "smithy.api#required":
{}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseResponse": {
        "type": "structure",
        "members": {
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>"
                }
            },
            "DeletionDate": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
```

"smithy.api#documentation": " Date when the license is deleted. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},

{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified token. Must be called in the license home Region. "
}
},
"com.amazonaws.licensemanager#DeleteTokenRequest": {
"type": "structure",
"members": {

"TokenId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token ID. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteTokenResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}

}
},
"com.amazonaws.licensemanager#DigitalSignatureMethod": {
"type": "enum",
"members": {
"JWT_PS384": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "JWT_PS384"
}
}
}
},
"com.amazonaws.licensemanager#Entitlement": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement resource. Use only
if the unit is None. "
}
},

"MaxCount": {
"target": "com.amazonaws.licensemanager#Long",
"traits": {
"smithy.api#documentation": " Maximum entitlement count. Use if the unit is not None. "
}
},
"Overage": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether overages are allowed. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementUnit",
"traits": {
"smithy.api#documentation": " Entitlement unit. ",
"smithy.api#required": {}
}
},
"AllowCheckIn": {
"target":
"com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether check-ins are allowed. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a resource entitled for use with a license. "
}
},
"com.amazonaws.licensemanager#EntitlementData": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement data name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement
data value. "
}
},

```
            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement data unit.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementDataList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementData"
        }
    },
    "com.amazonaws.licensemanager#EntitlementDataUnit": {
        "type": "enum",
        "members": {
            "COUNT": {
                "target": "smithy.api#Unit",
                "traits": {

"smithy.api#enumValue": "Count"
                }
            },
            "NONE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "None"
                }
            },
            "SECONDS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Seconds"
                }
            },
            "MICROSECONDS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Microseconds"
                }
            },
            "MILLISECONDS": {
                "target": "smithy.api#Unit",
```

"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"

}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},

"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},
"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementList": {
"type": "list",
"member": {

"target": "com.amazonaws.licensemanager#Entitlement"
}
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The entitlement is not allowed. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#EntitlementUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"
}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target":
"smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {

"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},

"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementUsage": {
"type": "structure",
"members": {

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            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement usage name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ConsumedValue": {
                "target": "com.amazonaws.licensemanager#String",

           "traits": {
                    "smithy.api#documentation": "<p>Resource usage consumed.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxCount": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
                }
            },
            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementUsageList":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementUsage"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumption": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
        },
```

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        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
           },
          {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
        }
      },
      "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
        "type": "structure",
        "members": {
          "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>License consumption token.</p>",
              "smithy.api#required": {}

       }
          },
          "DryRun": {
            "target": "com.amazonaws.licensemanager#Boolean",
            "traits": {
              "smithy.api#default": false,
              "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action,
without actually making the request. Provides an error response if you do not have the required permissions.</p>"
            }
          }
        },
        "traits": {
```

```
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },

            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#FailedDependencyException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            },
            "ErrorCode": {
                "target": "com.amazonaws.licensemanager#String"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "FailedDependency",
                "httpResponseCode": 424
            },
            "smithy.api#documentation":
"<p>A dependency required to run the API is missing.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 424
        }
    },
    "com.amazonaws.licensemanager#Filter": {
        "type": "structure",
        "members": {
```

"Name": {
"target": "com.amazonaws.licensemanager#FilterName",
"traits": {
"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used to return more specific results from a\n describe operation. Filters can be used to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FilterLimitExceeded",
"httpResponseCode": 400
},
"smithy.api#documentation": " The request uses too many filters or too many filter values. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Filter"
}
},
"com.amazonaws.licensemanager#FilterName": {
"type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
"type": "string"

```
    },
    "com.amazonaws.licensemanager#FilterValues": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#FilterValue",
            "traits": {
                "smithy.api#xmlName": "item"
            }
        }
    },
    "com.amazonaws.licensemanager#Filters": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Filter",
            "traits": {
                "smithy.api#xmlName": "item"
            }
        }
    },
    "com.amazonaws.licensemanager#GetAccessToken": {
        "type": "operation",
        "input": {
             "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
```

tokens\n are valid for one hour. "
}
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
"type": "structure",
"members": {
"Token": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Refresh token, encoded as a JWT token. ",
"smithy.api#required": {}
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Token properties to validate against those present in the JWT token. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetAccessTokenResponse": {
"type": "structure",
"members": {
"AccessToken": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Temporary access token. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetGrantResponse"
},

```
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"

    },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
```

```
},
"com.amazonaws.licensemanager#GetGrantResponse": {
    "type": "structure",
    "members": {
        "Grant": {
            "target": "com.amazonaws.licensemanager#Grant",
            "traits": {
                "smithy.api#documentation": "<p>Grant details.</p>"
            }
        }
    },
    "traits": {

"smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"

 },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
    }
```

```
    },
    "com.amazonaws.licensemanager#GetLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the specified license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits":
 {
            "smithy.api#input": {}
        }
    },
```

```
"com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
  "type": "structure",
  "members": {
    "LicenseConfigurationId": {
      "target": "com.amazonaws.licensemanager#String",
      "traits": {
        "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
      }
    },
    "LicenseConfigurationArn": {
      "target": "com.amazonaws.licensemanager#String",
      "traits": {
        "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
      }
    },
    "Name": {
      "target": "com.amazonaws.licensemanager#String",
      "traits": {
        "smithy.api#documentation": "<p>Name of the license configuration.</p>"
       }
    },
    "Description": {
      "target": "com.amazonaws.licensemanager#String",
      "traits": {
        "smithy.api#documentation": "<p>Description of the license configuration.</p>"
      }
    },
    "LicenseCountingType": {
      "target": "com.amazonaws.licensemanager#LicenseCountingType",
      "traits": {
        "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
      }
    },
    "LicenseRules": {
      "target": "com.amazonaws.licensemanager#StringList",
      "traits": {
        "smithy.api#documentation": "<p>License rules.</p>"
      }
    },
    "LicenseCount": {
      "target": "com.amazonaws.licensemanager#BoxLong",

     "traits": {
        "smithy.api#documentation": "<p>Number of available licenses.</p>"
      }
    },
    "LicenseCountHardLimit": {
      "target": "com.amazonaws.licensemanager#BoxBoolean",
```

"traits": {
"smithy.api#documentation": " Sets the number of available licenses as a hard limit. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses assigned to resources. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License configuration status. "
}

},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner of the license configuration. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {

"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When
true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified license type conversion task. "
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {

"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted to. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "

```
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
            "traits": {
              "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
            }
          },

  "StartTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
            }
          },
          "LicenseConversionTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
            }
          },
          "EndTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Time at which the license type conversion task was
completed.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
 {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

          },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
                    "smithy.api#required":
{}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {
            "ReportGenerator": {
                "target": "com.amazonaws.licensemanager#ReportGenerator",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
```

configurations. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseResponse": {
"type": "structure",
"members": {
"License": {
"target": "com.amazonaws.licensemanager#License",
"traits": {
"smithy.api#documentation": " License details. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},

"com.amazonaws.licensemanager#GetLicenseUsage": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the usage of the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseUsageRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseUsageResponse": {
"type": "structure",
"members": {

```
            "LicenseUsage": {
                "target":
"com.amazonaws.licensemanager#LicenseUsage",
                "traits": {
                    "smithy.api#documentation": "<p>License usage details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsRequest": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
```

"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Regional S3 bucket path for storing reports, license trail event data, discovery data,\n and so on. "

}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " SNS topic configured to receive notifications from License Manager. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Indicates whether Organizations is integrated with License Manager for\n cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether cross-account discovery is enabled. "
}

},
"LicenseManagerResourceShareArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource share. The License Manager management account \n provides member accounts with access to this share. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Grant": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",

"smithy.api#required": {}
}
},
"GrantName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}
}
},
"ParentArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",
"smithy.api#required": {}
}
},
"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {

"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. ",
"smithy.api#required": {}
}
},
"GrantedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Granted operations. ",
"smithy.api#required": {}
}
},
"Options": {
"target": "com.amazonaws.licensemanager#Options",
"traits": {
"smithy.api#documentation": " The options specified for the grant. "
}
}
},
"traits": {
"smithy.api#documentation":
" Describes a grant. "
}
},
"com.amazonaws.licensemanager#GrantList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Grant"
}
},
"com.amazonaws.licensemanager#GrantStatus": {
"type": "enum",
"members": {
"PENDING_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_WORKFLOW"
}
},
"PENDING_ACCEPT": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "PENDING_ACCEPT"
}
},
"REJECTED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REJECTED"

}
},
"ACTIVE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ACTIVE"
}
},
"FAILED_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED_WORKFLOW"
}
},
"DELETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DELETED"
}
},
"PENDING_DELETE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_DELETE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "DISABLED"
}
},
"WORKFLOW_COMPLETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WORKFLOW_COMPLETED"
}
}

```
        }
    },
    "com.amazonaws.licensemanager#GrantedLicense": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>"
                }

},
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product name.</p>"
                }
            },
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product SKU.</p>"
                }
            },
            "Issuer": {
                "target": "com.amazonaws.licensemanager#IssuerDetails",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license issuer.</p>"
                }
            },
            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region of the granted license.</p>"

             }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license status.</p>"
                }
```

```
            },
            "Validity": {
                "target": "com.amazonaws.licensemanager#DatetimeRange",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in
ISO8601-UTC format.</p>"
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementList",
                 "traits": {
                    "smithy.api#documentation": "<p>License entitlements.</p>"
                }
            },
            "ConsumptionConfiguration": {
                "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
                }
            },
            "LicenseMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license metadata.</p>"
                }
            },
            "CreateTime": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Creation time of the granted license.</p>"

    }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Version of the granted license.</p>"
                }
            },
            "ReceivedMetadata": {
                "target": "com.amazonaws.licensemanager#ReceivedMetadata",
                "traits": {
```

"smithy.api#documentation": " Granted license received metadata. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a license that is granted to a grantee. "
}
},
"com.amazonaws.licensemanager#GrantedLicenseList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#GrantedLicense"
}
},
"com.amazonaws.licensemanager#ISO8601DateTime":
{
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$"
}
},
"com.amazonaws.licensemanager#Integer": {
"type": "integer"
},
"com.amazonaws.licensemanager#InvalidParameterValueException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidParameterValueProvided",
"httpResponseCode": 400
},
"smithy.api#documentation":
" One or more parameter values are not valid. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#InvalidResourceStateException": {

```
        "type": "structure",
        "members": {
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "aws.protocols#awsQueryError": {
            "code": "InvalidResourceState",
            "httpResponseCode": 400
          },
          "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n        <p>For example, you cannot allocate a license to an instance in the process of shutting\n
down.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 400
        }
      },

      "com.amazonaws.licensemanager#InventoryFilter": {
        "type": "structure",
        "members": {
          "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Name of the filter.</p>",
              "smithy.api#required": {}
            }
          },
          "Condition": {
            "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
            "traits": {
              "smithy.api#documentation": "<p>Condition of the filter.</p>",
              "smithy.api#required": {}
            }
          },
          "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Value of the filter.</p>"
            }
          }

    },
        "traits": {
          "smithy.api#documentation": "<p>An inventory filter.</p>"
        }
      },
```

```
"com.amazonaws.licensemanager#InventoryFilterCondition": {
    "type": "enum",
    "members": {
        "EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EQUALS"
            }
        },
        "NOT_EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "NOT_EQUALS"
            }
        },
        "BEGINS_WITH": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "BEGINS_WITH"
            }
        },
        "CONTAINS": {
            "target": "smithy.api#Unit",
            "traits": {
                 "smithy.api#enumValue": "CONTAINS"
            }
        }
    }
},
"com.amazonaws.licensemanager#InventoryFilterList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#InventoryFilter"
    }
},
"com.amazonaws.licensemanager#Issuer": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Issuer name.</p>",
                "smithy.api#required": {}
            }
        },
        "SignKey": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the issuer of a license. "
}
},
"com.amazonaws.licensemanager#IssuerDetails": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. "
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer key fingerprint. "
}
}
},
"traits": {
"smithy.api#documentation": " Details associated with the issuer of a license. "
}
},
"com.amazonaws.licensemanager#License": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " License name. "
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " License issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Home Region of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "

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            }
        },
        "Entitlements": {

  "target": "com.amazonaws.licensemanager#EntitlementList",
            "traits": {
                "smithy.api#documentation": "<p>License entitlements.</p>"
            }
        },
        "ConsumptionConfiguration": {
            "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
            }
        },
        "LicenseMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
                "smithy.api#documentation": "<p>License metadata.</p>"
            }
        },
        "CreateTime": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>License
creation time.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
    "type": "structure",
    "members": {
        "LicenseConfigurationId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
            }
        },
```

"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension to use to track the license inventory. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Number of available licenses as a hard limit. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}

```
    },
    "ConsumedLicenses": {
        "target": "com.amazonaws.licensemanager#BoxLong",
        "traits": {
            "smithy.api#documentation": "<p>Number of licenses consumed. </p>"
        }
    },
    "Status": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Status of the license configuration.</p>"
        }
    },
    "OwnerAccountId": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Account ID of the license configuration's owner.</p>"

   }
    },
    "ConsumedLicenseSummaryList": {
        "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
        "traits": {
            "smithy.api#documentation": "<p>Summaries for licenses consumed by various resources.</p>"
        }
    },
    "ManagedResourceSummaryList": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
        "traits": {
            "smithy.api#documentation": "<p>Summaries for managed resources.</p>"
        }
    },
    "ProductInformationList": {
        "target": "com.amazonaws.licensemanager#ProductInformationList",
        "traits": {
            "smithy.api#documentation": "<p>Product information.</p>"
        }
    },
    "AutomatedDiscoveryInformation": {

        "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
        "traits": {
            "smithy.api#documentation": "<p>Automated discovery information.</p>"
        }
    }
},
"traits": {
    "smithy.api#documentation": "<p>A license configuration is an abstraction of a customer license
```

agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
"type": "structure",
"members": {
"ResourceArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of server resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Time when the license configuration was associated with the resource. "
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an association with a license configuration. "
}
},

```
    "com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationStatus": {
        "type": "enum",
        "members":
{
            "AVAILABLE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "AVAILABLE"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DISABLED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationUsage": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceStatus": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Status of the resource.</p>"
                }
            },
            "ResourceOwnerId": {
                "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the usage of a resource associated with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
}
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfiguration"
}
},
"com.amazonaws.licensemanager#LicenseConversionContext": {

"type": "structure",
"members": {
"UsageOperation": {
"target": "com.amazonaws.licensemanager#UsageOperation",
"traits": {
"smithy.api#documentation": " The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\n \n "
}

```
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTask": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {

     "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the license type conversion task.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource associated
with the license type\n        conversion task.</p>"
                }
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license type this conversion task converted
from.</p>"
                }
            },
            "DestinationLicenseContext": {
                "target":
 "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
                "traits": {
                    "smithy.api#documentation": "<p>The status of the conversion task.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
```

```
            }
        },
        "StartTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation":
 "<p>The time the conversion task was started at.</p>"
            }
        },
        "LicenseConversionTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
            }
        },
        "EndTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
    "type": "string",
    "traits": {

    "smithy.api#length": {
            "min": 0,
            "max": 50
        },
        "smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
    }
},
"com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
    "type": "enum",
    "members": {
        "IN_PROGRESS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "IN_PROGRESS"
            }
        },
        "SUCCEEDED": {
```

```
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SUCCEEDED"
            }
        },
        "FAILED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseConversionTasks":
{
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#LicenseConversionTask"
    }
},
"com.amazonaws.licensemanager#LicenseCountingType": {
    "type": "enum",
    "members": {
        "VCPU": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "vCPU"
            }
        },
        "INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Instance"
            }
        },
        "CORE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Core"
            }
        },
        "SOCKET": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "Socket"
            }
        }
    }
```

```
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
    "type": "enum",
    "members": {
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#License"
    }
},
"com.amazonaws.licensemanager#LicenseOperationFailure": {

    "type": "structure",
    "members": {
        "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
            }
        },
        "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Resource type.</p>"
            }
        },
        "ErrorMessage": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Error message.</p>"
            }
        },
        "FailureTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
```

"traits": {

"smithy.api#documentation": " Failure time. "
}
},
"OperationName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the operation. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource. "
}
},
"OperationRequestedBy": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The requester is \"License Manager Automated Discovery\". "
}
},
"MetadataList": {

"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Reserved. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the failure of a license operation. "
}
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailure"
}
},
"com.amazonaws.licensemanager#LicenseSpecification": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Details for associating a license configuration with a resource. "
}
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseSpecification"
}
},
"com.amazonaws.licensemanager#LicenseStatus": {
"type": "enum",
"members": {
"AVAILABLE": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"PENDING_AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_AVAILABLE"
}
},
"DEACTIVATED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DEACTIVATED"
}
},
"SUSPENDED": {
"target": "smithy.api#Unit",

```
            "traits": {
                "smithy.api#enumValue": "SUSPENDED"
            }
        },
        "EXPIRED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EXPIRED"
            }
        },

    "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseUsage": {
    "type": "structure",
    "members": {
        "EntitlementUsages": {
            "target": "com.amazonaws.licensemanager#EntitlementUsageList",
            "traits": {
                "smithy.api#documentation": "<p>License entitlement usages.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"

    }
},
"com.amazonaws.licensemanager#LicenseUsageException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
```

"aws.protocols#awsQueryError": {
"code": "LicenseUsageFailure",
"httpResponseCode": 412
},
"smithy.api#documentation": " You do not have enough licenses available to support a new resource launch. ",
"smithy.api#error": "client",
"smithy.api#httpError": 412
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the resource associations for the specified license configuration. \n Resource associations need not consume licenses from a license configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n the license rules). "
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
"type": "structure",

```
        "members": {
          "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a license configuration.</p>",
              "smithy.api#required": {}
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results
to return in a single call.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
        "type": "structure",
        "members": {
          "LicenseConfigurationAssociations": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
            "traits": {
              "smithy.api#documentation": "<p>Information about the associations for the license
configuration.</p>"
            }
          },
          "NextToken": {

"target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
```

```
"com.amazonaws.licensemanager#ListDistributedGrants": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
    "type": "structure",
    "members": {
        "GrantArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
            "traits": {

        "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
            }
        },
        "Filters": {
            "target": "com.amazonaws.licensemanager#FilterList",
            "traits": {
```

"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranteePrincipalARN</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",

"traits": {
"smithy.api#documentation": " Distributed grant details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license configuration operations that failed. "
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name of the license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

```
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
    "type": "structure",
    "members": {
        "LicenseOperationFailureList": {
            "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
            "traits": {
                "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseConfigurations": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
    },

  "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
        },
```

```
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configurations
 for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArns": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next
 set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n                Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n                Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n
<p>\n                <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n                Logical operators are <code>EQUALS</code> |
```

```
<code>NOT_EQUALS</code>.</p>\n
    </li>\n            <li>\n              <p>\n                <code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n              Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n         </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurations": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurations",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",

          "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConversionTasks": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
```

"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license type conversion tasks for your account. "
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
"type": "structure",
"members": {
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " \n Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
"type": "structure",
"members": {
"LicenseConversionTasks": {
"target": "com.amazonaws.licensemanager#LicenseConversionTasks",
"traits": {
"smithy.api#documentation": " Information about the license configuration tasks for your

account. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseConfigurationArn</code>\n
</p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits":
{
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
        "type": "structure",
        "members": {
            "ReportGenerators": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorList",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

"smithy.api#documentation": " Token for the next set of results. "
}

}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Describes the license configurations for the specified resource. "
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a resource that has an associated license configuration. ",
"smithy.api#required": {}
}

```
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {

    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
    "type": "structure",
    "members": {
        "LicenseSpecifications": {
            "target": "com.amazonaws.licensemanager#LicenseSpecifications",
            "traits": {
                "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
            }
        },
        "NextToken": {
             "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
```

```
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                "smithy.api#required": {}
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
```

```
        "type": "structure",
        "members": {
          "Licenses": {
            "target": "com.amazonaws.licensemanager#LicenseList",
            "traits": {
              "smithy.api#documentation": "<p>License details.</p>"
            }
          },

"NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenses": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListLicensesRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListLicensesResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
           },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
```

```
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicensesRequest": {
        "type": "structure",
        "members": {
            "LicenseArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
                }
            },

     "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n              <p>\n                <code>Beneficiary</code>\n              </p>\n
      </li>\n           <li>\n              <p>\n                <code>ProductSKU</code>\n              </p>\n           </li>\n
   <li>\n              <p>\n                <code>Fingerprint</code>\n              </p>\n           </li>\n           <li>\n
<p>\n                <code>Status</code>\n              </p>\n           </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token
 for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicensesResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#LicenseList",
                "traits": {
```

"smithy.api#documentation": " License details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while

specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target":
"com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the received license. ",
"smithy.api#required": {}

```
            }
        },
        "Filters": {
            "target": "com.amazonaws.licensemanager#FilterList",
            "traits": {
                "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
    <ul>\n        <li>\n        <p>\n        <code>ParentArn</code>\n        </p>\n        </li>\n
<li>\n        <p>\n        <code>GranteePrincipalArn</code>\n        </p>\n        </li>\n        </ul>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
{
    "type": "structure",
    "members": {
        "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
            "traits": {
                "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
```

```
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
      "type": "structure",
      "members": {
        "GrantArns": {
          "target": "com.amazonaws.licensemanager#ArnList",
           "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
          }
        },
        "Filters": {
          "target": "com.amazonaws.licensemanager#FilterList",
          "traits": {
            "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n          <li>\n            <p>\n              <code>ProductSKU</code>\n            </p>\n
      </li>\n          <li>\n            <p>\n              <code>LicenseIssuerName</code>\n            </p>\n
</li>\n          <li>\n            <p>\n              <code>LicenseArn</code>\n            </p>\n          </li>\n
<li>\n            <p>\n              <code>GrantStatus</code>\n            </p>\n          </li>\n          <li>\n
<p>\n
      <code>GranterAccountId</code>\n            </p>\n          </li>\n        </ul>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        },
        "MaxResults": {
          "target": "com.amazonaws.licensemanager#MaxSize100",
          "traits": {
            "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
      "type": "structure",
      "members": {
        "Grants": {
          "target": "com.amazonaws.licensemanager#GrantList",
           "traits": {
            "smithy.api#documentation": "<p>Received grant details.</p>"
          }
        },
```

```
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists received licenses.</p>"
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
```

```
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {

    "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>Beneficiary</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n
            </p>\n            </li>\n        </ul>"
                }
            },
```

```
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
    "type": "structure",
    "members": {
        "Licenses": {
            "target": "com.amazonaws.licensemanager#GrantedLicenseList",
             "traits": {
                "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
    "type": "structure",
    "members": {
        "LicenseArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
            }
        },
```

```
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n              <p>\n                <code>ProductSKU</code>\n              </p>\n
        </li>\n            <li>\n              <p>\n                <code>Status</code>\n              </p>\n            </li>\n
<li>\n              <p>\n                <code>Fingerprint</code>\n              </p>\n            </li>\n            <li>\n
<p>\n                <code>IssuerName</code>\n              </p>\n            </li>\n            <li>\n              <p>\n
<code>Beneficiary</code>\n              </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#GrantedLicenseList",
                "traits": {
                    "smithy.api#documentation": "<p>Received license details.</p>"
                }
            },

            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
```

```
},
"com.amazonaws.licensemanager#ListResourceInventory": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FailedDependencyException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
    }
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
    "type": "structure",
    "members": {
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#InventoryFilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>account_id</code> - The ID of the Amazon Web Services account that owns the resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n
\n \n \n <code>application_name</code> - The name of the application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n
\n \n \n <code>license_included</code> - The type of license included. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
\n <code>platform</code> - The platform of the resource.\n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n \n \n \n
<code>resource_id</code> - The ID of the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n
<code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account). \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
"type": "structure",
"members": {
"ResourceInventoryList": {
"target": "com.amazonaws.licensemanager#ResourceInventoryList",
"traits": {
"smithy.api#documentation": " Information about the resources. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the tags for the specified license configuration. "
}
},
"com.amazonaws.licensemanager#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

```
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
      "type": "structure",
      "members": {
        "Tags": {
          "target": "com.amazonaws.licensemanager#TagList",
          "traits": {
            "smithy.api#documentation": "<p>Information about the tags.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#ListTokens": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#ListTokensRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#ListTokensResponse"
      },
      "errors":
[
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
          "target": "com.amazonaws.licensemanager#ValidationException"
        }
      ],
      "traits": {
        "smithy.api#documentation": "<p>Lists your tokens.</p>"
      }
    },
    "com.amazonaws.licensemanager#ListTokensRequest": {
      "type": "structure",
      "members": {
```

```
            "TokenIds": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {

                  "smithy.api#documentation": "<p>Token IDs.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
    <ul>\n        <li>\n        <p>\n        <code>LicenseArns</code>\n        </p>\n        </li>\n
</ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation":
 "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokensResponse": {
        "type": "structure",
        "members": {
            "Tokens": {
                "target": "com.amazonaws.licensemanager#TokenList",
                "traits": {
                    "smithy.api#documentation": "<p>Received token details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
```

```
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
             {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license\n        consumption details by resource at a selected point in time. Use this action to audit the\n        current
license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
```

"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
"type": "structure",
"members": {

"LicenseConfigurationUsageList": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

```
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#Location": {
    "type": "string"
},
"com.amazonaws.licensemanager#Long": {
    "type": "long"
},
"com.amazonaws.licensemanager#ManagedResourceSummary": {
    "type": "structure",
    "members": {
        "ResourceType":
{
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
            }
        },
        "AssociationCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
    }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
    }
},
"com.amazonaws.licensemanager#MaxSize100": {

"type": "integer",
    "traits": {
        "smithy.api#range": {
            "min": 1,
            "max": 100
```

```
        }
    }
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The key name.</p>"
            }
        },

"Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The value.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes key/value pairs.</p>"
    }
},
"com.amazonaws.licensemanager#MetadataList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Metadata"
    }
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
    "type": "structure",
    "members": {
```

"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n \n \n As a grantor, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your organization. \n \n \n As a grantee, if the grantor creating the distributed grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n are activating the grant. \n \n \n <dl>\n <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n Use this value to activate a grant without replacing any member accounts\n active grants for the same product. \n </dd>\n <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n Use this value to activate a grant and disable other active grants in any\n member accounts
for the same product. This action will also replace their\n previously activated grants with this activated grant. \n </dd>\n </dl>"
}
}
},
"traits": {
"smithy.api#documentation": " The options you can specify when you create a new version of a grant, such as activation\n override behavior. For more information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#OrganizationConfiguration": {
"type": "structure",
"members": {
"EnableIntegration": {
"target": "com.amazonaws.licensemanager#Boolean",

"traits": {
"smithy.api#default": false,
"smithy.api#documentation":
" Enables Organizations integration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Configuration information for Organizations. "
}
},
"com.amazonaws.licensemanager#PrincipalArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 1
}
}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Resource type. The
possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a
<code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values
for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for
<code>ProductInformationFilterComparator</code>. \n The following filters and are supported when
the resource type \n is <code>SSM_MANAGED</code>: \n
\n \n \n <code>Application Name</code> - The name of the
application.\n Logical operator is <code>EQUALS</code>. \n \n \n
\n <code>Application Publisher</code> - The publisher of the application.\n Logical

operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n
\n \n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n \n \n \n \n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n \n \n <code>License Included</code> - The type of license included.\n Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are: <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n The following filters and logical operators are supported when the resource type\n is <code>RDS</code>: \n \n \n \n <code>Engine Edition</code> - The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>. \n \n \n \n <code>License Pack</code> - The license pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n <code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n
\n ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information for a license configuration. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
"type": "structure",
"members": {
"ProductInformationFilterName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Filter name. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterValue": {
"target": "com.amazonaws.licensemanager#StringList",

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        "traits": {
            "smithy.api#documentation": "<p>Filter value.</p>"
        }
      },
      "ProductInformationFilterComparator": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Logical operator.</p>",
            "smithy.api#required": {}
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Describes product information filters.</p>"
    }
  },
  "com.amazonaws.licensemanager#ProductInformationFilterList": {
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#ProductInformationFilter"
    }
  },
  "com.amazonaws.licensemanager#ProductInformationList": {
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#ProductInformation"
     }
  },
  "com.amazonaws.licensemanager#ProvisionalConfiguration": {
    "type": "structure",
    "members": {
      "MaxTimeToLiveInMinutes": {
        "target": "com.amazonaws.licensemanager#BoxInteger",
        "traits": {
            "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
            "smithy.api#required": {}
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
    }
  },
  "com.amazonaws.licensemanager#RateLimitExceededException": {
    "type": "structure",
    "members": {
      "Message": {
        "target": "com.amazonaws.licensemanager#Message"
```

```
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "RateLimitExceeded",
                "httpResponseCode": 429
            },
            "smithy.api#documentation": "<p>Too many requests have been submitted. Try again after a brief
wait.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 429
        }
    },
    "com.amazonaws.licensemanager#ReceivedMetadata": {
        "type": "structure",
        "members": {
            "ReceivedStatus": {
                "target": "com.amazonaws.licensemanager#ReceivedStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Received status.</p>"
                }
            },
            "ReceivedStatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>Received
status reason.</p>"
                }
            },
            "AllowedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed operations.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
        }
    },
    "com.amazonaws.licensemanager#ReceivedStatus": {
        "type": "enum",
        "members": {
            "PENDING_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_WORKFLOW"
                }
```

```
            },
            "PENDING_ACCEPT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue":
"PENDING_ACCEPT"
                }
            },
            "REJECTED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REJECTED"
                }
            },
            "ACTIVE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ACTIVE"
                }
            },
            "FAILED_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED_WORKFLOW"
                }
            },
            "DELETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DELETED"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                 "traits": {
                    "smithy.api#enumValue": "DISABLED"
                }
            },
            "WORKFLOW_COMPLETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WORKFLOW_COMPLETED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#RedirectException": {
        "type": "structure",
```

```
        "members": {
          "Location": {
            "target": "com.amazonaws.licensemanager#Location",
            "traits": {
              "smithy.api#httpHeader": "Location"
            }
          },
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
           "smithy.api#error": "client",
          "smithy.api#httpError": 308
        }
      },
      "com.amazonaws.licensemanager#RejectGrant": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#RejectGrantRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#RejectGrantResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#RejectGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}

}
    },
    "com.amazonaws.licensemanager#RejectGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#RenewType":
```

{
"type": "enum",
"members": {
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"WEEKLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Weekly"
}
},
"MONTHLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Monthly"
}
}
}
},
"com.amazonaws.licensemanager#ReportContext": {
"type": "structure",
"members": {
"licenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "

```
                }
            },
            "period": {
                "target": "com.amazonaws.licensemanager#ReportFrequencyType",

               "traits": {
                    "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
or monthly.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
        }
    },
    "com.amazonaws.licensemanager#ReportFrequencyType": {
        "type": "enum",
        "members": {
            "DAY": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DAY"
                }
            },
            "WEEK": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WEEK"
                }
            },
            "MONTH": {
                "target": "smithy.api#Unit",
                "traits":
 {
                    "smithy.api#enumValue": "MONTH"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#ReportGenerator": {
        "type": "structure",
        "members": {
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>"
                }
            },
```

"ReportType": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports that are generated. "
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " License
configuration type for this generator. "
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. "
}
},
"LastRunStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the last report generation attempt. "
}
},
"LastRunFailureReason":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Failure message for the last report generation attempt. "
}
},
"LastReportGenerationTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the last report was generated at. "
}
},
"ReportCreatorAccount": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Web Services account ID used to create the report

generator. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"S3Location": {
"target": "com.amazonaws.licensemanager#S3Location",
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the report was created. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags associated with the report generator. "
}

}
},
"traits": {
"smithy.api#documentation": " Describe the details of a report generator. "
}
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ReportGenerator"
}
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}

```
        }
    },
    "com.amazonaws.licensemanager#ReportType": {
        "type": "enum",
        "members": {
            "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
                }

    },
            "LICENSE_CONFIGURATION_USAGE_REPORT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "LicenseConfigurationUsageReport"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#ReportTypeList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ReportType"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventory": {
        "type": "structure",
        "members": {
            "ResourceId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
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```
            "Platform": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform of the resource.</p>"
                }
            },
            "PlatformVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
                }
            },
            "ResourceOwningAccountId":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventoryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ResourceInventory"
        }
    },
    "com.amazonaws.licensemanager#ResourceLimitExceededException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "ResourceLimitExceeded",

             "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
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"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
    "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_INSTANCE"
            }
        },
        "EC2_HOST": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_HOST"
            }
        },
        "EC2_AMI": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_AMI"
            }
        },
        "RDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "RDS"
            }
        },
        "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
```

"smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
}
}
}
},
"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"com.amazonaws.licensemanager#ServerInternalException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InternalError",
"httpResponseCode": 500
},
"smithy.api#documentation": " The server experienced an internal error. Try again. ",
"smithy.api#error": "server",
"smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanager#SignedToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 4096

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            }
        }
    },
    "com.amazonaws.licensemanager#StatusReasonMessage": {
        "type": "string",
        "traits":
{
            "smithy.api#length": {
                "min": 0,
                "max": 400
            },
            "smithy.api#pattern": "^[\\s\\S]+$"
        }
    },
    "com.amazonaws.licensemanager#String": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#StringList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#Tag": {
        "type": "structure",
        "members": {
            "Key": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Tag key.</p>"
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Tag value.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagKeyList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
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        }
    },
    "com.amazonaws.licensemanager#TagList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Tag"
        }
    },
    "com.amazonaws.licensemanager#TagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#TagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#TagResourceResponse"
        },
        "errors": [
            {
                "target":
"com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
{
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
```

```
            }
        },
        "Tags": {
            "target": "com.amazonaws.licensemanager#TagList",
            "traits": {
                "smithy.api#documentation": "<p>One or more tags.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#TagResourceResponse": {
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#TokenData": {
    "type": "structure",
    "members": {
        "TokenId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token ID.</p>"
            }
        },
        "TokenType": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
            }
        },
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
        },
        "ExpirationTime": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC
```

format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#TokenData"
}
},
"com.amazonaws.licensemanager#TokenString": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 4096
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#TokenType": {
"type": "enum",
"members": {

"REFRESH_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REFRESH_TOKEN"
}
}
}
},
"com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The digital signature method is unsupported. Try your request
again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#UntagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],

"traits": {
"smithy.api#documentation": " Removes the specified tags from the specified license configuration. "
}
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanager#TagKeyList",
"traits": {
"smithy.api#documentation": " Keys identifying the tags to remove. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

```
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseConfigurationStatus": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
                "traits": {
                    "smithy.api#documentation": "<p>New status of the license configuration.</p>"
                }
            },
            "LicenseRules": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {

    "smithy.api#documentation": "<p>New license rule. The only rule that you can add after you create a license\n
    configuration is licenseAffinityToHost.</p>"
                }
            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
```

"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}

```
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to
```

update. ",
"smithy.api#required": {}
}
},
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation":
" Type of reports to generate. The following report types are supported: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " The report context. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},

{
"target": "com.amazonaws.licensemanager#InvalidResourceStateException"
},
{
"target": "com.amazonaws.licensemanager#LicenseUsageException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],

"traits": {
"smithy.api#documentation": " Adds or removes the specified license configurations for the specified Amazon Web Services resource. \n You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource. "
}
},

"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon Web Services resource. ",
"smithy.api#required": {}
}
},
"AddLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to add. "
}
},
"RemoveLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to remove. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"

```
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
             },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
        "type": "structure",
        "members": {
            "S3BucketArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
 Manager information is stored.</p>"
                }
            },
            "SnsTopicArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts.</p>"
                }
            },
            "OrganizationConfiguration": {
                "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account discovery.</p>"
```

```
                }
            },
            "EnableCrossAccountsDiscovery": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"

        }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UsageOperation": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            }
        }
    },
    "com.amazonaws.licensemanager#ValidationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

    "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    }
  }
}
```

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PCRE LICENCE

PCRE is a library of functions to support regular expressions whose syntax
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THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
Email local part: ph10
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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)

in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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This software package is based on the paper
  I. Bogaert, "Iteration-Free Computation of Gauss-Legendre Quadrature Nodes and Weights",
  to be published in the SIAM Journal of Scientific Computing.

The main features of this software are:
- Speed: due to the simple formulas and the O(1) complexity computation of individual Gauss-Legendre
 quadrature nodes and weights. This makes it compatible with parallel computing paradigms.
- Accuracy: the error on the nodes and weights is within a few ulps (see the paper for details).

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A C-program for MT19937-64 (2004/9/29 version).
Coded by Takuji Nishimura and Makoto Matsumoto.

This is a 64-bit version of Mersenne Twister pseudorandom number
generator.

Before using, initialize the state by using init_genrand64(seed)
or init_by_array64(init_key, key_length).

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---
layout: docs
page_title: 'Commands: license'
description: |
 The license command is used to interact with an enterprise license.

Command: license

~> License commands are only available with Nomad Enterprise.

The `license` commands can be used to retrieve license information from a server,
or inspect and validate a license.

Click [here](https://www.hashicorp.com/products/nomad/trial) to get a trial license for Nomad Enterprise.

Usage

Usage: `nomad license <subcommand> [options]`

Run `nomad license <subcommand> -h` for help on that subcommand. The following
subcommands are available:

- [`license get`][get] - Get the current license from a server
- [`license inspect`][inspect] - Inspect and validate a license

[get]: /nomad/docs/commands/license/get 'Get the current license from a server'
[inspect]: /nomad/docs/commands/license/inspect 'Inspect and validate a license'
---
layout: docs
page_title: 'Commands: license get'
description: |
 The license get command is used to get the current license.

Command: license get

The `license get` command is used to retrieve the current Nomad Enterprise license. The command is not forwarded to the Nomad leader, and will return the license from the specific server being contacted.

~> License commands are only available with Nomad Enterprise.

Usage

```plaintext
nomad license get [options]
```

When ACLs are enabled, this command requires a token with the 'operator:read' capability.

General Options

@include 'general_options_no_namespace.mdx'

Examples

```shell-session
$ nomad license get

Product        = nomad
License Status = valid
License ID     = e23f63b1-00ec-4e67-e926-c22e7937ceec
Customer ID    = 350356e5-8aec-bdf4-8510-b205079ccad2
Issued At      = 2021-03-31 14:21:16.969610774 +0000 UTC
Expires At     = 2020-05-09 00:00:00 +0000 UTC
Terminates At  = 2020-05-10 00:00:00 +0000 UTC
Datacenter
    = *
Modules:
      governance-policy
Licensed Features:
      Automated Upgrades
      Enhanced Read Scalability
      Redundancy Zones
      Namespaces
      Resource Quotas
      Preemption
      Audit Logging
      Setinel Policies
```

```shell-session
$ nomad license get -stale=true
```

```
Product        = nomad
License Status = valid
License ID     = 8c647f6c-1e6d-18d8-7f05-92c4d8110b2d
Customer ID    = 350356e5-8aec-bdf4-8510-b205079ccad2
Issued At      = 2021-03-31 14:21:16.969610774 +0000 UTC
Expires At     = 2022-04-01 00:00:00 +0000 UTC
Terminates At  = 2022-04-04 00:00:00 +0000 UTC
Datacenter     = *
Modules:
      governance-policy
      multicluster-and-efficiency
Licensed Features:
      Automated Upgrades
      Enhanced Read Scalability
      Redundancy Zones
      Namespaces
      Resource Quotas
      Audit Logging
      Sentinel Policies
      Multiregion Deployments
      Automated Backups
      Multi-Vault Namespaces
```

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package command

import (
 "fmt"
 "strings"
 "time"

 "github.com/hashicorp/nomad/api"
 "github.com/mitchellh/cli"
)

var _ cli.Command = &LicenseCommand{}

type LicenseCommand struct {
 Meta
}

func (l *LicenseCommand) Help() string {
 helpText := `
Usage: nomad license <subcommand> [options] [args]

This command has subcommands for managing the Nomad Enterprise license.
For more detailed examples see:
https://developer.hashicorp.com/nomad/docs/commands/license

Retrieve the server's license:

 $ nomad license get
```

```
`
 return strings.TrimSpace(helpText)
}

func (l *LicenseCommand) Synopsis() string {
 return "Interact with Nomad Enterprise License"
}

func (l *LicenseCommand) Name() string { return "license" }

func (l *LicenseCommand) Run(args []string) int {
 return cli.RunResultHelp
}

func OutputLicenseReply(ui cli.Ui, resp *api.LicenseReply) int {
 now := time.Now()
 expired := resp.License.ExpirationTime.Before(now)
 terminated
 := resp.License.TerminationTime.Before(now)
 outputLicenseInfo(ui, resp.License, expired, terminated)
 if expired {
  return 1
 }
 return 0
}

func outputLicenseInfo(ui cli.Ui, lic *api.License, expired, terminated bool) {
 expStr := ""
 if expired {
  expStr = fmt.Sprintf("Expired At|%s", lic.ExpirationTime.String())
 } else {
  expStr = fmt.Sprintf("Expires At|%s", lic.ExpirationTime.String())
 }
 termStr := ""
 if terminated {
  termStr = fmt.Sprintf("Terminated At|%s", lic.TerminationTime.String())
 } else {
  termStr = fmt.Sprintf("Terminates At|%s", lic.TerminationTime.String())
 }

 validity := "valid"
 if expired {
  validity = "expired!"
 }
 output := []string{
  fmt.Sprintf("Product|%s", lic.Product),
  fmt.Sprintf("License Status|%s", validity),
```

```
  fmt.Sprintf("License ID|%s", lic.LicenseID),
  fmt.Sprintf("Customer ID|%s", lic.CustomerID),
  fmt.Sprintf("Issued At|%s", lic.IssueTime),
  expStr,
  termStr,
  fmt.Sprintf("Datacenter|%s", lic.InstallationID),
 }
 ui.Output(formatKV(output))

 if
 len(lic.Modules) > 0 {
  ui.Output("Modules:")
  for _, mod := range lic.Modules {
   ui.Output(fmt.Sprintf("\t%s", mod))
  }
 }
 if len(lic.Features) > 0 {
  ui.Output("Licensed Features:")
  for _, f := range lic.Features {
   ui.Output(fmt.Sprintf("\t%s", f))
  }
 }
}
---
layout: docs
page_title: Nomad Enterprise Licensing
description: >-
 Learn about how Nomad Enterprise licensing works.
---

## Nomad Enterprise Licensing

Licensing capabilities were added to Nomad Enterprise v0.12.0. Each server in
the cluster must have a license to start. Nomad Enterprise can be downloaded from
the [releases site].

Click [here](https://www.hashicorp.com/go/nomad-enterprise) to set up a demo of Nomad Enterprise
or [here](/nomad/tutorials/enterprise/hashicorp-enterprise-license#request-a-trial-license)
for instructions on how to get a trial license.

~> **Note:** A Nomad Enterprise cluster cannot be downgraded to the open
source version of Nomad. Servers running the open source version of Nomad will
panic if they are joined to a Nomad Enterprise cluster, due to raft entries
relating to Enterprise features not being parseable by open source Nomad.

## Expiring Licenses

Nomad Enterprise licenses have an expiration time.
```

You can read and validate the license on a running
server,
on disk, or in your environment with the
[`nomad license` commands](/nomad/docs/commands/license).

Before upgrading Nomad or replacing your license with a new one, you should always run
[`nomad license inspect`](/nomad/docs/commands/license/inspect)
to ensure the license is valid with your server binary.

As a Nomad Enterprise license approaches its expiration time, Nomad servers
will periodically log a warning message about the approaching
expiration. Below shows log excerpts of the warnings.

```
  2021-03-29T15:02:28.100-0400 [WARN]  nomad.licensing: license expiring: time_left=5m0s
  2021-03-29T15:03:28.103-0400 [WARN]  nomad.licensing: license expiring: time_left=4m0s
  2021-03-29T15:04:28.106-0400 [WARN]  nomad.licensing: license expiring: time_left=3m0s
  2021-03-29T15:05:28.109-0400 [WARN]  nomad.licensing: license expiring: time_left=2m0s
  2021-03-29T15:06:28.112-0400 [WARN]  nomad.licensing: license expiring: time_left=1m0s
  2021-03-29T15:07:28.114-0400
[WARN]  nomad.licensing: license expiring: time_left=0s
  2021-03-29T15:07:58.104-0400 [ERROR] nomad.licensing: license expired, please update license: error="invalid
license or license is expired"
```

When the license expires, enterprise functionality will become limited. Only
read operations on enterprise endpoints will be supported, and write
operations will return an error.

Configuring the License

See the server [license configuration] reference documentation on all the
options to set an enterprise license. Nomad will load the license file from
disk or environment when it starts.

~> **Note:** An Enterprise license [tutorial](/nomad/tutorials/enterprise/hashicorp-enterprise-license) is available
to help you install the license on the server.

In order to immediately alert operators of a bad configuration setting, if a
license configuration option is an invalid or expired license, the Nomad server
will exit with an error.

```
NOMAD_LICENSE=misconfigured nomad agent -dev
==>
 No configuration files loaded
==> Starting Nomad agent...
==> Error starting agent: server setup failed: failed to initialize enterprise licensing: a file license was configured but
```

the license is invalid: error decoding version: expected integer
```

See the [License commands](/nomad/docs/commands/license) for more information on interacting with the Enterprise License.

[releases site]: https://releases.hashicorp.com/nomad
[license configuration]: /nomad/docs/configuration/server#license_path
[license endpoint]: /nomad/api-docs/operator/license#updating-the-nomad-enterprise-license
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//go:build !ent

package nomad

func (c *LicenseConfig) Validate() error {
 return nil
}
---
layout: api
page_title: License - Operator - HTTP API
description: |-
 The /operator/license endpoints allow for retrieving the Nomad Enterprise License.

License Operator HTTP API

<EnterpriseAlert />

Get Nomad Enterprise License Info

This endpoint gets information about the current license.

Method	Path	Produces
`GET`	`/v1/operator/license`	`application/json`

The table below shows this endpoint's support for
[blocking queries](/nomad/api-docs#blocking-queries) and
[required ACLs](/nomad/api-docs#acls).

Blocking Queries	ACL Required
`NO`	`operator:read`

Sample Request

```shell-session
$ curl \
  https://localhost:4646/v1/operator/license
```

Sample Response

```json
{
 "KnownLeader": false,
 "LastContact": 0,
 "LastIndex": 0,
 "License": {
   "CustomerID": "customer name",
   "ExpirationTime":
 "2020-06-01T14:50:16.581304556-04:00",
   "Features": [
     "Automated Upgrades",
     "Enhanced Read Scalability",
     "Redundancy Zones",
     "Namespaces",
     "Resource Quotas",
     "Preemption",
     "Audit Logging",
     "Setinel Policies"
   ],
   "Flags": {
     "modules": ["governance-policy"]
   },
   "InstallationID": "*",
   "IssueTime": "2020-06-01T08:50:16.581304556-04:00",
   "LicenseID": "6f706a45-bdac-4a70-968b-d93784894653",
   "Modules": ["governance-policy"],
   "Product": "nomad",
   "StartTime": "2020-06-01T08:50:16.581304556-04:00",
   "TerminationTime": "2020-06-01T14:50:16.581304556-04:00"
 },
 "RequestTime": 0
}
```

```
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package command

import (
 "fmt"
```

```
 "github.com/hashicorp/nomad/api"
 "github.com/posener/complete"
)

type LicenseGetCommand struct {
 Meta
}

func (c *LicenseGetCommand) Help() string {
 helpText := `
Usage: nomad license get [options]

 Gets the license loaded by the server. The command is not forwarded to the
 Nomad leader, and will return the license from the specific server being
 contacted.

 When ACLs are enabled, this command requires a token with the
 'operator:read' capability.

General Options:

 ` + generalOptionsUsage(usageOptsDefault|usageOptsNoNamespace)

 return helpText
}

func (c *LicenseGetCommand) AutocompleteFlags() complete.Flags {
 return complete.Flags{}
}

func (c *LicenseGetCommand) AutocompleteArgs() complete.Predictor {
 return complete.PredictNothing
}

func (c *LicenseGetCommand) Synopsis() string {
 return "Retrieve the current Nomad Enterprise License"
}

func (c *LicenseGetCommand)
 Name() string { return "license get" }

func (c *LicenseGetCommand) Run(args []string) int {
 flags := c.Meta.FlagSet(c.Name(), FlagSetClient)
 flags.Usage = func() { c.Ui.Output(c.Help()) }

 if err := flags.Parse(args); err != nil {
  c.Ui.Error(fmt.Sprintf("Error parsing flags: %s", err))
  return 1
```

```
 }

 client, err := c.Meta.Client()
 if err != nil {
  c.Ui.Error(fmt.Sprintf("Error initializing client: %s", err))
  return 1
 }

 resp, _, err := client.Operator().LicenseGet(&api.QueryOptions{})
 if err != nil {
  c.Ui.Error(fmt.Sprintf("Error getting license: %v", err))
  return 1
 }

 return OutputLicenseReply(c.Ui, resp)
}
---
layout: docs
page_title: Automated license utilization reporting
description: >-
 Learn what data HashiCorp collects to meter Enterprise license utilization. Enable or disable reporting. Review
sample payloads and logs.
---

# Automated license utilization reporting

Automated license utilization reporting sends license utilization data to HashiCorp without requiring you
to manually collect and report them. It also lets you review your license usage with the monitoring
solution you already use (for example Splunk, Datadog, or others) so you can optimize and manage your
deployments. Use these reports to understand how much more you can deploy under your current contract,
protect against overutilization, and budget for predicted consumption.

Automated reporting shares the minimum data required to validate license utilization as defined in our
contracts. They consist of mostly computed metrics and will never contain Personal Identifiable Information
(PII) or other sensitive information.
 Automated reporting shares the data with HashiCorp using a secure,
unidirectional HTTPS API and makes an auditable record in the product logs each time it submits a report.
The reporting process is GDPR compliant and submits reports roughly once every 24 hours.

## Enable automated reporting

To enable automated reporting, you need to make sure that outbound network traffic is configured correctly
and upgrade your enterprise product to a version that supports it. If your installation is air-gapped or
network settings are not in place, automated reporting will not work.

### 1. Allow outbound HTTPS traffic on port 443

Make sure that your network allows HTTPS egress on port 443 from https://reporting.hashicorp.services by
```

allow-listing the following IP addresses:

- 100.20.70.12
- 35.166.5.222
- 23.95.85.111
- 44.215.244.1

2. Upgrade

Upgrade to a release that supports license utilization reporting. These releases include:
- [Nomad v1.7.0](/nomad/downloads) and later

3. Check logs

Automatic license utilization reporting will start sending data within roughly 24 hours. Check the product logs for records that the data sent successfully.

Instructions on how to check logs.

```
[DEBUG] core.reporting: beginning snapshot export
[DEBUG] core.reporting: creating payload
[DEBUG] core.reporting: marshalling payload to json
[DEBUG] core.reporting: generating authentication headers
[DEBUG] core.reporting: creating request
[DEBUG] core.reporting: sending request
[DEBUG] core.reporting: performing request: method=POST url=https://reporting.hashicorp.services
[DEBUG] core.reporting: recording audit record
[INFO]  reporting: Report sent: auditRecord={"payload":{"payload_version":"1","license_id":"d2cdd857-4202-5a45-70a6-e4b531050c34","product":"nomad","product_version":"1.6.0","export_timestamp":"2023-05-26T20:09:13.753921087Z","snapshots":[{"snapshot_version":1,"snapshot_id":"0001J724F90F4XWQDSAA76ZQWA","process_id":"01H1CTJPC1S8H7Q45MKTJ689ZW","timestamp":"2023-05-26T20:09:13.753513962Z","schema_version":"1.0.0","service":"nomad","metrics":{"nomad.billable.nodes":{"key":"nomad.billable.nodes","kind":"counter","mode":"write","value":33}}}]}}
[DEBUG]
 completed recording audit record
[DEBUG] core.reporting: export finished successfully
```

If your installation is air-gapped or your network doesnt allow the correct egress, logs will show an error.

```
[DEBUG] core.reporting: beginning snapshot export
[DEBUG] core.reporting: creating payload
[DEBUG] core.reporting: marshalling payload to json
[DEBUG] core.reporting: generating authentication headers
```

```
[DEBUG] core.reporting: creating request
[DEBUG] core.reporting: sending request
[DEBUG] core.reporting: performing request: method=POST url=https://reporting.hashicorp.services
[DEBUG] core.reporting: error status code received: statusCode=403
```

In this case, reconfigure your network to allow egress and check back in 24 hours.

Opt out

If your installation is air-gapped or you
 want to manually collect and report on the same license
utilization metrics, you can opt-out of automated reporting.

Manually reporting these metrics can be time consuming. Opting out of automated reporting does not mean that you also opt out from sending license utilization metrics. Customers who opt out of automated reporting will still be required to manually collect and send license utilization metrics to HashiCorp.

If you are considering opting out because youre worried about the data, we strongly recommend that you review the [example payloads](#example-payloads) before opting out. If you have concerns with any of the automatically-reported data please bring them to your account manager.

You have two options to opt out of automated reporting: HCL configuration (recommended) and Environment variable (requires restart).

Opting out in your products configuration file doesnt require a system restart, and is the method we recommend. Add the following block to your `server.hcl`
 file.

```hcl
reporting {
 license {
  enabled = false
   }
}
```

If you need to, you can also opt out using an environment variable, which will provide a startup message confirming that you have disabled automated reporting. This option requires a system restart.

Set the following environment variable.

```
$ export OPTOUT_LICENSE_REPORTING=true
```

Now restart your system by following [these instructions](/nomad/docs/operations/nomad-agent).

Check your product logs roughly 24 hours after opting out to make sure that the system isnt trying to send reports.

If your configuration file and environment variable differ, the environment variable setting will take precedence.

Example payloads

HashiCorp collects the following utilization data as JSON payloads:

`billable.nodes` - Number of billable nodes in Nomad

```json
"metrics": {
  "nomad.billable.nodes": {
      "key": "nomad.billable.nodes",
      "kind": "counter",
      "mode": "write",
      "value":
 33
  }
}
```
---
layout: docs
page_title: Nomad Enterprise License FAQ
description: >-
 Frequently Asked Questions pertaining to Nomad Enterprise Licensing.

Frequently Asked Questions (FAQ)

This FAQ is for the license changes introduced in Nomad Enterprise version v1.6.0+ent.

For license-related FAQ for earlier versions, please refer to earlier versions of this document
using the version drop-down on this page, e.g. [v1.5.x](/nomad/docs/v1.5.x/enterprise/license/faq).

Q: Can I get a quick summary of the Nomad changes?

Starting with Nomad Enterprise v1.6.0, license expiration is different.

For trial licenses, the behavior remains the same. Enterprise features will stop working
when the license expires, and a server can not start with an expired license.

For new "non-terminating" contract licenses, instead of expiration being compared to the current time, expiration time is compared to the build date of the Nomad binary, which you can find in the output of the [`nomad version`](/nomad/docs/commands/version)

command.

The practical result is that newer contract licenses will work in perpetuity for any v1.6.0+ version of Nomad built prior to the expiration time of the license. No features will stop working, and server agents can be restarted safely.

However, if you try to upgrade to a newer binary past license expiration, the server will not start. To proactively avoid that, you can test a new binary with your license using the new [`nomad license inspect`][license inspect] command before trying to upgrade your servers.

Q: What resources are available?

The list below is a great starting point for learning more about license usage in general.

- [v1.6.0 Upgrade Guide](/nomad/docs/upgrade/upgrade-specific#enterprise-license-validation-with-builddate)

- [Nomad License Documentation](/nomad/docs/enterprise/license)

- [License configuration values documentation](/nomad/docs/configuration/server#license_path)

- [Install a HashiCorp Enterprise License Tutorial](/nomad/tutorials/enterprise/hashicorp-enterprise-license)

Q: Does this affect older versions of Nomad?

This change only affects Nomad Enterprise version v1.6.0+ent and later.

Q: Does the license have to be present on Nomad client nodes?

Only Nomad server nodes need to have the license present. Nomad agents running with the `-dev` flag will also need a license.

Q: What are some pitfalls that could be experienced during an upgrade because of the license changes?

If you have an expired license that has not yet become fully nonfunctional (i.e. it is in grace period between ExpirationTime and TerminationTime), then a Nomad server will not be able to start using a new v1.6.0+ binary.

Before shutting down a server agent to replace it with a new version, be sure to run [`nomad license inspect`][license inspect] with the new binary.

Q: How can a user get their existing license?

If you are an existing HashiCorp enterprise customer you may contact your organization's customer success manager (CSM) or email support-softwaredelivery@hashicorp.com for information on how to get your organization's enterprise license.
You can use `nomad license get` to retrieve information about the license, but not the license itself.

Q: What happens when a license expires?

All features will continue to work until you attempt to upgrade Nomad that is newer than your license expiration time.
In that case, the server agent will fail to start, and you'll need to roll back to the previous working version and acquire a new license to use with the newer Nomad version before attempting the upgrade again.

Q: Are licenses cluster-specific? node-specific?

Licenses can be reused on different nodes and different clusters.

Q: Where can users get a trial license for Nomad?

Follow [these instructions](/nomad/tutorials/enterprise/hashicorp-enterprise-license#request-a-trial-license) to request and enable a free 30-day trial license.

Q: When a Nomad client agent restarts, will
 it still need a license file?

Every time `nomad agent` runs as a server (or in `-dev`), it requires a license.

Q: May I downgrade Nomad Enterprise from v1.6.0 to an earlier version?

Yes, if you upgrade a server to 1.6.0+ but it fails to start due to license expiration,
you can roll back to a previous working version with the old expiration logic.

If a server fails to start for any other reason aside from license expiration,
roll back to a previous version is not supported due to the Nomad state store
not having forward compatibility, and may result in a crash loop.

Q: Is there a tutorial available for the license configuration steps?
Please visit the [Enterprise License Tutorial](/nomad/tutorials/enterprise/hashicorp-enterprise-license).

[license inspect]: /nomad/docs/commands/license/inspect
// Copyright (c) HashiCorp, Inc.
// SPDX-License-Identifier: BUSL-1.1

package nomad

import (
 "slices"
 "time"
)

// LicenseConfig allows for tunable licensing config
// primarily used for enterprise testing
type LicenseConfig struct {

```
 // BuildDate is the time of the git commit used to build the program.
 BuildDate time.Time

 // LicenseEnvBytes is the license bytes to use for the server's license
 LicenseEnvBytes string

 // LicensePath is the path to use for the server's license
 LicensePath string

 // AdditionalPubKeys is a set of public keys to
 AdditionalPubKeys []string
}

func (c *LicenseConfig) Copy() *LicenseConfig {
 if c == nil {
  return nil
 }

 nc := *c
 nc.AdditionalPubKeys = slices.Clone(c.AdditionalPubKeys)
 return &nc
}
ISC
// Copyright (c) HashiCorp, Inc.
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package command

import (
 "testing"
 "time"

 "github.com/hashicorp/nomad/api"
 "github.com/hashicorp/nomad/ci"
 "github.com/mitchellh/cli"
 "github.com/shoenig/test/must"
)

var _ cli.Command = &LicenseGetCommand{}

func TestCommand_LicenseGet_OSSErr(t *testing.T) {
 ci.Parallel(t)

 srv, _, url := testServer(t, false, nil)
 defer srv.Shutdown()

 ui := cli.NewMockUi()
 cmd := &LicenseGetCommand{Meta: Meta{Ui: ui}}
```

```
 code := cmd.Run([]string{"-address=" + url})
 if srv.Enterprise {
  must.Zero(t, code)
 } else {
  must.One(t, code)
  must.StrContains(t, ui.ErrorWriter.String(), "Nomad Enterprise only endpoint")
 }
}

func TestOutputLicenseReply(t *testing.T) {
 ci.Parallel(t)

 now := time.Now()
 lic := &api.LicenseReply{
  License: &api.License{
   LicenseID:       "licenseID",
   CustomerID:      "customerID",
   InstallationID:  "*",
   IssueTime:       now,
   StartTime:       now,
   ExpirationTime:  now.Add(1
 * time.Hour),
   TerminationTime: now,
   Product:         "nomad",
   Flags: map[string]interface{}{
    "": nil,
   },
  },
 }

 ui := cli.NewMockUi()

 must.Zero(t, OutputLicenseReply(ui, lic))

 out := ui.OutputWriter.String()
 must.StrContains(t, out, "Customer ID")
 must.StrContains(t, out, "License ID")
}
---
layout: docs
page_title: 'Commands: license inspect'
description: |
 The license inspect command is used to inspect and validate an enterprise license.
---

# Command: license inspect
```

<EnterpriseAlert>
 This command is only present in Nomad Enterprise.
</EnterpriseAlert>

The `license inspect` command is used to inspect and validate a Nomad Enterprise license. It will read the license from a file on disk or an environment variable and exit non-0 if the license is not valid with the Nomad binary.

This command should always be run with the new binary before upgrading Nomad on a server, as the server agent will not start with an invalid license.

Usage

```plaintext
nomad license inspect [/path/to/license.hclic]
```

Examples

With a license file argument:

```shell-session
$ nomad license inspect /path/to/nomad/license.hclic
Source: /path/to/nomad/license.hclic
Product: nomad
License ID: aaaaaaaa-aaaa-aaaa-aaaa-aaaaaaaaaaaa
Customer ID: bbbbbbbb-bbbb-bbbb-bbbb-bbbbbbbbbbbb
Installation
 ID: *
Issue Time: 2021-12-01 17:49:23.021041516 +0000 UTC
Start Time: 2021-12-01 00:00:00 +0000 UTC
Expiration Time: 2023-12-01 00:00:00 +0000 UTC
Termination Time: 2024-01-01 00:00:00 +0000 UTC
Build Date: 2000-01-01 00:00:00 +0000 UTC
Flags: {
  "modules": [
    "multicluster-and-efficiency",
    "governance-policy"
  ]
}

License is valid
```

With a license file environment variable:

```shell-session
$ export NOMAD_LICENSE_PATH=/path/to/nomad/license.hclic
```

```
$ nomad license inspect
Source: /path/to/nomad/license.hclic (path from the NOMAD_LICENSE_PATH environment variable)
Product: nomad
.....
License is valid
```

With a license string environment variable:

```shell-session
$ export NOMAD_LICENSE=full-license-text-string
$ nomad license inspect
Source: NOMAD_LICENSE environment variable
.....
License is valid
```

Example error

```shell-session
$ nomad license inspect license.hclic
...
Validation Errors:
  * license is no longer valid
  * license expiration
 date is before version build date: expiration=2023-01-13T23:59:59Z build=2023-03-17T00:00:00Z
```

1.6868 hcloud-go 2.10.2

1.6868.1 Available under license :

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1.6869 go-ovh 1.6.0

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1.6870 pysnmpcrypto 0.0.4

1.6870.1 Available under license :

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License: http://snmplabs.com/pysnmp/license.html

Found in path(s):
* /opt/cola/permits/2309669858_1736247044.0416424/0/pysnmpcrypto-0-0-4-1-tar-gz/pysnmpcrypto-0.0.4/tests/__main__.py
* /opt/cola/permits/2309669858_1736247044.0416424/0/pysnmpcrypto-0-0-4-1-tar-gz/pysnmpcrypto-0.0.4/tests/test_des3.py
* /opt/cola/permits/2309669858_1736247044.0416424/0/pysnmpcrypto-0-0-4-1-tar-gz/pysnmpcrypto-0.0.4/tests/test_des.py
* /opt/cola/permits/2309669858_1736247044.0416424/0/pysnmpcrypto-0-0-4-1-tar-gz/pysnmpcrypto-0.0.4/tests/test_aes.py
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Strong crypto support for PySNMP

[![PyPI](https://img.shields.io/pypi/v/pysnmpcrypto.svg?maxAge=2592000)](https://pypi.org/project/pysnmpcrypto)
[![Python Versions](https://img.shields.io/pypi/pyversions/pysnmpcrypto.svg)](https://pypi.org/project/pysnmpcrypto/)
[![Build status](https://travis-ci.org/etingof/pysnmpcrypto.svg?branch=master)](https://travis-ci.org/etingof/pysnmpcrypto)
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[![GitHub license](https://img.shields.io/badge/license-BSD-blue.svg)](https://raw.githubusercontent.com/etingof/pysnmpcrypto/master/LICENSE.rst)

The `pysnmpcrypto` package is an optional extension to SNMP library for
Python [pysnmp](http://snmplabs.com/pysnmp/) 5.0+. The `pysnmpcrypto` library
provides stronger authentication and encryption features to the SNMP library
by
 way of invoking stronger crypto algorithms.

The `pysnmpcrypto` library runs on Python 2.4 through 3.7 and has a dependency
on either [PyCryptodomex](https://github.com/Legrandin/pycryptodome) (for Python
versions 2.4-2.6 and 3.2-3.3) or
[Cryptography](https://github.com/pyca/cryptography) (for Python versions
2.7 and 3.4+).

The `pysnmpcrypto` package is distributed under terms and conditions of the
2-clause [BSD license](http://snmplabs.com/pysnmpcrypto/license.html).

Download & Install

The `pysnmpcrypto` package is freely available for download from
[PyPI](https://pypi.org/project/pysnmpcrypto)
and [GitHub](https://github.com/etingof/pysnmpcrypto.git).

Just run:

```bash
$ pip install pysnmp pysnmpcrypto
```

to download and install both `pysnmp` and `pysnmpcrypto`.

Documentation

The `pysnmpcrypto` library does not expose any user-intended API. Documentation
and usage examples on the `pysnmp` library use can be found at the
[pysnmp project
 site](http://snmplabs.com/pysnmp/).

If something does not work as expected with `pysnmpcrypto`, please
[open an issue](https://github.com/etingof/pysnmpcrypto/issues) at GitHub.

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Found in path(s):
* /opt/cola/permits/2309669858_1736247044.0416424/0/pysnmpcrypto-0-0-4-1-tar-gz/pysnmpcrypto-0.0.4/README.md
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Found in path(s):
* /opt/cola/permits/2309669858_1736247044.0416424/0/pysnmpcrypto-0-0-4-1-tar-gz/pysnmpcrypto-0.0.4/setup.py
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* /opt/cola/permits/2309669858_1736247044.0416424/0/pysnmpcrypto-0-0-4-1-tar-gz/pysnmpcrypto-0.0.4/LICENSE.rst
No license file was found, but licenses were detected in source scan.

Metadata-Version: 1.2
Name: pysnmpcrypto
Version: 0.0.4
Summary: Strong cryptography support for PySNMP (SNMP library for Python)
Home-page: https://github.com/etingof/pysnmpcrypto
Author: Ilya Etingof
Author-email: etingof@gmail.com
Maintainer: Ilya Etingof <etingof@gmail.com>
License: BSD
Description:

The pysnmpcrypto package is an optional extension to SNMP library for Python -- pysnmp 5.0+. The pysnmpcrypto library provides stronger authentication and encryption features to the SNMP library by way of invoking stronger crypto algorithms.

The pysnmpcrypto library runs on Python 2.4 through 3.7 and has a dependency on either PyCryptodomex (for Python versions 2.4-2.6 and 3.2-3.3) or Cryptography (for Python versions 2.7 and 3.4+).

Platform: any
Classifier: Development Status :: 5 - Production/Stable
Classifier: Environment :: Console
Classifier:
Intended Audience :: Developers
Classifier: Intended Audience :: Education
Classifier: Intended Audience :: Information Technology
Classifier: Intended Audience :: System Administrators
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Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python :: 2

Classifier: Programming Language :: Python :: 2.4
Classifier: Programming Language :: Python :: 2.5
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.2
Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: 3.6
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Classifier: Topic
:: Communications
Classifier: Topic :: System :: Monitoring
Classifier: Topic :: System :: Networking :: Monitoring
Classifier: Topic :: Software Development :: Libraries :: Python Modules

Found in path(s):
* /opt/cola/permits/2309669858_1736247044.0416424/0/pysnmpcrypto-0-0-4-1-tar-gz/pysnmpcrypto-0.0.4/pysnmpcrypto.egg-info/PKG-INFO
* /opt/cola/permits/2309669858_1736247044.0416424/0/pysnmpcrypto-0-0-4-1-tar-gz/pysnmpcrypto-0.0.4/PKG-INFO

1.6871 pkcs7 0.0.0-20210826202110-33d05740a352

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1.6872 smetrics 0.0.0-20240521201337-686a1a2994c1

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1.6873 template 0.0.0-20190718012654-fb15b899a751

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1.6874 jetty-jaas 9.4.54.v20240208

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The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
 * javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

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module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
are hosted at github and both modified and original are under GPL v2 with
classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.6876 http2-hpack 9.4.54.v20240208

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
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org.ow2.asm:asm-commons
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
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org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

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The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
 * javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2
 licensed.

org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
artifacts may be included in the distribution or downloaded when ALPN
module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
are hosted at github and both modified and original are under GPL v2 with

classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

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org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.6881 javax-websocket-client-impl 9.4.54.v20240208

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
 * javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
artifacts may be included in the distribution or downloaded when ALPN
module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
are hosted at github and both modified and original are under GPL v2 with
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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.
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1.6884 x-term 0.6.0

1.6884.1 Available under license :

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1.6885 google-cloud-go-trace 1.10.7

1.6885.1 Available under license :

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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
//  protoc-gen-go v1.33.0
//  protoc        v4.25.3
// source: google/ai/generativelanguage/v1beta/permission.proto

package generativelanguagepb

import (
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
)

const
 (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Defines types of the grantee of this permission.
type Permission_GranteeType int32

const (
 // The default value. This value is unused.
 Permission_GRANTEE_TYPE_UNSPECIFIED Permission_GranteeType = 0
 // Represents a user. When set, you must provide email_address for the user.
 Permission_USER Permission_GranteeType = 1
 // Represents a group. When set, you must provide email_address for the
 // group.
 Permission_GROUP Permission_GranteeType = 2
 // Represents access to everyone. No extra information is required.
 Permission_EVERYONE Permission_GranteeType = 3
)

// Enum value maps for Permission_GranteeType.
```

```
var (
 Permission_GranteeType_name = map[int32]string{
  0: "GRANTEE_TYPE_UNSPECIFIED",
  1: "USER",
  2:
 "GROUP",
  3: "EVERYONE",
 }
 Permission_GranteeType_value = map[string]int32{
  "GRANTEE_TYPE_UNSPECIFIED": 0,
  "USER":                     1,
  "GROUP":                    2,
  "EVERYONE":                 3,
 }
)

func (x Permission_GranteeType) Enum() *Permission_GranteeType {
 p := new(Permission_GranteeType)
 *p = x
 return p
}

func (x Permission_GranteeType) String() string {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_GranteeType) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0].Descriptor()
}

func (Permission_GranteeType) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0]
}

func (x Permission_GranteeType) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_GranteeType.Descriptor instead.
func (Permission_GranteeType) EnumDescriptor() ([]byte,
 []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 0}
}

// Defines the role granted by this permission.
type Permission_Role int32

const (
```

```
 // The default value. This value is unused.
 Permission_ROLE_UNSPECIFIED Permission_Role = 0
 // Owner can use, update, share and delete the resource.
 Permission_OWNER Permission_Role = 1
 // Writer can use, update and share the resource.
 Permission_WRITER Permission_Role = 2
 // Reader can use the resource.
 Permission_READER Permission_Role = 3
)

// Enum value maps for Permission_Role.
var (
 Permission_Role_name = map[int32]string{
  0: "ROLE_UNSPECIFIED",
  1: "OWNER",
  2: "WRITER",
  3: "READER",
 }
 Permission_Role_value = map[string]int32{
  "ROLE_UNSPECIFIED": 0,
  "OWNER":            1,
  "WRITER":           2,
  "READER":           3,
 }
)

func (x Permission_Role) Enum() *Permission_Role {
 p := new(Permission_Role)
 *p = x
 return p
}

func (x Permission_Role) String() string {
 return
 protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_Role) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1].Descriptor()
}

func (Permission_Role) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1]
}

func (x Permission_Role) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}
```

```
// Deprecated: Use Permission_Role.Descriptor instead.
func (Permission_Role) EnumDescriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 1}
}

// Permission resource grants user, group or the rest of the world access to the
// PaLM API resource (e.g. a tuned model, corpus).
//
// A role is a collection of permitted operations that allows users to perform
// specific actions on PaLM API resources. To make them available to users,
// groups, or service accounts,
 you assign roles. When you assign a role, you
// grant permissions that the role contains.
//
// There are three concentric roles. Each role is a superset of the previous
// role's permitted operations:
//
// - reader can use the resource (e.g. tuned model, corpus) for inference
// - writer has reader's permissions and additionally can edit and share
// - owner has writer's permissions and additionally can delete
type Permission struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Output only. Identifier. The permission name. A unique name will be
 // generated on create. Examples:
 //
 // tunedModels/{tuned_model}/permissions/{permission}
 // corpora/{corpus}/permissions/{permission}
 //
 // Output only.
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Optional. Immutable. The type of the grantee.
 GranteeType *Permission_GranteeType
`protobuf:"varint,2,opt,name=grantee_type,json=granteeType,proto3,enum=google.ai.generativelanguage.v1beta.Pe
rmission_GranteeType,oneof"
 json:"grantee_type,omitempty"`
 // Optional. Immutable. The email address of the user of group which this
 // permission refers. Field is not set when permission's grantee type is
 // EVERYONE.
 EmailAddress *string `protobuf:"bytes,3,opt,name=email_address,json=emailAddress,proto3,oneof"
json:"email_address,omitempty"`
 // Required. The role granted by this permission.
 Role *Permission_Role
`protobuf:"varint,4,opt,name=role,proto3,enum=google.ai.generativelanguage.v1beta.Permission_Role,oneof"
json:"role,omitempty"`
```

```
}

func (x *Permission) Reset() {
 *x = Permission{}
 if protoimpl.UnsafeEnabled {
  mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  ms.StoreMessageInfo(mi)
 }
}

func (x *Permission) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*Permission) ProtoMessage() {}

func (x *Permission)
 ProtoReflect() protoreflect.Message {
 mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
 if protoimpl.UnsafeEnabled && x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use Permission.ProtoReflect.Descriptor instead.
func (*Permission) Descriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0}
}

func (x *Permission) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *Permission) GetGranteeType() Permission_GranteeType {
 if x != nil && x.GranteeType != nil {
  return *x.GranteeType
 }
 return Permission_GRANTEE_TYPE_UNSPECIFIED
}
```

```
func (x *Permission) GetEmailAddress() string {
 if x != nil && x.EmailAddress != nil {
  return *x.EmailAddress
 }
 return ""
}

func (x *Permission) GetRole() Permission_Role {
 if x != nil && x.Role
 != nil {
  return *x.Role
 }
 return Permission_ROLE_UNSPECIFIED
}

var File_google_ai_generativelanguage_v1beta_permission_proto protoreflect.FileDescriptor

var file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = []byte{
 0x0a, 0x34, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x23, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x1a, 0x1f, 0x67, 0x6f, 0x6f,
 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x62, 0x65,
 0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a,
 0x19, 0x67, 0x6f,
 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75, 0x72, 0x63,
 0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0x85, 0x05, 0x0a, 0x0a, 0x50, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x1a, 0x0a, 0x04, 0x6e, 0x61, 0x6d, 0x65, 0x18, 0x01,
 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x03, 0xe0, 0x41, 0x08, 0x52, 0x04, 0x6e, 0x61,
 0x6d, 0x65, 0x12, 0x6b, 0x0a, 0x0c, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f, 0x74, 0x79,
 0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0e, 0x32, 0x3b, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c,
 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65,
 0x65, 0x54, 0x79, 0x70, 0x65, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x00, 0x52,
 0x0b, 0x67,
 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x88, 0x01, 0x01, 0x12,
 0x30, 0x0a, 0x0d, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73,
 0x18, 0x03, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x01,
 0x52, 0x0c, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x41, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73, 0x88, 0x01,
 0x01, 0x12, 0x52, 0x0a, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x18, 0x04, 0x20, 0x01, 0x28, 0x0e, 0x32,
 0x34, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x52, 0x6f, 0x6c, 0x65, 0x42, 0x03, 0xe0, 0x41, 0x02, 0x48, 0x02, 0x52, 0x04, 0x72, 0x6f,
```

```
 0x6c, 0x65, 0x88, 0x01, 0x01, 0x22, 0x4e, 0x0a, 0x0b, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65,
 0x54, 0x79, 0x70, 0x65, 0x12, 0x1c, 0x0a,
 0x18, 0x47, 0x52, 0x41, 0x4e, 0x54, 0x45, 0x45, 0x5f,
 0x54, 0x59, 0x50, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45, 0x44,
 0x10, 0x00, 0x12, 0x08, 0x0a, 0x04, 0x55, 0x53, 0x45, 0x52, 0x10, 0x01, 0x12, 0x09, 0x0a, 0x05,
 0x47, 0x52, 0x4f, 0x55, 0x50, 0x10, 0x02, 0x12, 0x0c, 0x0a, 0x08, 0x45, 0x56, 0x45, 0x52, 0x59,
 0x4f, 0x4e, 0x45, 0x10, 0x03, 0x22, 0x3f, 0x0a, 0x04, 0x52, 0x6f, 0x6c, 0x65, 0x12, 0x14, 0x0a,
 0x10, 0x52, 0x4f, 0x4c, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45,
 0x44, 0x10, 0x00, 0x12, 0x09, 0x0a, 0x05, 0x4f, 0x57, 0x4e, 0x45, 0x52, 0x10, 0x01, 0x12, 0x0a,
 0x0a, 0x06, 0x57, 0x52, 0x49, 0x54, 0x45, 0x52, 0x10, 0x02, 0x12, 0x0a, 0x0a, 0x06, 0x52, 0x45,
 0x41, 0x44, 0x45, 0x52, 0x10, 0x03, 0x3a, 0xaa, 0x01, 0xea, 0x41, 0xa6, 0x01, 0x0a, 0x2c, 0x67,
 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67,
 0x65, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73,
 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x32, 0x74, 0x75, 0x6e,
 0x65, 0x64, 0x4d, 0x6f, 0x64, 0x65, 0x6c, 0x73, 0x2f, 0x7b, 0x74, 0x75, 0x6e, 0x65, 0x64, 0x5f,
 0x6d, 0x6f, 0x64, 0x65, 0x6c, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f,
 0x6e, 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x12,
 0x29, 0x63, 0x6f, 0x72, 0x70, 0x6f, 0x72, 0x61, 0x2f, 0x7b, 0x63, 0x6f, 0x72, 0x70, 0x75, 0x73,
 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x2f, 0x7b, 0x70,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x2a, 0x0b, 0x70, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x32, 0x0a, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73,
 0x69, 0x6f, 0x6e, 0x42, 0x0f, 0x0a, 0x0d, 0x5f, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f,
 0x74, 0x79, 0x70, 0x65, 0x42, 0x10, 0x0a, 0x0e, 0x5f, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61,
 0x64,
 0x64, 0x72, 0x65, 0x73, 0x73, 0x42, 0x07, 0x0a, 0x05, 0x5f, 0x72, 0x6f, 0x6c, 0x65, 0x42,
 0x9b, 0x01, 0x0a, 0x27, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x42, 0x0f, 0x50, 0x65, 0x72,
 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x50, 0x01, 0x5a, 0x5d,
 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x67, 0x6f, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76,
 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x76, 0x31, 0x62,
 0x65, 0x74, 0x61, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61,
 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x3b, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74,
 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e,
 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x62, 0x06, 0x70,
 0x72, 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce sync.Once
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc
)

func file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP() []byte {
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce.Do(func() {
```

```
  file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData)
 })
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData
}

var file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes = make([]protoimpl.EnumInfo, 2)
var file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes = make([]protoimpl.MessageInfo, 1)
var file_google_ai_generativelanguage_v1beta_permission_proto_goTypes
 = []interface{}{
 (Permission_GranteeType)(0), // 0: google.ai.generativelanguage.v1beta.Permission.GranteeType
 (Permission_Role)(0),        // 1: google.ai.generativelanguage.v1beta.Permission.Role
 (*Permission)(nil),          // 2: google.ai.generativelanguage.v1beta.Permission
}
var file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = []int32{
 0, // 0: google.ai.generativelanguage.v1beta.Permission.grantee_type:type_name ->
google.ai.generativelanguage.v1beta.Permission.GranteeType
 1, // 1: google.ai.generativelanguage.v1beta.Permission.role:type_name ->
google.ai.generativelanguage.v1beta.Permission.Role
 2, // [2:2] is the sub-list for method output_type
 2, // [2:2] is the sub-list for method input_type
 2, // [2:2] is the sub-list for extension type_name
 2, // [2:2] is the sub-list for extension extendee
 0, // [0:2] is the sub-list for field type_name
}

func init() { file_google_ai_generativelanguage_v1beta_permission_proto_init()
 }
func file_google_ai_generativelanguage_v1beta_permission_proto_init() {
 if File_google_ai_generativelanguage_v1beta_permission_proto != nil {
  return
 }
 if !protoimpl.UnsafeEnabled {
  file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].Exporter = func(v interface{}, i int)
interface{} {
   switch v := v.(*Permission); i {
   case 0:
    return &v.state
   case 1:
    return &v.sizeCache
   case 2:
    return &v.unknownFields
   default:
    return nil
   }
  }
 }
 file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].OneofWrappers = []interface{}{}
```

```
 type x struct{}
 out := protoimpl.TypeBuilder{
  File: protoimpl.DescBuilder{
   GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
   RawDescriptor: file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc,
   NumEnums:      2,
   NumMessages:   1,
   NumExtensions: 0,
   NumServices:   0,
  },
  GoTypes:          file_google_ai_generativelanguage_v1beta_permission_proto_goTypes,
  DependencyIndexes:
 file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs,
  EnumInfos:         file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes,
  MessageInfos:      file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes,
 }.Build()
 File_google_ai_generativelanguage_v1beta_permission_proto = out.File
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_goTypes = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = nil
}

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```

```
// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
 "google.golang.org/api/iterator"
)

func ExampleNewLicensesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will
 require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicensesClient_Delete() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.DeleteLicenseRequest{
  //
 TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
```

```
 }
 op, err := c.Delete(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
 }
 resp,
 err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
```

```
 }
 defer c.Close()

 req := &computepb.GetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetIamPolicyLicenseRequest.
 }
 resp, err := c.GetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_Insert()
 {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.InsertLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
 }
 op, err := c.Insert(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_List() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template
```

```
only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.ListLicensesRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
}
it := c.List(ctx, req)
for {
 resp, err := it.Next()
 if err == iterator.Done {
  break
 }
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp

 // If you need to access the underlying RPC response,
 // you can do so by casting the `Response` as below.
 // Otherwise, remove this line. Only populated after
 // first call to Next(). Not safe for concurrent access.
 _ = it.Response.(*computepb.LicensesListResponse)
}
}

func
ExampleLicensesClient_SetIamPolicy() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()
```

```
 req := &computepb.SetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
 }
 resp, err := c.SetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically
 generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
 }
 resp, err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleNewLicenseCodesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 //
 - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicenseCodesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseCodeRequest{
  // TODO: Fill request
```

```
 struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
 }
 resp, err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseCodeRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
 }
 resp,
 err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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```

```
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute

import (
 "bytes"
 "context"
 "fmt"
 "io"
 "math"
 "net/http"
 "net/url"
 "time"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/googleapi"
 "google.golang.org/api/iterator"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport
 "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/protobuf/encoding/protojson"
 "google.golang.org/protobuf/proto"
)

var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
 Delete            []gax.CallOption
 Get               []gax.CallOption
 GetIamPolicy      []gax.CallOption
 Insert            []gax.CallOption
 List              []gax.CallOption
 SetIamPolicy      []gax.CallOption
 TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
 return &LicensesCallOptions{
  Delete: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  Get: []gax.CallOption{
```

```
  gax.WithTimeout(600000 * time.Millisecond),
  gax.WithRetry(func() gax.Retryer {
   return gax.OnHTTPCodes(gax.Backoff{
    Initial:    100 * time.Millisecond,
    Max:        60000 * time.Millisecond,
    Multiplier: 1.30,
   },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
  }),
 },
 GetIamPolicy:
[]gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
  gax.WithRetry(func() gax.Retryer {
   return gax.OnHTTPCodes(gax.Backoff{
    Initial:    100 * time.Millisecond,
    Max:        60000 * time.Millisecond,
    Multiplier: 1.30,
   },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
  }),
 },
 Insert: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
 },
 List: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
  gax.WithRetry(func() gax.Retryer {
   return gax.OnHTTPCodes(gax.Backoff{
    Initial:    100 * time.Millisecond,
    Max:        60000 * time.Millisecond,
    Multiplier: 1.30,
   },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
  }),
 },
 SetIamPolicy: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
 },
 TestIamPermissions: []gax.CallOption{
  gax.WithTimeout(600000
* time.Millisecond),
 },
 }
}
```

```
// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
 Close() error
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
 Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
 Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
 GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
 List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
 SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse,
 error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicensesClient

 // The call options for this service.
 CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
 return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

//
```

```
 Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
 return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption) (*computepb.License, error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy
 for a resource. May be empty if no such policy or resource exists. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
 return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
 list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
 return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
```

```
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use
 only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // operationClient is used to call the operation-specific management service.
 operationClient *GlobalOperationsClient

 // The x-goog-* headers to be sent with each request.
 xGoogHeaders []string

 // Points back to the CallOptions field of the containing LicensesClient
 CallOptions **LicensesCallOptions
}

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx
 context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
 clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicensesRESTCallOptions()
 c := &licensesRESTClient{
  endpoint:    endpoint,
```

```
 httpClient:  httpClient,
 CallOptions: &callOpts,
 }
 c.setGoogleClientInfo()

 o := []option.ClientOption{
  option.WithHTTPClient(httpClient),
  option.WithEndpoint(endpoint),
 }
 opC, err := NewGlobalOperationsRESTClient(ctx, o...)
 if err != nil {
  return nil, err
 }
 c.operationClient = opC

 return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultEndpointTemplate("https://compute.UNIVERSE_DOMAIN"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultUniverseDomain("googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
 }
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogHeaders = []string{"x-goog-api-client", gax.XGoogHeader(kv...)}
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
 // Replace httpClient with nil to force cleanup.
 c.httpClient = nil
 if err := c.operationClient.Close();
 err != nil {
  return err
 }
```

```
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
 return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v",
 "project", url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers
```

```
 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if
err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense()))}
```

```
hds
= append(c.xGoogHeaders, hds...)
hds = append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.License{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return
err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
```

Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

 params := url.Values{}
 if req != nil && req.OptionsRequestedPolicyVersion != nil {
  params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params",
 fmt.Sprintf("%s=%v&%s=%v", "project", url.QueryEscape(req.GetProject()), "resource",
url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
```

```
  return err
 }

 buf,
err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetLicenseResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery
 = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v", "project", url.QueryEscape(req.GetProject()))}
```

```
hds = append(c.xGoogHeaders, hds...)
hds = append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if
err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
```

```
  },
 }
 return op, nil
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-
cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating
Cloud Marketplace images.
func (c *licensesRESTClient) List(ctx context.Context, req *computepb.ListLicensesRequest,
 opts ...gax.CallOption) *LicenseIterator {
 it := &LicenseIterator{}
 req = proto.Clone(req).(*computepb.ListLicensesRequest)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
  resp := &computepb.LicensesListResponse{}
  if pageToken != "" {
   req.PageToken = proto.String(pageToken)
  }
  if pageSize > math.MaxInt32 {
   req.MaxResults = proto.Uint32(math.MaxInt32)
  } else if pageSize != 0 {
   req.MaxResults = proto.Uint32(uint32(pageSize))
  }
  baseUrl, err := url.Parse(c.endpoint)
  if err != nil {
   return nil, "", err
  }
  baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

  params := url.Values{}
  if req != nil && req.Filter != nil {
   params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
  }
  if req != nil && req.MaxResults != nil {
   params.Add("maxResults", fmt.Sprintf("%v", req.GetMaxResults()))
  }
  if
 req != nil && req.OrderBy != nil {
   params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
  }
  if req != nil && req.PageToken != nil {
   params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
  }
  if req != nil && req.ReturnPartialSuccess != nil {
   params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
  }
```

```
 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := append(c.xGoogHeaders, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err
= googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, "", e
 }
 it.Response = resp
 return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
 items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
 if err != nil {
```

```
  return "", err
 }
 it.items = append(it.items, items...)
 return nextPageToken, nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()

return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud
 Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetGlobalSetPolicyRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
 opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
```

```
 httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource
 is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
```

```
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx,
 hds...)
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }
```

```
 return nil
}, opts...)
if e != nil {
 return
nil, e
}
return resp, nil
}
```

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has

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1.6889 distro 1.8.0

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1.6900 protobuf 1.36.2

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1.6902 python-dotenv 1.0.0

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1.6903 libcom-err 1.47.1-r1

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Index: tdbsa/tdb.c
==========
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/

```
 /*
-   Unix SMB/CIFS implementation.
+   trivial database library - standalone version

-   trivial database library - private includes
-
-   Copyright (C) Andrew Tridgell              2005
+   Copyright (C) Andrew Tridgell              1999-2005
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    ** NOTE! The following LGPL license applies to the tdb
    ** library. This does NOT imply that all of Samba is released
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Gadi Oxman, August 1995

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Theodore Ts'o
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That's all there is to it!
#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

real-subdirs:: Makefile
 @echo " MKDIR pic"
 @mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:  $(BSD_LIB)

$(BSD_LIB): $(OBJS)
 (cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
 $(MV) pic/$(BSD_LIB) .
 $(RM) -f ../$(BSD_LIB)
```

```
 (cd ..; $(LN) $(LINK_BUILD_FLAGS) \
  `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
 @echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
 @$(INSTALL_PROGRAM) $(BSD_LIB) \
  $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
 @-$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::
 $(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
 $(RM)
 -rf pic
 $(RM) -f $(BSD_LIB)
 $(RM) -f ../$(BSD_LIB)
```

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1.6906 ksuid 1.0.4

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1.6908 protocol 0.10.0

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1.6910 apiserver-network-proxy-konnectivity-client 0.28.0

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1.6911 xorm-xorm 0.8.2

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1.6912 strfmt 0.21.9

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1.6913 google-cloud-go-kms 1.18.2

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package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
 "google.golang.org/api/iterator"
)

func ExampleNewLicensesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will
 require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()
```

```
 // TODO: Use client.
 _ = c
}

func ExampleLicensesClient_Delete() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
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 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.DeleteLicenseRequest{
  //
 TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
 }
 op, err := c.Delete(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
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 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseRequest{
  // TODO: Fill request struct fields.
```

```
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
 }
 resp,
 err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetIamPolicyLicenseRequest.
 }
 resp, err := c.GetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_Insert()
 {
 ctx := context.Background()
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 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
```

```
 defer c.Close()

 req := &computepb.InsertLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
 }
 op, err := c.Insert(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_List() {
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 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.ListLicensesRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
 }
 it := c.List(ctx, req)
 for {
  resp, err := it.Next()
  if err == iterator.Done {
   break
  }
  if err != nil {
   // TODO: Handle error.
  }
  // TODO: Use resp.
  _ = resp

  // If you need to access the underlying RPC response,
```

```
 // you can do so by casting the `Response` as below.
 // Otherwise, remove this line. Only populated after
 // first call to Next(). Not safe for concurrent access.
 _ = it.Response.(*computepb.LicensesListResponse)
 }
}

func
 ExampleLicensesClient_SetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.SetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
 }
 resp, err := c.SetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically
 generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseRequest{
```

```
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
 }
 resp, err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleNewLicenseCodesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 //
 - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()
```

```
 // TODO: Use client.
 _ = c
}

func ExampleLicenseCodesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseCodeRequest{
  // TODO: Fill request
 struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
 }
 resp, err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseCodeRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
 }
```

```
resp,
err := c.TestIamPermissions(ctx, req)
if err != nil {
 // TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}
```

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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
//  protoc-gen-go v1.34.2
//  protoc        v4.25.3
// source: google/ai/generativelanguage/v1beta/permission.proto

package generativelanguagepb

import (
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
)

const
 (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Defines types of the grantee of this permission.
type Permission_GranteeType int32
```

```
const (
 // The default value. This value is unused.
 Permission_GRANTEE_TYPE_UNSPECIFIED Permission_GranteeType = 0
 // Represents a user. When set, you must provide email_address for the user.
 Permission_USER Permission_GranteeType = 1
 // Represents a group. When set, you must provide email_address for the
 // group.
 Permission_GROUP Permission_GranteeType = 2
 // Represents access to everyone. No extra information is required.
 Permission_EVERYONE Permission_GranteeType = 3
)

// Enum value maps for Permission_GranteeType.
var (
 Permission_GranteeType_name = map[int32]string{
  0: "GRANTEE_TYPE_UNSPECIFIED",
  1: "USER",
  2:
 "GROUP",
  3: "EVERYONE",
 }
 Permission_GranteeType_value = map[string]int32{
  "GRANTEE_TYPE_UNSPECIFIED": 0,
  "USER":                     1,
  "GROUP":                    2,
  "EVERYONE":                 3,
 }
)

func (x Permission_GranteeType) Enum() *Permission_GranteeType {
 p := new(Permission_GranteeType)
 *p = x
 return p
}

func (x Permission_GranteeType) String() string {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_GranteeType) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0].Descriptor()
}

func (Permission_GranteeType) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0]
}
```

```
func (x Permission_GranteeType) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_GranteeType.Descriptor instead.
func (Permission_GranteeType) EnumDescriptor() ([]byte,
 []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 0}
}

// Defines the role granted by this permission.
type Permission_Role int32

const (
 // The default value. This value is unused.
 Permission_ROLE_UNSPECIFIED Permission_Role = 0
 // Owner can use, update, share and delete the resource.
 Permission_OWNER Permission_Role = 1
 // Writer can use, update and share the resource.
 Permission_WRITER Permission_Role = 2
 // Reader can use the resource.
 Permission_READER Permission_Role = 3
)

// Enum value maps for Permission_Role.
var (
 Permission_Role_name = map[int32]string{
  0: "ROLE_UNSPECIFIED",
  1: "OWNER",
  2: "WRITER",
  3: "READER",
 }
 Permission_Role_value = map[string]int32{
  "ROLE_UNSPECIFIED": 0,
  "OWNER":            1,
  "WRITER":           2,
  "READER":           3,
 }
)

func (x Permission_Role) Enum() *Permission_Role {
 p := new(Permission_Role)
 *p = x
 return p
}

func (x Permission_Role) String() string {
 return
```

```
 protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_Role) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1].Descriptor()
}

func (Permission_Role) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1]
}

func (x Permission_Role) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_Role.Descriptor instead.
func (Permission_Role) EnumDescriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 1}
}

// Permission resource grants user, group or the rest of the world access to the
// PaLM API resource (e.g. a tuned model, corpus).
//
// A role is a collection of permitted operations that allows users to perform
// specific actions on PaLM API resources. To make them available to users,
// groups, or service accounts,
 you assign roles. When you assign a role, you
// grant permissions that the role contains.
//
// There are three concentric roles. Each role is a superset of the previous
// role's permitted operations:
//
// - reader can use the resource (e.g. tuned model, corpus) for inference
// - writer has reader's permissions and additionally can edit and share
// - owner has writer's permissions and additionally can delete
type Permission struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Output only. Identifier. The permission name. A unique name will be
 // generated on create. Examples:
 //
 // tunedModels/{tuned_model}/permissions/{permission}
 // corpora/{corpus}/permissions/{permission}
 //
 // Output only.
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
```

```
 // Optional. Immutable. The type of the grantee.
 GranteeType *Permission_GranteeType
`protobuf:"varint,2,opt,name=grantee_type,json=granteeType,proto3,enum=google.ai.generativelanguage.v1beta.Pe
rmission_GranteeType,oneof"
 json:"grantee_type,omitempty"`
 // Optional. Immutable. The email address of the user of group which this
 // permission refers. Field is not set when permission's grantee type is
 // EVERYONE.
 EmailAddress *string `protobuf:"bytes,3,opt,name=email_address,json=emailAddress,proto3,oneof"
json:"email_address,omitempty"`
 // Required. The role granted by this permission.
 Role *Permission_Role
`protobuf:"varint,4,opt,name=role,proto3,enum=google.ai.generativelanguage.v1beta.Permission_Role,oneof"
json:"role,omitempty"`
}

func (x *Permission) Reset() {
 *x = Permission{}
 if protoimpl.UnsafeEnabled {
  mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  ms.StoreMessageInfo(mi)
 }
}

func (x *Permission) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*Permission) ProtoMessage() {}

func (x *Permission)
 ProtoReflect() protoreflect.Message {
 mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
 if protoimpl.UnsafeEnabled && x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use Permission.ProtoReflect.Descriptor instead.
func (*Permission) Descriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0}
}
```

```
func (x *Permission) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *Permission) GetGranteeType() Permission_GranteeType {
 if x != nil && x.GranteeType != nil {
  return *x.GranteeType
 }
 return Permission_GRANTEE_TYPE_UNSPECIFIED
}

func (x *Permission) GetEmailAddress() string {
 if x != nil && x.EmailAddress != nil {
  return *x.EmailAddress
 }
 return ""
}

func (x *Permission) GetRole() Permission_Role {
 if x != nil && x.Role
 != nil {
  return *x.Role
 }
 return Permission_ROLE_UNSPECIFIED
}

var File_google_ai_generativelanguage_v1beta_permission_proto protoreflect.FileDescriptor

var file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = []byte{
 0x0a, 0x34, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x23, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x1a, 0x1f, 0x67, 0x6f, 0x6f,
 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x62, 0x65,
 0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a,
 0x19, 0x67, 0x6f,
 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75, 0x72, 0x63,
 0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0x85, 0x05, 0x0a, 0x0a, 0x50, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x1a, 0x0a, 0x04, 0x6e, 0x61, 0x6d, 0x65, 0x18, 0x01,
 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x03, 0xe0, 0x41, 0x08, 0x52, 0x04, 0x6e, 0x61,
 0x6d, 0x65, 0x12, 0x6b, 0x0a, 0x0c, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f, 0x74, 0x79,
 0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0e, 0x32, 0x3b, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
```

0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c,
0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50,
0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65,
0x65, 0x54, 0x79, 0x70, 0x65, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x00, 0x52,
0x0b, 0x67,
0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x88, 0x01, 0x01, 0x12,
0x30, 0x0a, 0x0d, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73,
0x18, 0x03, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x01,
0x52, 0x0c, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x41, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73, 0x88, 0x01,
0x01, 0x12, 0x52, 0x0a, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x18, 0x04, 0x20, 0x01, 0x28, 0x0e, 0x32,
0x34, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65,
0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76,
0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
0x2e, 0x52, 0x6f, 0x6c, 0x65, 0x42, 0x03, 0xe0, 0x41, 0x02, 0x48, 0x02, 0x52, 0x04, 0x72, 0x6f,
0x6c, 0x65, 0x88, 0x01, 0x01, 0x22, 0x4e, 0x0a, 0x0b, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65,
0x54, 0x79, 0x70, 0x65, 0x12, 0x1c, 0x0a,
0x18, 0x47, 0x52, 0x41, 0x4e, 0x54, 0x45, 0x45, 0x5f,
0x54, 0x59, 0x50, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45, 0x44,
0x10, 0x00, 0x12, 0x08, 0x0a, 0x04, 0x55, 0x53, 0x45, 0x52, 0x10, 0x01, 0x12, 0x09, 0x0a, 0x05,
0x47, 0x52, 0x4f, 0x55, 0x50, 0x10, 0x02, 0x12, 0x0c, 0x0a, 0x08, 0x45, 0x56, 0x45, 0x52, 0x59,
0x4f, 0x4e, 0x45, 0x10, 0x03, 0x22, 0x3f, 0x0a, 0x04, 0x52, 0x6f, 0x6c, 0x65, 0x12, 0x14, 0x0a,
0x10, 0x52, 0x4f, 0x4c, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45,
0x44, 0x10, 0x00, 0x12, 0x09, 0x0a, 0x05, 0x4f, 0x57, 0x4e, 0x45, 0x52, 0x10, 0x01, 0x12, 0x0a,
0x0a, 0x06, 0x57, 0x52, 0x49, 0x54, 0x45, 0x52, 0x10, 0x02, 0x12, 0x0a, 0x0a, 0x06, 0x52, 0x45,
0x41, 0x44, 0x45, 0x52, 0x10, 0x03, 0x3a, 0xaa, 0x01, 0xea, 0x41, 0xa6, 0x01, 0x0a, 0x2c, 0x67,
0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67,
0x65, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73,
0x2e, 0x63, 0x6f, 0x6d,
0x2f, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x32, 0x74, 0x75, 0x6e,
0x65, 0x64, 0x4d, 0x6f, 0x64, 0x65, 0x6c, 0x73, 0x2f, 0x7b, 0x74, 0x75, 0x6e, 0x65, 0x64, 0x5f,
0x6d, 0x6f, 0x64, 0x65, 0x6c, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f,
0x6e, 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x12,
0x29, 0x63, 0x6f, 0x72, 0x70, 0x6f, 0x72, 0x61, 0x2f, 0x7b, 0x63, 0x6f, 0x72, 0x70, 0x75, 0x73,
0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x2f, 0x7b, 0x70,
0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x2a, 0x0b, 0x70, 0x65, 0x72, 0x6d,
0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x32, 0x0a, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73,
0x69, 0x6f, 0x6e, 0x42, 0x0f, 0x0a, 0x0d, 0x5f, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f,
0x74, 0x79, 0x70, 0x65, 0x42, 0x10, 0x0a, 0x0e, 0x5f, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61,
0x64,
0x64, 0x72, 0x65, 0x73, 0x73, 0x42, 0x07, 0x0a, 0x05, 0x5f, 0x72, 0x6f, 0x6c, 0x65, 0x42,
0x9b, 0x01, 0x0a, 0x27, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x42, 0x0f, 0x50, 0x65, 0x72,
0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x50, 0x01, 0x5a, 0x5d,
0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6f, 0x6d,
0x2f, 0x67, 0x6f, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76,
0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x76, 0x31, 0x62,
0x65, 0x74, 0x61, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61,

```
 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x3b, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74,
 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e,
 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x62, 0x06, 0x70,
 0x72, 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce sync.Once
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc
)

func file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP() []byte {
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce.Do(func() {
  file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData)
 })
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData
}

var file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes = make([]protoimpl.EnumInfo, 2)
var file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes = make([]protoimpl.MessageInfo, 1)
var file_google_ai_generativelanguage_v1beta_permission_proto_goTypes
 = []any{
 (Permission_GranteeType)(0), // 0: google.ai.generativelanguage.v1beta.Permission.GranteeType
 (Permission_Role)(0),        // 1: google.ai.generativelanguage.v1beta.Permission.Role
 (*Permission)(nil),          // 2: google.ai.generativelanguage.v1beta.Permission
}
var file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = []int32{
 0, // 0: google.ai.generativelanguage.v1beta.Permission.grantee_type:type_name ->
google.ai.generativelanguage.v1beta.Permission.GranteeType
 1, // 1: google.ai.generativelanguage.v1beta.Permission.role:type_name ->
google.ai.generativelanguage.v1beta.Permission.Role
 2, // [2:2] is the sub-list for method output_type
 2, // [2:2] is the sub-list for method input_type
 2, // [2:2] is the sub-list for extension type_name
 2, // [2:2] is the sub-list for extension extendee
 0, // [0:2] is the sub-list for field type_name
}

func init() { file_google_ai_generativelanguage_v1beta_permission_proto_init() }
func
 file_google_ai_generativelanguage_v1beta_permission_proto_init() {
 if File_google_ai_generativelanguage_v1beta_permission_proto != nil {
  return
 }
 if !protoimpl.UnsafeEnabled {
  file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].Exporter = func(v any, i int) any {
```

```
  switch v := v.(*Permission); i {
  case 0:
   return &v.state
  case 1:
   return &v.sizeCache
  case 2:
   return &v.unknownFields
  default:
   return nil
  }
 }
}
file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].OneofWrappers = []any{}
type x struct{}
out := protoimpl.TypeBuilder{
 File: protoimpl.DescBuilder{
  GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
  RawDescriptor: file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc,
  NumEnums:      2,
  NumMessages:   1,
  NumExtensions: 0,
  NumServices:   0,
 },
 GoTypes:          file_google_ai_generativelanguage_v1beta_permission_proto_goTypes,
 DependencyIndexes: file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs,
 EnumInfos:
       file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes,
 MessageInfos:      file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes,
}.Build()
File_google_ai_generativelanguage_v1beta_permission_proto = out.File
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = nil
file_google_ai_generativelanguage_v1beta_permission_proto_goTypes = nil
file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = nil
}
// Copyright 2024 Google LLC
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// distributed under the License is distributed on an "AS IS" BASIS,
// WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
// See the License for the specific language governing permissions and
// limitations under the License.
```

```
// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute

import (
 "bytes"
 "context"
 "fmt"
 "io"
 "math"
 "net/http"
 "net/url"
 "time"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/googleapi"
 "google.golang.org/api/iterator"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport
 "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/protobuf/encoding/protojson"
 "google.golang.org/protobuf/proto"
)

var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
 Delete            []gax.CallOption
 Get               []gax.CallOption
 GetIamPolicy      []gax.CallOption
 Insert            []gax.CallOption
 List              []gax.CallOption
 SetIamPolicy      []gax.CallOption
 TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
 return &LicensesCallOptions{
  Delete: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  Get: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
```

```
   return gax.OnHTTPCodes(gax.Backoff{
    Initial:    100 * time.Millisecond,
    Max:        60000 * time.Millisecond,
    Multiplier: 1.30,
   },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
  }),
 },
 GetIamPolicy:
[]gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
  gax.WithRetry(func() gax.Retryer {
   return gax.OnHTTPCodes(gax.Backoff{
    Initial:    100 * time.Millisecond,
    Max:        60000 * time.Millisecond,
    Multiplier: 1.30,
   },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
  }),
 },
 Insert: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
 },
 List: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
  gax.WithRetry(func() gax.Retryer {
   return gax.OnHTTPCodes(gax.Backoff{
    Initial:    100 * time.Millisecond,
    Max:        60000 * time.Millisecond,
    Multiplier: 1.30,
   },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
  }),
 },
 SetIamPolicy: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
 },
 TestIamPermissions: []gax.CallOption{
  gax.WithTimeout(600000
* time.Millisecond),
 },
 }
}

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
```

```
type internalLicensesClient interface {
 Close() error
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
 Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
 Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
 GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
 List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
 SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse,
 error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicensesClient

 // The call options for this service.
 CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
 return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

//
 Connection returns a connection to the API service.
//
```

```
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
 return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption) (*computepb.License, error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy
 for a resource. May be empty if no such policy or resource exists. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
 return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
 list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
 return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
```

```
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use
 only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // operationClient is used to call the operation-specific management service.
 operationClient *GlobalOperationsClient

 // The x-goog-* headers to be sent with each request.
 xGoogHeaders []string

 // Points back to the CallOptions field of the containing LicensesClient
 CallOptions **LicensesCallOptions
}

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx
 context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
 clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicensesRESTCallOptions()
 c := &licensesRESTClient{
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
```

```
 }
 c.setGoogleClientInfo()

 o := []option.ClientOption{
  option.WithHTTPClient(httpClient),
  option.WithEndpoint(endpoint),
 }
 opC, err := NewGlobalOperationsRESTClient(ctx, o...)
 if err != nil {
  return nil, err
 }
 c.operationClient = opC

 return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultEndpointTemplate("https://compute.UNIVERSE_DOMAIN"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultUniverseDomain("googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
  internaloption.EnableNewAuthLibrary(),
 }
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogHeaders = []string{
  "x-goog-api-client", gax.XGoogHeader(kv...),
 }
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
 // Replace httpClient with nil to force cleanup.
 c.httpClient
 = nil
 if err := c.operationClient.Close(); err != nil {
  return err
```

```
 }
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
 return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params",
 fmt.Sprintf("%s=%v&%s=%v", "project", url.QueryEscape(req.GetProject()), "license",
url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
```

```
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf,
err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 // Build HTTP headers from client and context metadata.
```

```
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()),
 "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.License{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err
 := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}
```

```
// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

 params := url.Values{}
 if req != nil && req.OptionsRequestedPolicyVersion != nil {
  params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and
 context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()
```

```
 if err = googleapi.CheckResponse(httpRsp);
err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetLicenseResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId",
 fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()
```

```
// Build HTTP headers from client and context metadata.
hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v", "project", url.QueryEscape(req.GetProject()))}

hds = append(c.xGoogHeaders, hds...)
hds = append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err !=
nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
```

```
  proto:   resp,
  project: req.GetProject(),
  },
 }
 return op, nil
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-
cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating
Cloud Marketplace images.
func (c *licensesRESTClient)
 List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
 it := &LicenseIterator{}
 req = proto.Clone(req).(*computepb.ListLicensesRequest)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
  resp := &computepb.LicensesListResponse{}
  if pageToken != "" {
   req.PageToken = proto.String(pageToken)
  }
  if pageSize > math.MaxInt32 {
   req.MaxResults = proto.Uint32(math.MaxInt32)
  } else if pageSize != 0 {
   req.MaxResults = proto.Uint32(uint32(pageSize))
  }
  baseUrl, err := url.Parse(c.endpoint)
  if err != nil {
   return nil, "", err
  }
  baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

  params := url.Values{}
  if req != nil && req.Filter != nil {
   params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
  }
  if req != nil && req.MaxResults != nil {
   params.Add("maxResults",
 fmt.Sprintf("%v", req.GetMaxResults()))
  }
  if req != nil && req.OrderBy != nil {
   params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
  }
  if req != nil && req.PageToken != nil {
   params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
  }
  if req != nil && req.ReturnPartialSuccess != nil {
```

```
 params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := append(c.xGoogHeaders, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return
err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, "", e
 }
 it.Response = resp
 return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
```

```
  items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
  if err != nil {
   return "", err
  }
  it.items = append(it.items, items...)
  return nextPageToken, nil
 }

 it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
 it.pageInfo.MaxSize = int(req.GetMaxResults())
 it.pageInfo.Token = req.GetPageToken()

 return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only
 by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetGlobalSetPolicyRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
 opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
```

```
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}

// TestIamPermissions returns permissions that a caller has on
 the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }
```

```
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type",
 "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
```

```
  return err
 }

 return
nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}
```

1.6914 google-cloud-go-storage 1.43.0

1.6914.1 Available under license :

```
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute_test
```

```
import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
 "google.golang.org/api/iterator"
)

func ExampleNewLicensesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will
 require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicensesClient_Delete() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.DeleteLicenseRequest{
  //
 TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
 }
 op, err := c.Delete(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
```

```
 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
 }
 resp,
 err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
```

```
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetIamPolicyLicenseRequest.
 }
 resp, err := c.GetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_Insert()
 {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.InsertLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
 }
 op, err := c.Insert(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_List() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template
 only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
```

```
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.ListLicensesRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
}
it := c.List(ctx, req)
for {
 resp, err := it.Next()
 if err == iterator.Done {
  break
 }
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp

 // If you need to access the underlying RPC response,
 // you can do so by casting the `Response` as below.
 // Otherwise, remove this line. Only populated after
 // first call to Next(). Not safe for concurrent access.
 _ = it.Response.(*computepb.LicensesListResponse)
}
}

func
 ExampleLicensesClient_SetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.SetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
 }
 resp, err := c.SetIamPolicy(ctx, req)
```

```
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically
 generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
 }
 resp, err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.
```

```
package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleNewLicenseCodesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 //
 - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicenseCodesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseCodeRequest{
  // TODO: Fill request
 struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
 }
 resp, err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
```

```
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseCodeRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
 }
 resp,
 err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
```

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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
// protoc-gen-go v1.34.2
// protoc   v4.25.3
// source: google/ai/generativelanguage/v1beta/permission.proto

```
package generativelanguagepb

import (
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
)

const
 (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Defines types of the grantee of this permission.
type Permission_GranteeType int32

const (
 // The default value. This value is unused.
 Permission_GRANTEE_TYPE_UNSPECIFIED Permission_GranteeType = 0
 // Represents a user. When set, you must provide email_address for the user.
 Permission_USER Permission_GranteeType = 1
 // Represents a group. When set, you must provide email_address for the
 // group.
 Permission_GROUP Permission_GranteeType = 2
 // Represents access to everyone. No extra information is required.
 Permission_EVERYONE Permission_GranteeType = 3
)

// Enum value maps for Permission_GranteeType.
var (
 Permission_GranteeType_name = map[int32]string{
  0: "GRANTEE_TYPE_UNSPECIFIED",
  1: "USER",
  2:
 "GROUP",
  3: "EVERYONE",
 }
 Permission_GranteeType_value = map[string]int32{
  "GRANTEE_TYPE_UNSPECIFIED": 0,
  "USER":                     1,
  "GROUP":                    2,
  "EVERYONE":                 3,
```

```
 }
)

func (x Permission_GranteeType) Enum() *Permission_GranteeType {
 p := new(Permission_GranteeType)
 *p = x
 return p
}

func (x Permission_GranteeType) String() string {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_GranteeType) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0].Descriptor()
}

func (Permission_GranteeType) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0]
}

func (x Permission_GranteeType) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_GranteeType.Descriptor instead.
func (Permission_GranteeType) EnumDescriptor() ([]byte,
 []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 0}
}

// Defines the role granted by this permission.
type Permission_Role int32

const (
 // The default value. This value is unused.
 Permission_ROLE_UNSPECIFIED Permission_Role = 0
 // Owner can use, update, share and delete the resource.
 Permission_OWNER Permission_Role = 1
 // Writer can use, update and share the resource.
 Permission_WRITER Permission_Role = 2
 // Reader can use the resource.
 Permission_READER Permission_Role = 3
)

// Enum value maps for Permission_Role.
var (
 Permission_Role_name = map[int32]string{
```

```
  0: "ROLE_UNSPECIFIED",
  1: "OWNER",
  2: "WRITER",
  3: "READER",
 }
 Permission_Role_value = map[string]int32{
  "ROLE_UNSPECIFIED": 0,
  "OWNER":           1,
  "WRITER":          2,
  "READER":          3,
 }
)

func (x Permission_Role) Enum() *Permission_Role {
 p := new(Permission_Role)
 *p = x
 return p
}

func (x Permission_Role) String() string {
 return
 protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_Role) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1].Descriptor()
}

func (Permission_Role) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1]
}

func (x Permission_Role) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_Role.Descriptor instead.
func (Permission_Role) EnumDescriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 1}
}

// Permission resource grants user, group or the rest of the world access to the
// PaLM API resource (e.g. a tuned model, corpus).
//
// A role is a collection of permitted operations that allows users to perform
// specific actions on PaLM API resources. To make them available to users,
// groups, or service accounts,
```

```
 you assign roles. When you assign a role, you
// grant permissions that the role contains.
//
// There are three concentric roles. Each role is a superset of the previous
// role's permitted operations:
//
// - reader can use the resource (e.g. tuned model, corpus) for inference
// - writer has reader's permissions and additionally can edit and share
// - owner has writer's permissions and additionally can delete
type Permission struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Output only. Identifier. The permission name. A unique name will be
 // generated on create. Examples:
 //
 // tunedModels/{tuned_model}/permissions/{permission}
 // corpora/{corpus}/permissions/{permission}
 //
 // Output only.
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Optional. Immutable. The type of the grantee.
 GranteeType *Permission_GranteeType
`protobuf:"varint,2,opt,name=grantee_type,json=granteeType,proto3,enum=google.ai.generativelanguage.v1beta.Pe
rmission_GranteeType,oneof"
 json:"grantee_type,omitempty"`
 // Optional. Immutable. The email address of the user of group which this
 // permission refers. Field is not set when permission's grantee type is
 // EVERYONE.
 EmailAddress *string `protobuf:"bytes,3,opt,name=email_address,json=emailAddress,proto3,oneof"
json:"email_address,omitempty"`
 // Required. The role granted by this permission.
 Role *Permission_Role
`protobuf:"varint,4,opt,name=role,proto3,enum=google.ai.generativelanguage.v1beta.Permission_Role,oneof"
json:"role,omitempty"`
}

func (x *Permission) Reset() {
 *x = Permission{}
 if protoimpl.UnsafeEnabled {
  mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  ms.StoreMessageInfo(mi)
 }
}

func (x *Permission) String() string {
```

```
 return protoimpl.X.MessageStringOf(x)
}

func (*Permission) ProtoMessage() {}

func (x *Permission)
 ProtoReflect() protoreflect.Message {
 mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
 if protoimpl.UnsafeEnabled && x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use Permission.ProtoReflect.Descriptor instead.
func (*Permission) Descriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0}
}

func (x *Permission) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *Permission) GetGranteeType() Permission_GranteeType {
 if x != nil && x.GranteeType != nil {
  return *x.GranteeType
 }
 return Permission_GRANTEE_TYPE_UNSPECIFIED
}

func (x *Permission) GetEmailAddress() string {
 if x != nil && x.EmailAddress != nil {
  return *x.EmailAddress
 }
 return ""
}

func (x *Permission) GetRole() Permission_Role {
 if x != nil && x.Role
 != nil {
  return *x.Role
```

```
 }
 return Permission_ROLE_UNSPECIFIED
}

var File_google_ai_generativelanguage_v1beta_permission_proto protoreflect.FileDescriptor

var file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = []byte{
 0x0a, 0x34, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x23, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x1a, 0x1f, 0x67, 0x6f, 0x6f,
 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x62, 0x65,
 0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a,
 0x19, 0x67, 0x6f,
 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75, 0x72, 0x63,
 0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0x85, 0x05, 0x0a, 0x0a, 0x50, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x1a, 0x0a, 0x04, 0x6e, 0x61, 0x6d, 0x65, 0x18, 0x01,
 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x03, 0xe0, 0x41, 0x08, 0x52, 0x04, 0x6e, 0x61,
 0x6d, 0x65, 0x12, 0x6b, 0x0a, 0x0c, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f, 0x74, 0x79,
 0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0e, 0x32, 0x3b, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c,
 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65,
 0x65, 0x54, 0x79, 0x70, 0x65, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x00, 0x52,
 0x0b, 0x67,
 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x88, 0x01, 0x01, 0x12,
 0x30, 0x0a, 0x0d, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73,
 0x18, 0x03, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x01,
 0x52, 0x0c, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x41, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73, 0x88, 0x01,
 0x01, 0x12, 0x52, 0x0a, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x18, 0x04, 0x20, 0x01, 0x28, 0x0e, 0x32,
 0x34, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x52, 0x6f, 0x6c, 0x65, 0x42, 0x03, 0xe0, 0x41, 0x02, 0x48, 0x02, 0x52, 0x04, 0x72, 0x6f,
 0x6c, 0x65, 0x88, 0x01, 0x01, 0x22, 0x4e, 0x0a, 0x0b, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65,
 0x54, 0x79, 0x70, 0x65, 0x12, 0x1c, 0x0a,
 0x18, 0x47, 0x52, 0x41, 0x4e, 0x54, 0x45, 0x45, 0x5f,
 0x54, 0x59, 0x50, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45, 0x44,
 0x10, 0x00, 0x12, 0x08, 0x0a, 0x04, 0x55, 0x53, 0x45, 0x52, 0x10, 0x01, 0x12, 0x09, 0x0a, 0x05,
 0x47, 0x52, 0x4f, 0x55, 0x50, 0x10, 0x02, 0x12, 0x0c, 0x0a, 0x08, 0x45, 0x56, 0x45, 0x52, 0x59,
 0x4f, 0x4e, 0x45, 0x10, 0x03, 0x22, 0x3f, 0x0a, 0x04, 0x52, 0x6f, 0x6c, 0x65, 0x12, 0x14, 0x0a,
 0x10, 0x52, 0x4f, 0x4c, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45,
 0x44, 0x10, 0x00, 0x12, 0x09, 0x0a, 0x05, 0x4f, 0x57, 0x4e, 0x45, 0x52, 0x10, 0x01, 0x12, 0x0a,
 0x0a, 0x06, 0x57, 0x52, 0x49, 0x54, 0x45, 0x52, 0x10, 0x02, 0x12, 0x0a, 0x0a, 0x06, 0x52, 0x45,
 0x41, 0x44, 0x45, 0x52, 0x10, 0x03, 0x3a, 0xaa, 0x01, 0xea, 0x41, 0xa6, 0x01, 0x0a, 0x2c, 0x67,
 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67,
```

```
 0x65, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73,
 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x32, 0x74, 0x75, 0x6e,
 0x65, 0x64, 0x4d, 0x6f, 0x64, 0x65, 0x6c, 0x73, 0x2f, 0x7b, 0x74, 0x75, 0x6e, 0x65, 0x64, 0x5f,
 0x6d, 0x6f, 0x64, 0x65, 0x6c, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f,
 0x6e, 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x12,
 0x29, 0x63, 0x6f, 0x72, 0x70, 0x6f, 0x72, 0x61, 0x2f, 0x7b, 0x63, 0x6f, 0x72, 0x70, 0x75, 0x73,
 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x2f, 0x7b, 0x70,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x2a, 0x0b, 0x70, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x32, 0x0a, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73,
 0x69, 0x6f, 0x6e, 0x42, 0x0f, 0x0a, 0x0d, 0x5f, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f,
 0x74, 0x79, 0x70, 0x65, 0x42, 0x10, 0x0a, 0x0e, 0x5f, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61,
 0x64,
 0x64, 0x72, 0x65, 0x73, 0x73, 0x42, 0x07, 0x0a, 0x05, 0x5f, 0x72, 0x6f, 0x6c, 0x65, 0x42,
 0x9b, 0x01, 0x0a, 0x27, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x42, 0x0f, 0x50, 0x65, 0x72,
 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x50, 0x01, 0x5a, 0x5d,
 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x67, 0x6f, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76,
 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x76, 0x31, 0x62,
 0x65, 0x74, 0x61, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61,
 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x3b, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74,
 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e,
 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x62, 0x06, 0x70,
 0x72, 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce sync.Once
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc
)

func file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP() []byte {
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce.Do(func() {
  file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData)
 })
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData
}

var file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes = make([]protoimpl.EnumInfo, 2)
var file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes = make([]protoimpl.MessageInfo, 1)
var file_google_ai_generativelanguage_v1beta_permission_proto_goTypes
 = []any{
 (Permission_GranteeType)(0), // 0: google.ai.generativelanguage.v1beta.Permission.GranteeType
 (Permission_Role)(0),        // 1: google.ai.generativelanguage.v1beta.Permission.Role
```

```
 (*Permission)(nil),          // 2: google.ai.generativelanguage.v1beta.Permission
}
var file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = []int32{
 0, // 0: google.ai.generativelanguage.v1beta.Permission.grantee_type:type_name ->
google.ai.generativelanguage.v1beta.Permission.GranteeType
 1, // 1: google.ai.generativelanguage.v1beta.Permission.role:type_name ->
google.ai.generativelanguage.v1beta.Permission.Role
 2, // [2:2] is the sub-list for method output_type
 2, // [2:2] is the sub-list for method input_type
 2, // [2:2] is the sub-list for extension type_name
 2, // [2:2] is the sub-list for extension extendee
 0, // [0:2] is the sub-list for field type_name
}

func init() { file_google_ai_generativelanguage_v1beta_permission_proto_init() }
func
 file_google_ai_generativelanguage_v1beta_permission_proto_init() {
 if File_google_ai_generativelanguage_v1beta_permission_proto != nil {
  return
 }
 if !protoimpl.UnsafeEnabled {
  file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].Exporter = func(v any, i int) any {
   switch v := v.(*Permission); i {
   case 0:
    return &v.state
   case 1:
    return &v.sizeCache
   case 2:
    return &v.unknownFields
   default:
    return nil
   }
  }
 }
 file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].OneofWrappers = []any{}
 type x struct{}
 out := protoimpl.TypeBuilder{
  File: protoimpl.DescBuilder{
   GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
   RawDescriptor: file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc,
   NumEnums:      2,
   NumMessages:   1,
   NumExtensions: 0,
   NumServices:   0,
  },
  GoTypes:           file_google_ai_generativelanguage_v1beta_permission_proto_goTypes,
  DependencyIndexes: file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs,
  EnumInfos:
```

```
        file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes,
 MessageInfos:      file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes,
 }.Build()
 File_google_ai_generativelanguage_v1beta_permission_proto = out.File
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_goTypes = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = nil
}
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// WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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// limitations under the License.

// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute

import (
 "bytes"
 "context"
 "fmt"
 "io"
 "math"
 "net/http"
 "net/url"
 "time"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/googleapi"
 "google.golang.org/api/iterator"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport
 "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/protobuf/encoding/protojson"
 "google.golang.org/protobuf/proto"
)
```

```
var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
 Delete            []gax.CallOption
 Get               []gax.CallOption
 GetIamPolicy      []gax.CallOption
 Insert            []gax.CallOption
 List              []gax.CallOption
 SetIamPolicy      []gax.CallOption
 TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
 return &LicensesCallOptions{
  Delete: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  Get: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  GetIamPolicy:
 []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  Insert: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  List: []gax.CallOption{
```

```
  gax.WithTimeout(600000 * time.Millisecond),
  gax.WithRetry(func() gax.Retryer {
   return gax.OnHTTPCodes(gax.Backoff{
    Initial:    100 * time.Millisecond,
    Max:        60000 * time.Millisecond,
    Multiplier: 1.30,
   },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
  }),
 },
 SetIamPolicy: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
 },
 TestIamPermissions: []gax.CallOption{
  gax.WithTimeout(600000
* time.Millisecond),
 },
}
}

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
 Close() error
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
 Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
 Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
 GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
 List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
 SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse,
 error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicensesClient
```

```
 // The call options for this service.
 CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
 return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

//
 Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
 return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy
 for a resource. May be empty if no such policy or resource exists. Caution This resource is intended for use only by
third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.GetIamPolicy(ctx, req, opts...)
```

```
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
 return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
 list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-
cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating
Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption)
*LicenseIterator {
 return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use
 only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // operationClient is used to call the operation-specific management service.
 operationClient *GlobalOperationsClient

 // The x-goog-* headers to be sent with each request.
```

```
 xGoogHeaders []string

 // Points back to the CallOptions field of the containing LicensesClient
 CallOptions **LicensesCallOptions
}

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx
 context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
 clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicensesRESTCallOptions()
 c := &licensesRESTClient{
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
 }
 c.setGoogleClientInfo()

 o := []option.ClientOption{
  option.WithHTTPClient(httpClient),
  option.WithEndpoint(endpoint),
 }
 opC, err := NewGlobalOperationsRESTClient(ctx, o...)
 if err != nil {
  return nil, err
 }
 c.operationClient = opC

 return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultEndpointTemplate("https://compute.UNIVERSE_DOMAIN"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultUniverseDomain("googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
  internaloption.EnableNewAuthLibrary(),
 }
```

```
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogHeaders = []string{
  "x-goog-api-client", gax.XGoogHeader(kv...),
 }
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
 // Replace httpClient with nil to force cleanup.
 c.httpClient
 = nil
 if err := c.operationClient.Close(); err != nil {
  return err
 }
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
 return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }
```

```
baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
hds := []string{"x-goog-request-params",
fmt.Sprintf("%s=%v&%s=%v", "project", url.QueryEscape(req.GetProject()), "license",
url.QueryEscape(req.GetLicense()))}

hds = append(c.xGoogHeaders, hds...)
hds = append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf,
err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
```

```
 }
 op := &Operation{
  &globalOperationsHandle{
   c:       c.operationClient,
   proto:   resp,
   project: req.GetProject(),
  },
 }
 return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()),
 "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.License{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()
```

```
  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err
 := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

 params := url.Values{}
 if req != nil && req.OptionsRequestedPolicyVersion != nil {
  params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and
 context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
```

```
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp);
 err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
```

```
...gax.CallOption) (*Operation, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetLicenseResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId",
 fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v", "project", url.QueryEscape(req.GetProject()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err !=
 nil {
   return err
  }
  defer httpRsp.Body.Close()
```

```
 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-
cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating
Cloud Marketplace images.
func (c *licensesRESTClient)
 List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
 it := &LicenseIterator{}
 req = proto.Clone(req).(*computepb.ListLicensesRequest)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
  resp := &computepb.LicensesListResponse{}
  if pageToken != "" {
   req.PageToken = proto.String(pageToken)
  }
  if pageSize > math.MaxInt32 {
   req.MaxResults = proto.Uint32(math.MaxInt32)
  } else if pageSize != 0 {
   req.MaxResults = proto.Uint32(uint32(pageSize))
```

```
 }
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, "", err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.Filter != nil {
  params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
 }
 if req != nil && req.MaxResults != nil {
  params.Add("maxResults",
fmt.Sprintf("%v", req.GetMaxResults()))
 }
 if req != nil && req.OrderBy != nil {
  params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
 }
 if req != nil && req.PageToken != nil {
  params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
 }
 if req != nil && req.ReturnPartialSuccess != nil {
  params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := append(c.xGoogHeaders, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return
err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
```

```
    return err
   }

   buf, err := io.ReadAll(httpRsp.Body)
   if err != nil {
    return err
   }

   if err := unm.Unmarshal(buf, resp); err != nil {
    return err
   }

   return nil
  }, opts...)
  if e != nil {
   return nil, "", e
  }
  it.Response = resp
  return resp.GetItems(), resp.GetNextPageToken(), nil
 }

 fetch := func(pageSize int, pageToken string) (string, error) {
  items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
  if err != nil {
   return "", err
  }
  it.items = append(it.items, items...)
  return nextPageToken, nil
 }

 it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
 it.pageInfo.MaxSize = int(req.GetMaxResults())
 it.pageInfo.Token = req.GetPageToken()

 return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only
 by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetGlobalSetPolicyRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }
```

```
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
 opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
```

```
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// TestIamPermissions returns permissions that a caller has on
 the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type",
 "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
```

```
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return
nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}
```

1.6915 protobuf-go 1.35.2

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1.6916 collector-pdata 1.0.0-rcv0016

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1.6917 influxdb-client-go 2.12.3

1.6917.1 Available under license :

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1.6918 aws-sdk-go-v2 1.55.3

1.6918.1 Available under license :

{
"version": "2.0",
"service": " With License Manager, you can create user-based subscriptions to utilize licensed software with a per user subscription fee on Amazon EC2 instances. ",
"operations": {
"AssociateUser": " Associates the user to an EC2 instance to utilize user-based subscriptions. <note> Your estimated bill for charges on the number of users and related costs will take 48 hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your monthly charges in the Amazon Web Services Billing User Guide. </note>",
"DeregisterIdentityProvider": " Deregisters the identity provider from providing user-based subscriptions. ",
"DisassociateUser": " Disassociates the user from an EC2 instance providing user-based subscriptions. ",
"ListIdentityProviders":
" Lists the identity providers for user-based subscriptions. ",
"ListInstances": " Lists the EC2 instances providing user-based subscriptions. ",
"ListProductSubscriptions": " Lists the user-based subscription products available from an identity provider. ",
"ListUserAssociations": " Lists user associations for an identity provider. ",
"RegisterIdentityProvider": " Registers an identity provider for user-based subscriptions. ",

"StartProductSubscription": " Starts a product subscription for a user with the specified identity provider. <note> Your estimated bill for charges on the number of users and related costs will take 48 hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your monthly charges in the Amazon Web Services Billing User Guide. </note>",
"StopProductSubscription": " Stops a product subscription for a user with the specified identity provider. ",
"UpdateIdentityProviderSettings": " Updates additional product configuration settings for the registered identity provider. "
},
"shapes": {
"AccessDeniedException": {
"base": " You don't have sufficient access to perform this action. ",
"refs": {
}
},
"ActiveDirectoryIdentityProvider": {
"base": " Details about an Active Directory identity provider. ",
"refs": {
"IdentityProvider$ActiveDirectoryIdentityProvider": " An object that details an Active Directory identity provider. "
}
},
"AssociateUserRequest": {
"base": null,
"refs": {
}
},
"AssociateUserResponse": {
"base": null,
"refs": {
}
},
"BoxInteger": {
"base": null,
"refs": {
"ListIdentityProvidersRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListInstancesRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListProductSubscriptionsRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListUserAssociationsRequest$MaxResults": " Maximum number of results to return in a single call. "
}
},
"ConflictException": {
"base": " The request couldn't be completed because it conflicted with the current state of the resource. ",
"refs": {

```
    }
  },
  "DeregisterIdentityProviderRequest": {
    "base": null,
    "refs": {
    }
  },
  "DeregisterIdentityProviderResponse": {
    "base": null,
    "refs": {
    }
  },
  "DisassociateUserRequest": {
    "base": null,
    "refs": {
    }
  },
  "DisassociateUserResponse": {
    "base": null,
    "refs": {
    }
  },
  "Filter": {
    "base": "<p>A
 filter name and value pair that is used to return more specific results from a describe operation. Filters can be used
to match a set of resources by specific criteria, such as tags, attributes, or IDs.</p>",
    "refs": {
      "FilterList$member": null
    }
  },
  "FilterList": {
    "base": null,
    "refs": {
      "ListInstancesRequest$Filters": "<p>An array of structures that you can use to filter the results to those that
match one or more sets of key-value pairs that you specify.</p>",
      "ListProductSubscriptionsRequest$Filters": "<p>An array of structures that you can use to filter the results to
those that match one or more sets of key-value pairs that you specify.</p>",
      "ListUserAssociationsRequest$Filters": "<p>An array of structures that you can use to filter the results to those
that match one or more sets of key-value pairs that you specify.</p>"
    }
  },
  "IdentityProvider": {
    "base": "<p>Details about an identity provider.</p>",
    "refs": {
      "AssociateUserRequest$IdentityProvider": "<p>The identity provider of the user.</p>",
      "DeregisterIdentityProviderRequest$IdentityProvider": "<p>An object that specifies details for the identity
provider.</p>",
      "DisassociateUserRequest$IdentityProvider": "<p>An object that specifies details for the identity
```

provider. ",
"IdentityProviderSummary$IdentityProvider": " An object that specifies details for the identity provider. ",
"InstanceUserSummary$IdentityProvider": " An object that specifies details for the identity provider. ",
"ListProductSubscriptionsRequest$IdentityProvider": " An object that specifies details for the identity provider. ",
"ListUserAssociationsRequest$IdentityProvider": " An object that specifies details for the identity provider. ",
"ProductUserSummary$IdentityProvider": " An object that specifies details for the identity provider. ",
"RegisterIdentityProviderRequest$IdentityProvider":
" An object that specifies details for the identity provider. ",
"StartProductSubscriptionRequest$IdentityProvider": " An object that specifies details for the identity provider. ",
"StopProductSubscriptionRequest$IdentityProvider": " An object that specifies details for the identity provider. ",
"UpdateIdentityProviderSettingsRequest$IdentityProvider": null
}
},
"IdentityProviderSummary": {
"base": " Describes an identity provider. ",
"refs": {
"DeregisterIdentityProviderResponse$IdentityProviderSummary": " Metadata that describes the results of an identity provider operation. ",
"IdentityProviderSummaryList$member": null,
"RegisterIdentityProviderResponse$IdentityProviderSummary": " Metadata that describes the results of an identity provider operation. ",
"UpdateIdentityProviderSettingsResponse$IdentityProviderSummary": null

}
},
"IdentityProviderSummaryList": {
"base": null,
"refs": {
"ListIdentityProvidersResponse$IdentityProviderSummaries": " Metadata that describes the list identity providers operation. "
}
},
"InstanceSummary": {
"base": " Describes an EC2 instance providing user-based subscriptions. ",
"refs": {
"InstanceSummaryList$member": null
}
},
"InstanceSummaryList": {
"base": null,
"refs": {
"ListInstancesResponse$InstanceSummaries": " Metadata that describes the list instances operation. "
}

},
"InstanceUserSummary": {
"base": " Describes users of an EC2 instance providing user-based subscriptions. ",
"refs": {
"AssociateUserResponse$InstanceUserSummary": " Metadata that describes the associate user operation. ",
"DisassociateUserResponse$InstanceUserSummary": " Metadata that describes the associate user operation. ",

"InstanceUserSummaryList$member": null
}
},
"InstanceUserSummaryList": {
"base": null,
"refs": {
"ListUserAssociationsResponse$InstanceUserSummaries": " Metadata that describes the list user association operation. "
}
},
"InternalServerException": {
"base": " An exception occurred with the service. ",
"refs": {
}
},
"ListIdentityProvidersRequest": {
"base": null,
"refs": {
}
},
"ListIdentityProvidersResponse": {
"base": null,
"refs": {
}
},
"ListInstancesRequest": {
"base": null,
"refs": {
}
},
"ListInstancesResponse": {
"base": null,
"refs": {
}
},
"ListProductSubscriptionsRequest": {
"base": null,
"refs": {
}

},
"ListProductSubscriptionsResponse": {
"base": null,
"refs": {
}
},
"ListUserAssociationsRequest": {
"base": null,
"refs": {
}
},
"ListUserAssociationsResponse": {
"base": null,
"refs": {
}
},
"ProductUserSummary": {
"base": " The summary of the user-based subscription products for a user. ",
"refs": {
"ProductUserSummaryList$member": null,
"StartProductSubscriptionResponse$ProductUserSummary": " Metadata that describes the start product subscription operation. ",
"StopProductSubscriptionResponse$ProductUserSummary": " Metadata that describes the start product subscription operation. "
}
},
"ProductUserSummaryList": {
"base": null,
"refs": {
"ListProductSubscriptionsResponse$ProductUserSummaries": " Metadata that describes the list product subscriptions operation. "
}
},
"RegisterIdentityProviderRequest": {
"base": null,
"refs": {
}
},
"RegisterIdentityProviderResponse": {
"base": null,
"refs": {
}
},
"ResourceNotFoundException":
{
"base": " The resource couldn't be found. ",
"refs": {
}

},
"SecurityGroup": {
"base": null,
"refs": {
"Settings$SecurityGroupId": " A security group ID that allows inbound TCP port 1688 communication between resources in your VPC and the VPC endpoint for activation servers. ",
"UpdateSettings$SecurityGroupId": " A security group ID that allows inbound TCP port 1688 communication between resources in your VPC and the VPC endpoints for activation servers. "
}
},
"ServiceQuotaExceededException": {
"base": " The request failed because a service quota is exceeded. ",
"refs": {
}
},
"Settings": {
"base": " The registered identity providers product related configuration settings such as the subnets to provision VPC endpoints, and the security group ID that is associated with the VPC endpoints. The security group should permit inbound TCP port 1688 communication
from resources in the VPC. ",
"refs": {
"IdentityProviderSummary$Settings": " An object that details the registered identity providers product related configuration settings such as the subnets to provision VPC endpoints. ",
"RegisterIdentityProviderRequest$Settings": " The registered identity providers product related configuration settings such as the subnets to provision VPC endpoints. "
}
},
"SettingsSubnetsList": {
"base": null,
"refs": {
"Settings$Subnets": " The subnets defined for the registered identity provider. "
}
},
"StartProductSubscriptionRequest": {
"base": null,
"refs": {
}
},
"StartProductSubscriptionResponse": {
"base": null,
"refs": {
}
},
"StopProductSubscriptionRequest": {
"base": null,
"refs": {
}
},

"StopProductSubscriptionResponse": {
"base": null,
"refs": {
}
},
"String":
{
"base": null,
"refs": {
"AccessDeniedException$message": null,
"ActiveDirectoryIdentityProvider$DirectoryId": " The directory ID for an Active Directory identity provider. ",
"AssociateUserRequest$Domain": " The domain name of the user. ",
"AssociateUserRequest$InstanceId": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"AssociateUserRequest$Username": " The user name from the identity provider for the user. ",
"ConflictException$message": null,
"DeregisterIdentityProviderRequest$Product": " The name of the user-based subscription product. ",
"DisassociateUserRequest$Domain": " The domain name of the user. ",
"DisassociateUserRequest$InstanceId": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"DisassociateUserRequest$Username": " The user name from the identity provider for the user. ",

"Filter$Attribute": " The name of an attribute to use as a filter. ",
"Filter$Operation": " The type of search (For example, eq, geq, leq) ",
"Filter$Value": " Value of the filter. ",
"IdentityProviderSummary$FailureMessage": " The failure message associated with an identity provider. ",
"IdentityProviderSummary$Product": " The name of the user-based subscription product. ",
"IdentityProviderSummary$Status": " The status of an identity provider. ",
"InstanceSummary$InstanceId": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"InstanceSummary$LastStatusCheckDate": " The date of the last status check. ",
"InstanceSummary$Status": " The status of an EC2 instance resource. ",
"InstanceSummary$StatusMessage": " The status message for an EC2 instance. ",
"InstanceUserSummary$AssociationDate": " The date a user was associated with an EC2 instance. ",
"InstanceUserSummary$DisassociationDate": " The date a user was disassociated from an EC2 instance. ",
"InstanceUserSummary$Domain": " The domain name of the user. ",
"InstanceUserSummary$InstanceId": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"InstanceUserSummary$Status": " The status of a user associated with an EC2 instance. ",
"InstanceUserSummary$StatusMessage": " The status message for users of an EC2 instance. ",
"InstanceUserSummary$Username": " The user name from the identity provider for the user. ",
"InternalServerException$message": null,
"ListIdentityProvidersRequest$NextToken": " Token for the next set of results. ",
"ListIdentityProvidersResponse$NextToken": " Token for the next set of results. ",

"ListInstancesRequest$NextToken": " Token for the next set of results. ",
"ListInstancesResponse$NextToken":
" Token for the next set of results. ",
"ListProductSubscriptionsRequest$NextToken": " Token for the next set of results. ",
"ListProductSubscriptionsRequest$Product": " The name of the user-based subscription product. ",
"ListProductSubscriptionsResponse$NextToken": " Token for the next set of results. ",
"ListUserAssociationsRequest$InstanceId": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"ListUserAssociationsRequest$NextToken": " Token for the next set of results. ",
"ListUserAssociationsResponse$NextToken": " Token for the next set of results. ",
"ProductUserSummary$Domain": " The domain name of the user. ",
"ProductUserSummary$Product": " The name of the user-based subscription product. ",
"ProductUserSummary$Status": " The status of a product for a user. ",
"ProductUserSummary$StatusMessage": " The status
message for a product for a user. ",
"ProductUserSummary$SubscriptionEndDate": " The end date of a subscription. ",
"ProductUserSummary$SubscriptionStartDate": " The start date of a subscription. ",
"ProductUserSummary$Username": " The user name from the identity provider of the user. ",
"RegisterIdentityProviderRequest$Product": " The name of the user-based subscription product. ",
"ResourceNotFoundException$message": null,
"ServiceQuotaExceededException$message": null,
"StartProductSubscriptionRequest$Domain": " The domain name of the user. ",
"StartProductSubscriptionRequest$Product": " The name of the user-based subscription product. ",
"StartProductSubscriptionRequest$Username": " The user name from the identity provider of the user. ",
"StopProductSubscriptionRequest$Domain": " The domain name of the user. ",
"StopProductSubscriptionRequest$Product":
" The name of the user-based subscription product. ",
"StopProductSubscriptionRequest$Username": " The user name from the identity provider for the user. ",
"StringList$member": null,
"ThrottlingException$message": null,
"UpdateIdentityProviderSettingsRequest$Product": " The name of the user-based subscription product. ",
"ValidationException$message": null
}
},
"StringList": {
"base": null,
"refs": {
"InstanceSummary$Products": " A list of provided user-based subscription products. "
}
},
"Subnet": {
"base": null,
"refs": {
"SettingsSubnetsList$member": null,
"Subnets$member": null
}

```
  },
  "Subnets": {
    "base": null,
    "refs": {
      "UpdateSettings$AddSubnets": "<p>The ID of one or more subnets in which License Manager will create a
VPC endpoint for products that require connectivity to activation servers.</p>",
      "UpdateSettings$RemoveSubnets":
 "<p>The ID of one or more subnets to remove.</p>"
    }
  },
  "ThrottlingException": {
    "base": "<p>The request was denied because of request throttling. Retry the request.</p>",
    "refs": {
    }
  },
  "UpdateIdentityProviderSettingsRequest": {
    "base": null,
    "refs": {
    }
  },
  "UpdateIdentityProviderSettingsResponse": {
    "base": null,
    "refs": {
    }
  },
  "UpdateSettings": {
    "base": "<p>Updates the registered identity providers product related configuration settings such as the subnets
to provision VPC endpoints.</p>",
    "refs": {
      "UpdateIdentityProviderSettingsRequest$UpdateSettings": "<p>Updates the registered identity providers
product related configuration settings. You can update any combination of settings in a single operation such as
the:</p> <ul> <li> <p>Subnets which you want to add to provision VPC endpoints.</p> </li> <li> <p>Subnets
which you want to remove the VPC endpoints
 from.</p> </li> <li> <p>Security group ID which permits traffic to the VPC endpoints.</p> </li> </ul>"
    }
  },
  "ValidationException": {
    "base": "<p>A parameter is not valid.</p>",
    "refs": {
    }
  }
 }
}
{
  "version": "1.0",
  "parameters": {
      "Region": {
          "builtIn": "AWS::Region",
```

"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {

"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
},
"rules": [
{
"conditions": [
{
"fn": "aws.partition",
"argv": [
{
"ref": "Region"
}
],
"assign": "PartitionResult"
}
],
"type": "tree",
"rules": [
{
"conditions": [
{
"fn": "isSet",
"argv": [

```
            {
                "ref": "Endpoint"
            }
        ]
    },
    {
        "fn": "parseURL",

      "argv": [
            {
                "ref": "Endpoint"
            }
        ],
        "assign": "url"
    }
],
"type": "tree",
"rules": [
    {
        "conditions": [
            {
                "fn": "booleanEquals",
                "argv": [
                    {
                        "ref": "UseFIPS"
                    },
                    true
                ]
            }
        ],
        "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
        "type": "error"
     },
    {
        "conditions": [],
        "type": "tree",
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            {
                                "ref": "UseDualStack"
                            },
                            true
                        ]
                    }
```

```
                ],
                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                "type": "error"
            },

        {
                "conditions": [],
                "endpoint": {
                    "url": {
                        "ref": "Endpoint"
                    },
                    "properties": {},
                    "headers": {}
                },
                "type": "endpoint"
            }
        ]
    }
  ]
},
{
  "conditions": [
    {
      "fn": "booleanEquals",
      "argv": [
        {
          "ref": "UseFIPS"
        },
        true
      ]

},
    {
      "fn": "booleanEquals",
      "argv": [
        {
          "ref": "UseDualStack"
        },
        true
      ]
    }
  ],
  "type": "tree",
  "rules": [
    {
      "conditions": [
        {
          "fn": "booleanEquals",
```

```
                "argv": [
                  true,
                  {
                    "fn": "getAttr",
                    "argv": [
                      {
                        "ref": "PartitionResult"

        },
                      "supportsFIPS"
                    ]
                  }
                ]
              },
              {
                "fn": "booleanEquals",
                "argv": [
                  true,
                  {
                    "fn": "getAttr",
                    "argv": [
                      {
                        "ref": "PartitionResult"
                      },
                      "supportsDualStack"
                    ]
                  }
                ]
              }

            ],
              "type": "tree",
              "rules": [
                {
                  "conditions": [],
                  "endpoint": {
                    "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                    "properties": {},
                    "headers": {}
                  },
                  "type": "endpoint"
                }
              ]
            },
            {
              "conditions": [],
              "error": "FIPS and DualStack are enabled, but this partition does not support one or both",
```

```
                "type": "error"
            }
        ]
    },

{
        "conditions": [
            {
                "fn": "booleanEquals",
                "argv": [
                    {
                        "ref": "UseFIPS"
                    },
                    true
                ]
            }
        ],
        "type": "tree",
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {
                                "fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsFIPS"
                                ]
                            }
                        ]
                    }
                ],
                "type": "tree",
                "rules": [
                    {
                        "conditions": [],
                        "endpoint": {
                            "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
                            "properties": {},
                            "headers": {}
                        },
                        "type": "endpoint"
```

```
            }
          ]
        },
        {

"conditions": [],
          "error": "FIPS is enabled but this partition does not support FIPS",
          "type": "error"
        }
      ]
    },
    {
      "conditions": [
        {
          "fn": "booleanEquals",
          "argv": [
            {
              "ref": "UseDualStack"
            },
            true
          ]
        }
      ],
      "type": "tree",
      "rules": [
        {
          "conditions": [
            {
              "fn": "booleanEquals",
              "argv": [
                true,

{
                  "fn": "getAttr",
                  "argv": [
                    {
                      "ref": "PartitionResult"
                    },
                    "supportsDualStack"
                  ]
                }
              ]
            }
          ],
          "type": "tree",
          "rules": [
            {
              "conditions": [],
```

"endpoint": {
"url": "https://license-manager-user-subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},

"headers": {}
},
"type": "endpoint"
}
]
},
{
"conditions": [],
"error": "DualStack is enabled but this partition does not support DualStack",
"type": "error"
}
]
},
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-user-subscriptions.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
}
]
}
{
"version": "2.0",
"service": " With License Manager, you can discover and track your commercial Linux subscriptions on running Amazon EC2 instances. ",
"operations": {
"DeregisterSubscriptionProvider": " Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions registered to your account. ",
"GetRegisteredSubscriptionProvider": " Get details for a Bring Your Own License (BYOL) subscription that's registered to your account. ",
"GetServiceSettings": " Lists the Linux subscriptions service settings for your account. ",
"ListLinuxSubscriptionInstances": " Lists the running Amazon EC2 instances that were discovered with commercial Linux subscriptions. ",
"ListLinuxSubscriptions": " Lists the Linux subscriptions that have been discovered. If you have linked your organization, the returned results will include data aggregated across your accounts in Organizations. ",
"ListRegisteredSubscriptionProviders":
" List Bring Your Own License (BYOL) subscription registration resources for your account. ",
"ListTagsForResource": " List the metadata tags that are assigned to the specified Amazon Web Services

resource. ",
"RegisterSubscriptionProvider": " Register the supported third-party subscription provider for your Bring Your Own License (BYOL) subscription. ",
"TagResource": " Add metadata tags to the specified Amazon Web Services resource. ",
"UntagResource": " Remove one or more metadata tag from the specified Amazon Web Services resource. ",
"UpdateServiceSettings": " Updates the service settings for Linux subscriptions. "
},
"shapes": {
"Boolean": {
"base": null,
"refs": {
"UpdateServiceSettingsRequest$AllowUpdate": " Describes if updates are allowed to the service settings for Linux subscriptions. If you allow updates, you can aggregate Linux subscription data in more than one home Region. "
}
},
"BoxInteger": {
"base": null,
"refs": {
"ListLinuxSubscriptionInstancesRequest$MaxResults": " The maximum items to return in a request. ",
"ListLinuxSubscriptionsRequest$MaxResults": " The maximum items to return in a request. "
}
},
"BoxLong": {
"base": null,
"refs": {
"Subscription$InstanceCount": " The total amount of running instances using this subscription. "
}
},
"DeregisterSubscriptionProviderRequest": {
"base": null,
"refs": {
}
},
"DeregisterSubscriptionProviderResponse": {
"base": null,
"refs": {
}
},
"Filter": {
"base": " A filter object that is used to return more specific results from a describe operation. Filters can be used to match a set of resources by specific criteria. ",
"refs": {
"FilterList$member": null
}
},
"FilterList": {

"base": null,
"refs": {

"ListLinuxSubscriptionInstancesRequest$Filters": " An array of structures that you can use to filter the results by your specified criteria. For example, you can specify <code>Region</code> in the <code>Name</code>, with the <code>contains</code> operator to list all subscriptions that match a partial string in the <code>Value</code>, such as <code>us-west</code>. For each filter, you can specify one of the following values for the <code>Name</code> key to streamline results: <ul> <code>AccountID</code>   <code>AmiID</code>   <code>DualSubscription</code>   <code>InstanceID</code>   <code>InstanceType</code>   <code>ProductCode</code>   <code>Region</code>   <code>Status</code>   <code>UsageOperation</code>   For each filter, you can use one of the following <code>Operator</code> values to define the behavior of the filter: <ul> <code>contains</code>   <code>equals</code>   <code>Notequal</code> ",
"ListLinuxSubscriptionsRequest$Filters": " An array of structures that you can use to filter the results to those that match one or more sets of key-value pairs that you specify. For example, you can filter by the name of <code>Subscription</code> with an optional operator to see subscriptions that match, partially match, or don't match a certain subscription's name. The valid names for this filter are: <ul> <code>Subscription</code>   The valid Operators for this filter are: <ul> <code>contains</code>   <code>equals</code>   <code>Notequal</code> "
}
},
"GetRegisteredSubscriptionProviderRequest": {
"base": null,
"refs": {
}
},
"GetRegisteredSubscriptionProviderResponse": {
"base": null,
"refs": {
}
},
"GetServiceSettingsRequest": {
"base": null,
"refs": {
}
},
"GetServiceSettingsResponse": {
"base": null,
"refs": {
}
},
"Instance": {
"base": " Details discovered information about a running instance using Linux subscriptions. ",
"refs": {
"InstanceList$member": null

```
    }
  },
  "InstanceList": {
    "base": null,
    "refs": {
      "ListLinuxSubscriptionInstancesResponse$Instances": "<p>An array that contains instance objects.</p>"
    }
  },
  "InternalServerException": {
    "base": "<p>An exception occurred with the service.</p>",
    "refs": {
    }
  },
  "LinuxSubscriptionsDiscovery": {
    "base": null,
    "refs": {
      "GetServiceSettingsResponse$LinuxSubscriptionsDiscovery": "<p>Lists if discovery has been enabled for
Linux subscriptions.</p>",
      "UpdateServiceSettingsRequest$LinuxSubscriptionsDiscovery":
 "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
      "UpdateServiceSettingsResponse$LinuxSubscriptionsDiscovery": "<p>Lists if discovery has been enabled for
Linux subscriptions.</p>"
    }
  },
  "LinuxSubscriptionsDiscoverySettings": {
    "base": "<p>Lists the settings defined for discovering Linux subscriptions.</p>",
    "refs": {
      "GetServiceSettingsResponse$LinuxSubscriptionsDiscoverySettings": "<p>Lists the settings defined for Linux
subscriptions discovery. The settings include if Organizations integration has been enabled, and which Regions data
will be aggregated from.</p>",
      "UpdateServiceSettingsRequest$LinuxSubscriptionsDiscoverySettings": "<p>The settings defined for Linux
subscriptions discovery. The settings include if Organizations integration has been enabled, and which Regions data
will be aggregated from.</p>",
      "UpdateServiceSettingsResponse$LinuxSubscriptionsDiscoverySettings": "<p>The settings defined
 for Linux subscriptions discovery. The settings include if Organizations integration has been enabled, and which
Regions data will be aggregated from.</p>"
    }
  },
  "ListLinuxSubscriptionInstancesRequest": {
    "base": "<p>NextToken length limit is half of ddb accepted limit. Increase this limit if parameters in request
increases.</p>",
    "refs": {
    }
  },
  "ListLinuxSubscriptionInstancesRequestNextTokenString": {
    "base": null,
    "refs": {
      "ListLinuxSubscriptionInstancesRequest$NextToken": "<p>A token to specify where to start paginating. This is
```

the nextToken from a previously truncated response. "
    }
  },
  "ListLinuxSubscriptionInstancesResponse": {
    "base": null,
    "refs": {
    }
  },
  "ListLinuxSubscriptionsRequest": {
    "base": " NextToken length limit is half of ddb accepted limit. Increase this limit if parameters in request increases. ",
    "refs": {
    }
  },
  "ListLinuxSubscriptionsRequestNextTokenString":
 {
    "base": null,
    "refs": {
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  "ListLinuxSubscriptionsResponse": {
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"Filter$Operator": " An operator for filtering results. "
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"OrganizationIntegration": {
"base": null,
"refs": {
"LinuxSubscriptionsDiscoverySettings$OrganizationIntegration": " Details if you have enabled resource discovery across your accounts in Organizations. "
}
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"ProductCodeList": {
"base": null,
"refs": {
"Instance$ProductCode": " The product code for the instance. For more information, see Usage operation values in the License Manager User Guide . "
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"RegisterSubscriptionProviderRequest": {
"base": null,
"refs": {
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"RegisterSubscriptionProviderResponse": {
"base": null,
"refs": {
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"RegisteredSubscriptionProvider": {
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"refs": {
"RegisteredSubscriptionProviderList$member": null
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"RegisteredSubscriptionProviderList": {
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"refs": {
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"ResourceNotFoundException": {
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"refs": {
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"SecretArn": {
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"refs": {
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"RegisterSubscriptionProviderRequest$SecretArn": " The Amazon Resource Name (ARN) of the secret where you've stored your subscription provider's access token. For RHEL subscriptions managed through the Red Hat Subscription Manager (RHSM), the secret contains your Red Hat Offline token. ",
"RegisteredSubscriptionProvider$SecretArn": " The Amazon Resource Name (ARN) of the Secrets Manager secret that stores your registered Linux subscription provider access token. For RHEL account subscriptions, this is the offline token. "
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"Status": {
"base": null,
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"GetServiceSettingsResponse$Status": " Indicates the status of Linux subscriptions settings being applied. ",
"UpdateServiceSettingsResponse$Status": " Indicates the status of Linux subscriptions settings being applied. "
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"String": {
"base": null,
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"Filter$Name": " The type of name to filter by. ",
"GetRegisteredSubscriptionProviderResponse$LastSuccessfulDataRetrievalTime": " The timestamp from the last time License Manager retrieved subscription details from your registered third-party Linux subscription provider. ",
"GetRegisteredSubscriptionProviderResponse$SubscriptionProviderStatusMessage": " The detailed message from your subscription provider token status. ",
"Instance$AccountID": " The account ID which owns the instance. ",
"Instance$AmiId": " The AMI ID used to launch the instance. ",
"Instance$DualSubscription": " Indicates that you have two different license subscriptions for the same software on your instance. ",
"Instance$InstanceID": " The instance ID of the resource. ",
"Instance$InstanceType": " The instance type of the resource. ",

"Instance$LastUpdatedTime": " The time in which the last discovery updated the instance details. ",
"Instance$OsVersion":
" The operating system software version that runs on your instance. ",
"Instance$Region": " The Region the instance is running in. ",
"Instance$RegisteredWithSubscriptionProvider": " Indicates that your instance uses a BYOL license subscription from a third-party Linux subscription provider that you've registered with License Manager. ",
"Instance$Status": " The status of the instance. ",
"Instance$SubscriptionName": " The name of the license subscription that the instance uses. ",
"Instance$SubscriptionProviderCreateTime": " The timestamp when you registered the third-party Linux subscription provider for the subscription that the instance uses. ",
"Instance$SubscriptionProviderUpdateTime": " The timestamp from the last time that the instance synced with the registered third-party Linux subscription provider. ",
"Instance$UsageOperation": " The usage operation of the instance. For more information,
see For more information, see Usage operation values in the License Manager User Guide. ",
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"ListLinuxSubscriptionsResponse$NextToken": " The next token used for paginated responses. When this field isn't empty, there are additional elements that the service hasn't included in this request. Use this token with the next request to retrieve additional objects. ",
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"RegisteredSubscriptionProvider$LastSuccessfulDataRetrievalTime": " The timestamp from the last time that License Manager accessed third-party subscription data for your account from your registered Linux subscription provider. ",
"RegisteredSubscriptionProvider$SubscriptionProviderStatusMessage": " A detailed message that's associated with your BYOL subscription provider token status. ",
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"Subscription$Type": " The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS. ",
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"Tags$value": null,
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"ValidationException$message": null
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"Filter$Values": " One or more values for the name to filter by. ",
"GetServiceSettingsResponse$HomeRegions": " The Region in which License Manager displays the aggregated data for Linux subscriptions. ",
"LinuxSubscriptionsDiscoverySettings$SourceRegions": " The Regions in which to discover data for Linux subscriptions. ",
"UpdateServiceSettingsResponse$HomeRegions": " The Region in which License Manager displays the aggregated data for Linux subscriptions. "
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"StringList$member": null
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"refs": {
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"UpdateServiceSettingsResponse$StatusMessage": " A message which details the Linux subscriptions service settings current status. "
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"ListLinuxSubscriptionsResponse$Subscriptions": " An array that contains subscription objects. "
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"DeregisterSubscriptionProviderRequest$SubscriptionProviderArn": " The Amazon Resource Name (ARN) of the subscription provider resource to deregister. ",
"GetRegisteredSubscriptionProviderRequest$SubscriptionProviderArn": " The Amazon Resource Name (ARN) of the BYOL registration resource to get details for. ",
"GetRegisteredSubscriptionProviderResponse$SubscriptionProviderArn": " The Amazon Resource Name (ARN) for the BYOL registration resource specified in the request. ",
"ListTagsForResourceRequest$resourceArn": " The Amazon Resource Name (ARN) of the resource for which to list metadata tags. ",
"RegisteredSubscriptionProvider$SubscriptionProviderArn": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. ",
"TagResourceRequest$resourceArn": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to which to add the specified metadata tags. ",
"UntagResourceRequest$resourceArn": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to remove the metadata tags from. "
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"RegisterSubscriptionProviderRequest$SubscriptionProviderSource": " The supported Linux subscription provider to register. ",
"RegisterSubscriptionProviderResponse$SubscriptionProviderSource": " The Linux subscription provider that you registered. ",
"RegisteredSubscriptionProvider$SubscriptionProviderSource": " A supported third-party Linux subscription provider. License
Manager currently supports Red Hat subscriptions. ",
"SubscriptionProviderSourceList$member": null
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"SubscriptionProviderSourceList": {
"base": null,
"refs": {
"ListRegisteredSubscriptionProvidersRequest$SubscriptionProviderSources": " To filter your results, specify which subscription providers to return in the list. "
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"SubscriptionProviderStatus": {
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"RegisterSubscriptionProviderResponse$SubscriptionProviderStatus": " Indicates the status of the registration action for the Linux subscription provider that you requested. ",
"RegisteredSubscriptionProvider$SubscriptionProviderStatus": " Indicates the status of your registered Linux subscription provider access

token from the last time License Manager retrieved subscription data. For RHEL account subscriptions, this is the status of the offline token. "
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    }
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      "RegisterSubscriptionProviderRequest$Tags": " The metadata tags to assign to your registered Linux subscription provider resource. ",
      "TagResourceRequest$tags": " The metadata tags to assign to the Amazon Web Services resource. Tags are formatted as key value pairs. "
    }
  },
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    }
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    "refs": {
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"refs": {
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"refs": {
}
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"ValidationException": {
"base": " The provided input is not valid. Try your request again. ",
"refs": {
}
}
}
}

AWS SDK for Go

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{
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"signatureVersion":"v4",
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"uid":"license-manager-2018-08-01"
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"ListLicenseManagerReportGenerators":{
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"http":{
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},
"input":{"shape":"ListLicenseManagerReportGeneratorsRequest"},
"output":{"shape":"ListLicenseManagerReportGeneratorsResponse"},
"errors":[
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{"shape":"InvalidParameterValueException"},
{"shape":"ResourceLimitExceededException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"RateLimitExceededException"},
{"shape":"AccessDeniedException"},
{"shape":"ResourceNotFoundException"}
]
},
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"name":"ListLicenseSpecificationsForResource",
"http":{
"method":"POST",
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"input":{"shape":"ListLicenseSpecificationsForResourceRequest"},
"output":{"shape":"ListLicenseSpecificationsForResourceResponse"},
"errors":[
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{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}
]
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"http":{

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"input":{"shape":"ListLicenseVersionsRequest"},
"output":{"shape":"ListLicenseVersionsResponse"},
"errors":[
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{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"},
{"shape":"ServerInternalException"}
]
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"input":{"shape":"ListLicensesRequest"},
"output":{"shape":"ListLicensesResponse"},
"errors":[
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{"shape":"InvalidParameterValueException"},
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{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"},
{"shape":"ServerInternalException"}
]
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"http":{
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"requestUri":"/"
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"input":{"shape":"ListReceivedGrantsRequest"},
"output":{"shape":"ListReceivedGrantsResponse"},
"errors":[
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{"shape":"InvalidParameterValueException"},
{"shape":"ResourceLimitExceededException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}
]

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"name":"ListReceivedGrantsForOrganization",
"http":{
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},
"input":{"shape":"ListReceivedGrantsForOrganizationRequest"},
"output":{"shape":"ListReceivedGrantsForOrganizationResponse"},
"errors":[
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{"shape":"InvalidParameterValueException"},
{"shape":"ResourceLimitExceededException"},
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{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}
]
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"name":"ListReceivedLicenses",
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"requestUri":"/"
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"input":{"shape":"ListReceivedLicensesRequest"},
"output":{"shape":"ListReceivedLicensesResponse"},
"errors":[
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{"shape":"InvalidParameterValueException"},
{"shape":"ResourceLimitExceededException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}
]
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},
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"output":{"shape":"ListReceivedLicensesForOrganizationResponse"},
"errors":[
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{"shape":"ResourceLimitExceededException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}
]
},
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"name":"ListResourceInventory",
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},
"input":{"shape":"ListResourceInventoryRequest"},
"output":{"shape":"ListResourceInventoryResponse"},
"errors":[
{"shape":"InvalidParameterValueException"},
{"shape":"ServerInternalException"},
{"shape":"FilterLimitExceededException"},
{"shape":"FailedDependencyException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}
]
},
"ListTagsForResource":{
"name":"ListTagsForResource",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"ListTagsForResourceRequest"},
"output":{"shape":"ListTagsForResourceResponse"},
"errors":[
{"shape":"InvalidParameterValueException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}
]
},
"ListTokens":{
"name":"ListTokens",
"http":{
"method":"POST",

"requestUri":"/"
},

"input":{"shape":"ListTokensRequest"},
"output":{"shape":"ListTokensResponse"},
"errors":[
{"shape":"ValidationException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"},
{"shape":"ServerInternalException"}
]
},
"ListUsageForLicenseConfiguration":{
"name":"ListUsageForLicenseConfiguration",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"ListUsageForLicenseConfigurationRequest"},
"output":{"shape":"ListUsageForLicenseConfigurationResponse"},
"errors":[
{"shape":"InvalidParameterValueException"},
{"shape":"FilterLimitExceededException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}
]
},
"RejectGrant":{
"name":"RejectGrant",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"RejectGrantRequest"},
"output":{"shape":"RejectGrantResponse"},
"errors":[
{"shape":"ValidationException"},
{"shape":"InvalidParameterValueException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"},
{"shape":"ResourceLimitExceededException"},
{"shape":"ServerInternalException"}
]
},
"TagResource":{
"name":"TagResource",
"http":{

"method":"POST",
"requestUri":"/"
},
"input":{"shape":"TagResourceRequest"},
"output":{"shape":"TagResourceResponse"},
"errors":[
{"shape":"InvalidParameterValueException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}
]
},
"UntagResource":{
"name":"UntagResource",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"UntagResourceRequest"},
"output":{"shape":"UntagResourceResponse"},
"errors":[
{"shape":"InvalidParameterValueException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}
]
},
"UpdateLicenseConfiguration":{
"name":"UpdateLicenseConfiguration",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"UpdateLicenseConfigurationRequest"},
"output":{"shape":"UpdateLicenseConfigurationResponse"},
"errors":[
{"shape":"InvalidParameterValueException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"},
{"shape":"ResourceLimitExceededException"}
]
},
"UpdateLicenseManagerReportGenerator":{
"name":"UpdateLicenseManagerReportGenerator",

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  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"UpdateLicenseManagerReportGeneratorRequest"},
  "output":{"shape":"UpdateLicenseManagerReportGeneratorResponse"},
  "errors":[
    {"shape":"ValidationException"},
    {"shape":"InvalidParameterValueException"},
    {"shape":"RateLimitExceededException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"ResourceNotFoundException"},
    {"shape":"ResourceLimitExceededException"}
  ]
 },
 "UpdateLicenseSpecificationsForResource":{
  "name":"UpdateLicenseSpecificationsForResource",
  "http":{
    "method":"POST",
    "requestUri":"/"

},
  "input":{"shape":"UpdateLicenseSpecificationsForResourceRequest"},
  "output":{"shape":"UpdateLicenseSpecificationsForResourceResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"InvalidResourceStateException"},
    {"shape":"LicenseUsageException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ]
 },
 "UpdateServiceSettings":{
  "name":"UpdateServiceSettings",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"UpdateServiceSettingsRequest"},
  "output":{"shape":"UpdateServiceSettingsResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
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      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
     ]
    }
  },
  "shapes":{
    "AcceptGrantRequest":{
      "type":"structure",
      "required":["GrantArn"],
      "members":{
        "GrantArn":{"shape":"Arn"}
      }
    },
    "AcceptGrantResponse":{
      "type":"structure",
      "members":{
        "GrantArn":{"shape":"Arn"},
        "Status":{"shape":"GrantStatus"},
        "Version":{"shape":"String"}
      }
    },
    "AccessDeniedException":{
      "type":"structure",
      "members":{
        "Message":{"shape":"Message"}
      },
      "exception":true
    },
    "ActivationOverrideBehavior":{
      "type":"string",
      "enum":[
        "DISTRIBUTED_GRANTS_ONLY",
        "ALL_GRANTS_PERMITTED_BY_ISSUER"
      ]
    },
    "AllowedOperation":{
      "type":"string",
      "enum":[
        "CreateGrant",
        "CheckoutLicense",
        "CheckoutBorrowLicense",
        "CheckInLicense",
        "ExtendConsumptionLicense",
        "ListPurchasedLicenses",
        "CreateToken"
      ]
    },
    "AllowedOperationList":{
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"type":"list",
"member":{"shape":"AllowedOperation"},
"max":7,
"min":1
},
"Arn":{
"type":"string",
"max":2048,
"pattern":"^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
},
"ArnList":{
"type":"list",
"member":{"shape":"Arn"}
},
"AuthorizationException":{
"type":"structure",
"members":{
"Message":{"shape":"Message"}
},
"exception":true
},
"AutomatedDiscoveryInformation":{
"type":"structure",
"members":{
"LastRunTime":{"shape":"DateTime"}
}
},
"Boolean":{"type":"boolean"},
"BorrowConfiguration":{
"type":"structure",
"required":[
"AllowEarlyCheckIn",
"MaxTimeToLiveInMinutes"
],
"members":{
"AllowEarlyCheckIn":{"shape":"BoxBoolean"},
"MaxTimeToLiveInMinutes":{"shape":"BoxInteger"}
}
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"BoxBoolean":{"type":"boolean"},
"BoxInteger":{"type":"integer"},
"BoxLong":{"type":"long"},
"CheckInLicenseRequest":{
"type":"structure",
"required":["LicenseConsumptionToken"],
"members":{
"LicenseConsumptionToken":{"shape":"String"},

```
    "Beneficiary":{"shape":"String"}
  }
},
"CheckInLicenseResponse":{
  "type":"structure",
  "members":{
  }
},
"CheckoutBorrowLicenseRequest":{
  "type":"structure",
  "required":[
    "LicenseArn",
    "Entitlements",
    "DigitalSignatureMethod",
    "ClientToken"
  ],
  "members":{
    "LicenseArn":{"shape":"Arn"},
    "Entitlements":{"shape":"EntitlementDataList"},
    "DigitalSignatureMethod":{"shape":"DigitalSignatureMethod"},
    "NodeId":{"shape":"String"},
    "CheckoutMetadata":{"shape":"MetadataList"},
    "ClientToken":{"shape":"ClientToken"}
  }
},

"CheckoutBorrowLicenseResponse":{
  "type":"structure",
  "members":{
    "LicenseArn":{"shape":"Arn"},
    "LicenseConsumptionToken":{"shape":"String"},
    "EntitlementsAllowed":{"shape":"EntitlementDataList"},
    "NodeId":{"shape":"String"},
    "SignedToken":{"shape":"SignedToken"},
    "IssuedAt":{"shape":"ISO8601DateTime"},
    "Expiration":{"shape":"ISO8601DateTime"},
    "CheckoutMetadata":{"shape":"MetadataList"}
  }
},
"CheckoutLicenseRequest":{
  "type":"structure",
  "required":[
    "ProductSKU",
    "CheckoutType",
    "KeyFingerprint",
    "Entitlements",
    "ClientToken"
  ],
```

```
  "members":{
    "ProductSKU":{"shape":"String"},
    "CheckoutType":{"shape":"CheckoutType"},
    "KeyFingerprint":{"shape":"String"},
    "Entitlements":{"shape":"EntitlementDataList"},
    "ClientToken":{"shape":"ClientToken"},
    "Beneficiary":{"shape":"String"},
    "NodeId":{"shape":"String"}
   }
},
"CheckoutLicenseResponse":{
  "type":"structure",
  "members":{
    "CheckoutType":{"shape":"CheckoutType"},
    "LicenseConsumptionToken":{"shape":"String"},
    "EntitlementsAllowed":{"shape":"EntitlementDataList"},
    "SignedToken":{"shape":"SignedToken"},
    "NodeId":{"shape":"String"},
    "IssuedAt":{"shape":"ISO8601DateTime"},
    "Expiration":{"shape":"ISO8601DateTime"},
    "LicenseArn":{"shape":"String"}
  }
},
"CheckoutType":{
  "type":"string",
  "enum":[
    "PROVISIONAL",
    "PERPETUAL"
  ]
},
"ClientRequestToken":{
  "type":"string",
  "max":36,
  "min":1
},
"ClientToken":{
  "type":"string",
  "max":2048,
  "pattern":"\\S+"
},
"ConflictException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
  "exception":true
},
"ConsumedLicenseSummary":{
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"type":"structure",
"members":{
"ResourceType":{"shape":"ResourceType"},
"ConsumedLicenses":{"shape":"BoxLong"}
}
},
"ConsumedLicenseSummaryList":{
"type":"list",
"member":{"shape":"ConsumedLicenseSummary"}
},
"ConsumptionConfiguration":{
"type":"structure",
"members":{
"RenewType":{"shape":"RenewType"},
"ProvisionalConfiguration":{"shape":"ProvisionalConfiguration"},
"BorrowConfiguration":{"shape":"BorrowConfiguration"}
}
},
"CreateGrantRequest":{
"type":"structure",
"required":[
"ClientToken",
"GrantName",
"LicenseArn",
"Principals",
"HomeRegion",
"AllowedOperations"
],
"members":{
"ClientToken":{"shape":"ClientToken"},
"GrantName":{"shape":"String"},
"LicenseArn":{"shape":"Arn"},
"Principals":{"shape":"PrincipalArnList"},
"HomeRegion":{"shape":"String"},
"AllowedOperations":{"shape":"AllowedOperationList"}
}
},
"CreateGrantResponse":{
"type":"structure",
"members":{
"GrantArn":{"shape":"Arn"},
"Status":{"shape":"GrantStatus"},
"Version":{"shape":"String"}
}
},
"CreateGrantVersionRequest":{
"type":"structure",
"required":[

"ClientToken",
"GrantArn"
],
"members":{
"ClientToken":{"shape":"ClientToken"},
"GrantArn":{"shape":"Arn"},
"GrantName":{"shape":"String"},
"AllowedOperations":{"shape":"AllowedOperationList"},
"Status":{"shape":"GrantStatus"},
"StatusReason":{"shape":"StatusReasonMessage"},
"SourceVersion":{"shape":"String"},
"Options":{"shape":"Options"}
}
},
"CreateGrantVersionResponse":{
"type":"structure",
"members":{
"GrantArn":{"shape":"Arn"},
"Status":{"shape":"GrantStatus"},
"Version":{"shape":"String"}
}
},
"CreateLicenseConfigurationRequest":{
"type":"structure",
"required":[
"Name",
"LicenseCountingType"
],
"members":{
"Name":{"shape":"String"},
"Description":{"shape":"String"},
"LicenseCountingType":{"shape":"LicenseCountingType"},
"LicenseCount":{"shape":"BoxLong"},
"LicenseCountHardLimit":{"shape":"BoxBoolean"},
"LicenseRules":{"shape":"StringList"},
"Tags":{"shape":"TagList"},
"DisassociateWhenNotFound":{"shape":"BoxBoolean"},
"ProductInformationList":{"shape":"ProductInformationList"}
}
},
"CreateLicenseConfigurationResponse":{
"type":"structure",
"members":{
"LicenseConfigurationArn":{"shape":"String"}
}
},
"CreateLicenseConversionTaskForResourceRequest":{
"type":"structure",

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  "required":[
    "ResourceArn",
    "SourceLicenseContext",
    "DestinationLicenseContext"
  ],
  "members":{
    "ResourceArn":{"shape":"Arn"},
     "SourceLicenseContext":{"shape":"LicenseConversionContext"},
    "DestinationLicenseContext":{"shape":"LicenseConversionContext"}
  }
},
"CreateLicenseConversionTaskForResourceResponse":{
  "type":"structure",
  "members":{
    "LicenseConversionTaskId":{"shape":"LicenseConversionTaskId"}
  }
},
"CreateLicenseManagerReportGeneratorRequest":{
  "type":"structure",
  "required":[
    "ReportGeneratorName",
    "Type",
    "ReportContext",
    "ReportFrequency",
    "ClientToken"
  ],
  "members":{
    "ReportGeneratorName":{"shape":"ReportGeneratorName"},
    "Type":{"shape":"ReportTypeList"},
    "ReportContext":{"shape":"ReportContext"},
    "ReportFrequency":{"shape":"ReportFrequency"},
    "ClientToken":{"shape":"ClientRequestToken"},
    "Description":{"shape":"String"},
    "Tags":{"shape":"TagList"}
  }
},
"CreateLicenseManagerReportGeneratorResponse":{
   "type":"structure",
  "members":{
    "LicenseManagerReportGeneratorArn":{"shape":"String"}
  }
},
"CreateLicenseRequest":{
  "type":"structure",
  "required":[
    "LicenseName",
    "ProductName",
    "ProductSKU",
```

"Issuer",
"HomeRegion",
"Validity",
"Entitlements",
"Beneficiary",
"ConsumptionConfiguration",
"ClientToken"
],
"members":{
"LicenseName":{"shape":"String"},
"ProductName":{"shape":"String"},
"ProductSKU":{"shape":"String"},
"Issuer":{"shape":"Issuer"},
"HomeRegion":{"shape":"String"},
"Validity":{"shape":"DatetimeRange"},
"Entitlements":{"shape":"EntitlementList"},
"Beneficiary":{"shape":"String"},
"ConsumptionConfiguration":{"shape":"ConsumptionConfiguration"},
"LicenseMetadata":{"shape":"MetadataList"},
"ClientToken":{"shape":"ClientToken"}

}
},
"CreateLicenseResponse":{
"type":"structure",
"members":{
"LicenseArn":{"shape":"Arn"},
"Status":{"shape":"LicenseStatus"},
"Version":{"shape":"String"}
}
},
"CreateLicenseVersionRequest":{
"type":"structure",
"required":[
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"ProductName",
"Issuer",
"HomeRegion",
"Validity",
"Entitlements",
"ConsumptionConfiguration",
"Status",
"ClientToken"
],
"members":{
"LicenseArn":{"shape":"Arn"},
"LicenseName":{"shape":"String"},

"ProductName":{"shape":"String"},
"Issuer":{"shape":"Issuer"},
"HomeRegion":{"shape":"String"},
"Validity":{"shape":"DatetimeRange"},
"LicenseMetadata":{"shape":"MetadataList"},
"Entitlements":{"shape":"EntitlementList"},
"ConsumptionConfiguration":{"shape":"ConsumptionConfiguration"},
"Status":{"shape":"LicenseStatus"},
"ClientToken":{"shape":"ClientToken"},
"SourceVersion":{"shape":"String"}
}
},
"CreateLicenseVersionResponse":{
"type":"structure",
"members":{
"LicenseArn":{"shape":"Arn"},
"Version":{"shape":"String"},
"Status":{"shape":"LicenseStatus"}
}
},
"CreateTokenRequest":{
"type":"structure",
"required":[
"LicenseArn",
"ClientToken"
],
"members":{
"LicenseArn":{"shape":"Arn"},
"RoleArns":{"shape":"ArnList"},
"ExpirationInDays":{"shape":"Integer"},
"TokenProperties":{"shape":"MaxSize3StringList"},
"ClientToken":{"shape":"ClientToken"}
}
},
"CreateTokenResponse":{
"type":"structure",
"members":{
"TokenId":{"shape":"String"},
"TokenType":{"shape":"TokenType"},
"Token":{"shape":"TokenString"}
}
},
"DateTime":{"type":"timestamp"},
"DatetimeRange":{

"type":"structure",
"required":["Begin"],
"members":{

"Begin":{"shape":"ISO8601DateTime"},
"End":{"shape":"ISO8601DateTime"}
}
},
"DeleteGrantRequest":{
"type":"structure",
"required":[
"GrantArn",
"Version"
],
"members":{
"GrantArn":{"shape":"Arn"},
"StatusReason":{"shape":"StatusReasonMessage"},
"Version":{"shape":"String"}
}
},
"DeleteGrantResponse":{
"type":"structure",
"members":{
"GrantArn":{"shape":"Arn"},
"Status":{"shape":"GrantStatus"},
"Version":{"shape":"String"}
}
},
"DeleteLicenseConfigurationRequest":{
"type":"structure",
"required":["LicenseConfigurationArn"],
"members":{
"LicenseConfigurationArn":{"shape":"String"}
}
},
"DeleteLicenseConfigurationResponse":{
"type":"structure",
"members":{
}
},
"DeleteLicenseManagerReportGeneratorRequest":{
"type":"structure",
"required":["LicenseManagerReportGeneratorArn"],
"members":{
"LicenseManagerReportGeneratorArn":{"shape":"String"}
}
},
"DeleteLicenseManagerReportGeneratorResponse":{
"type":"structure",
"members":{
}
},

"DeleteLicenseRequest":{
  "type":"structure",
  "required":[
    "LicenseArn",
    "SourceVersion"
  ],
  "members":{
    "LicenseArn":{"shape":"Arn"},
    "SourceVersion":{"shape":"String"}
  }
},
"DeleteLicenseResponse":{
  "type":"structure",
  "members":{
    "Status":{"shape":"LicenseDeletionStatus"},
    "DeletionDate":{"shape":"ISO8601DateTime"}
  }
},
"DeleteTokenRequest":{
  "type":"structure",
  "required":["TokenId"],
  "members":{
    "TokenId":{"shape":"String"}
  }
},
"DeleteTokenResponse":{
  "type":"structure",
  "members":{
  }
},
"DigitalSignatureMethod":{

  "type":"string",
  "enum":["JWT_PS384"]
},
"Entitlement":{
  "type":"structure",
  "required":[
    "Name",
    "Unit"
  ],
  "members":{
    "Name":{"shape":"String"},
    "Value":{"shape":"String"},
    "MaxCount":{"shape":"Long"},
    "Overage":{"shape":"BoxBoolean"},
    "Unit":{"shape":"EntitlementUnit"},
    "AllowCheckIn":{"shape":"BoxBoolean"}

```
  }
},
"EntitlementData":{
  "type":"structure",
  "required":[
    "Name",
    "Unit"
  ],
  "members":{
    "Name":{"shape":"String"},
    "Value":{"shape":"String"},
    "Unit":{"shape":"EntitlementDataUnit"}
  }
},
"EntitlementDataList":{
  "type":"list",
  "member":{"shape":"EntitlementData"}
},
"EntitlementDataUnit":{
  "type":"string",
  "enum":[
    "Count",
    "None",
    "Seconds",
    "Microseconds",
    "Milliseconds",
    "Bytes",
    "Kilobytes",

  "Megabytes",
    "Gigabytes",
    "Terabytes",
    "Bits",
    "Kilobits",
    "Megabits",
    "Gigabits",
    "Terabits",
    "Percent",
    "Bytes/Second",
    "Kilobytes/Second",
    "Megabytes/Second",
    "Gigabytes/Second",
    "Terabytes/Second",
    "Bits/Second",
    "Kilobits/Second",
    "Megabits/Second",
    "Gigabits/Second",
    "Terabits/Second",
```

"Count/Second"
]
},
"EntitlementList":{
"type":"list",
"member":{"shape":"Entitlement"}
},
"EntitlementNotAllowedException":{
"type":"structure",
"members":{
"Message":{"shape":"Message"}
},
"exception":true
},
"EntitlementUnit":{
"type":"string",
"enum":[
"Count",
"None",
"Seconds",
"Microseconds",
"Milliseconds",
"Bytes",
"Kilobytes",
"Megabytes",
"Gigabytes",
"Terabytes",

"Bits",
"Kilobits",
"Megabits",
"Gigabits",
"Terabits",
"Percent",
"Bytes/Second",
"Kilobytes/Second",
"Megabytes/Second",
"Gigabytes/Second",
"Terabytes/Second",
"Bits/Second",
"Kilobits/Second",
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"Gigabits/Second",
"Terabits/Second",
"Count/Second"
]
},
"EntitlementUsage":{

```
  "type":"structure",
  "required":[
    "Name",
    "ConsumedValue",
    "Unit"
  ],
  "members":{
    "Name":{"shape":"String"},
    "ConsumedValue":{"shape":"String"},
    "MaxCount":{"shape":"String"},
    "Unit":{"shape":"EntitlementDataUnit"}
  }
},
"EntitlementUsageList":{
  "type":"list",
  "member":{"shape":"EntitlementUsage"}
},
"ExtendLicenseConsumptionRequest":{
  "type":"structure",
  "required":["LicenseConsumptionToken"],
  "members":{
    "LicenseConsumptionToken":{"shape":"String"},
     "DryRun":{"shape":"Boolean"}
  }
},
"ExtendLicenseConsumptionResponse":{
  "type":"structure",
  "members":{
    "LicenseConsumptionToken":{"shape":"String"},
    "Expiration":{"shape":"ISO8601DateTime"}
  }
},
"FailedDependencyException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"},
    "ErrorCode":{"shape":"String"}
  },
  "exception":true
},
"Filter":{
  "type":"structure",
  "members":{
    "Name":{"shape":"FilterName"},
    "Values":{"shape":"FilterValues"}
  }
},
"FilterLimitExceededException":{
```

```
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
  "exception":true
},
"FilterList":{
  "type":"list",
  "member":{"shape":"Filter"}
},
"FilterName":{"type":"string"},
"FilterValue":{"type":"string"},
"FilterValues":{
  "type":"list",
  "member":{"shape":"FilterValue"}
 },
"Filters":{
  "type":"list",
  "member":{"shape":"Filter"}
},
"GetAccessTokenRequest":{
  "type":"structure",
  "required":["Token"],
  "members":{
    "Token":{"shape":"TokenString"},
    "TokenProperties":{"shape":"MaxSize3StringList"}
  }
},
"GetAccessTokenResponse":{
  "type":"structure",
  "members":{
    "AccessToken":{"shape":"TokenString"}
  }
},
"GetGrantRequest":{
  "type":"structure",
  "required":["GrantArn"],
  "members":{
    "GrantArn":{"shape":"Arn"},
    "Version":{"shape":"String"}
  }
},
"GetGrantResponse":{
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  "members":{
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},
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  "members":{
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},
"GetLicenseConfigurationResponse":{
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  "members":{
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    "LicenseConfigurationArn":{"shape":"String"},
    "Name":{"shape":"String"},
    "Description":{"shape":"String"},
    "LicenseCountingType":{"shape":"LicenseCountingType"},
    "LicenseRules":{"shape":"StringList"},
    "LicenseCount":{"shape":"BoxLong"},
    "LicenseCountHardLimit":{"shape":"BoxBoolean"},
    "ConsumedLicenses":{"shape":"BoxLong"},
    "Status":{"shape":"String"},
    "OwnerAccountId":{"shape":"String"},
    "ConsumedLicenseSummaryList":{"shape":"ConsumedLicenseSummaryList"},
    "ManagedResourceSummaryList":{"shape":"ManagedResourceSummaryList"},
    "Tags":{"shape":"TagList"},
    "ProductInformationList":{"shape":"ProductInformationList"},
    "AutomatedDiscoveryInformation":{"shape":"AutomatedDiscoveryInformation"},
    "DisassociateWhenNotFound":{"shape":"BoxBoolean"}
  }
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  "members":{
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"GetLicenseConversionTaskResponse":{
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    "ResourceArn":{"shape":"String"},
    "SourceLicenseContext":{"shape":"LicenseConversionContext"},
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    "StatusMessage":{"shape":"String"},
    "Status":{"shape":"LicenseConversionTaskStatus"},
    "StartTime":{"shape":"DateTime"},
    "LicenseConversionTime":{"shape":"DateTime"},
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  }
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  "members":{
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   }
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"GetLicenseManagerReportGeneratorResponse":{
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  "members":{
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  }
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  "required":["LicenseArn"],
  "members":{
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    "Version":{"shape":"String"}
  }
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"GetLicenseResponse":{
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  "members":{
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},
"GetLicenseUsageRequest":{
  "type":"structure",
  "required":["LicenseArn"],
  "members":{
    "LicenseArn":{"shape":"Arn"}
  }
},
"GetLicenseUsageResponse":{
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  "members":{
    "LicenseUsage":{"shape":"LicenseUsage"}
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"GetServiceSettingsRequest":{
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  "members":{
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},
"GetServiceSettingsResponse":{
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"SnsTopicArn":{"shape":"String"},
"OrganizationConfiguration":{"shape":"OrganizationConfiguration"},
"EnableCrossAccountsDiscovery":{"shape":"BoxBoolean"},
"LicenseManagerResourceShareArn":{"shape":"String"}
}
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"Grant":{
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"GrantName",
"ParentArn",
"LicenseArn",
"GranteePrincipalArn",
"HomeRegion",
"GrantStatus",
"Version",
"GrantedOperations"
],
"members":{
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"GrantName":{"shape":"String"},
"ParentArn":{"shape":"Arn"},
"LicenseArn":{"shape":"Arn"},
"GranteePrincipalArn":{"shape":"Arn"},
"HomeRegion":{"shape":"String"},
"GrantStatus":{"shape":"GrantStatus"},
"StatusReason":{"shape":"StatusReasonMessage"},
"Version":{"shape":"String"},
"GrantedOperations":{"shape":"AllowedOperationList"},
"Options":{"shape":"Options"}
}
},
"GrantList":{
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"member":{"shape":"Grant"}
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"GrantStatus":{
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"enum":[
"PENDING_WORKFLOW",
"PENDING_ACCEPT",
"REJECTED",
"ACTIVE",
"FAILED_WORKFLOW",

"DELETED",
"PENDING_DELETE",
"DISABLED",
"WORKFLOW_COMPLETED"
]
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"GrantedLicense":{
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"LicenseName":{"shape":"String"},
"ProductName":{"shape":"String"},
"ProductSKU":{"shape":"String"},
"Issuer":{"shape":"IssuerDetails"},
"HomeRegion":{"shape":"String"},
"Status":{"shape":"LicenseStatus"},
"Validity":{"shape":"DatetimeRange"},
"Beneficiary":{"shape":"String"},
"Entitlements":{"shape":"EntitlementList"},
"ConsumptionConfiguration":{"shape":"ConsumptionConfiguration"},

"LicenseMetadata":{"shape":"MetadataList"},
"CreateTime":{"shape":"ISO8601DateTime"},
"Version":{"shape":"String"},
"ReceivedMetadata":{"shape":"ReceivedMetadata"}
}
},
"GrantedLicenseList":{
"type":"list",
"member":{"shape":"GrantedLicense"}
},
"ISO8601DateTime":{
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"pattern":"^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$"
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"exception":true,
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"InvalidResourceStateException":{
"type":"structure",

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  "exception":true
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  "required":[
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    "Condition"
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  "members":{
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    "Condition":{"shape":"InventoryFilterCondition"},
    "Value":{"shape":"String"}
  }
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"InventoryFilterCondition":{
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    "NOT_EQUALS",
    "BEGINS_WITH",
    "CONTAINS"
  ]
},
"InventoryFilterList":{
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  "member":{"shape":"InventoryFilter"}
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"Issuer":{
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  "required":["Name"],
  "members":{
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},
"IssuerDetails":{
  "type":"structure",
  "members":{
    "Name":{"shape":"String"},
    "SignKey":{"shape":"String"},
    "KeyFingerprint":{"shape":"String"}
  }
},
"License":{
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    "LicenseName":{"shape":"String"},

"ProductName":{"shape":"String"},
    "ProductSKU":{"shape":"String"},
    "Issuer":{"shape":"IssuerDetails"},
    "HomeRegion":{"shape":"String"},
    "Status":{"shape":"LicenseStatus"},
    "Validity":{"shape":"DatetimeRange"},
    "Beneficiary":{"shape":"String"},
    "Entitlements":{"shape":"EntitlementList"},
    "ConsumptionConfiguration":{"shape":"ConsumptionConfiguration"},
    "LicenseMetadata":{"shape":"MetadataList"},
    "CreateTime":{"shape":"ISO8601DateTime"},
    "Version":{"shape":"String"}
  }
},
"LicenseConfiguration":{
  "type":"structure",
  "members":{
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    "LicenseConfigurationArn":{"shape":"String"},
    "Name":{"shape":"String"},
    "Description":{"shape":"String"},
    "LicenseCountingType":{"shape":"LicenseCountingType"},
    "LicenseRules":{"shape":"StringList"},
    "LicenseCount":{"shape":"BoxLong"},
    "LicenseCountHardLimit":{"shape":"BoxBoolean"},
     "DisassociateWhenNotFound":{"shape":"BoxBoolean"},
    "ConsumedLicenses":{"shape":"BoxLong"},
    "Status":{"shape":"String"},
    "OwnerAccountId":{"shape":"String"},
    "ConsumedLicenseSummaryList":{"shape":"ConsumedLicenseSummaryList"},
    "ManagedResourceSummaryList":{"shape":"ManagedResourceSummaryList"},
    "ProductInformationList":{"shape":"ProductInformationList"},
    "AutomatedDiscoveryInformation":{"shape":"AutomatedDiscoveryInformation"}
  }
},
"LicenseConfigurationAssociation":{
  "type":"structure",
  "members":{
    "ResourceArn":{"shape":"String"},
    "ResourceType":{"shape":"ResourceType"},
    "ResourceOwnerId":{"shape":"String"},
    "AssociationTime":{"shape":"DateTime"},
    "AmiAssociationScope":{"shape":"String"}
  }
```

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"LicenseConfigurationAssociations":{
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  "member":{"shape":"LicenseConfigurationAssociation"}
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"LicenseConfigurationStatus":{
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  "enum":[
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    "DISABLED"
  ]
},
"LicenseConfigurationUsage":{
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  "members":{
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    "ResourceType":{"shape":"ResourceType"},
    "ResourceStatus":{"shape":"String"},
    "ResourceOwnerId":{"shape":"String"},
    "AssociationTime":{"shape":"DateTime"},
    "ConsumedLicenses":{"shape":"BoxLong"}
  }
},
"LicenseConfigurationUsageList":{
  "type":"list",
  "member":{"shape":"LicenseConfigurationUsage"}
},
"LicenseConfigurations":{
  "type":"list",
  "member":{"shape":"LicenseConfiguration"}
},
"LicenseConversionContext":{
  "type":"structure",
  "members":{
    "UsageOperation":{"shape":"UsageOperation"}
  }
},
"LicenseConversionTask":{
  "type":"structure",
  "members":{
    "LicenseConversionTaskId":{"shape":"LicenseConversionTaskId"},
     "ResourceArn":{"shape":"String"},
    "SourceLicenseContext":{"shape":"LicenseConversionContext"},
    "DestinationLicenseContext":{"shape":"LicenseConversionContext"},
    "Status":{"shape":"LicenseConversionTaskStatus"},
    "StatusMessage":{"shape":"String"},
    "StartTime":{"shape":"DateTime"},
    "LicenseConversionTime":{"shape":"DateTime"},
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    "EndTime":{"shape":"DateTime"}
  }
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"LicenseConversionTaskId":{
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  "max":50,
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},
"LicenseConversionTaskStatus":{
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  "enum":[
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    "SUCCEEDED",
    "FAILED"
  ]
},
"LicenseConversionTasks":{
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  "member":{"shape":"LicenseConversionTask"}
},
"LicenseCountingType":{
  "type":"string",
  "enum":[
    "vCPU",
    "Instance",
    "Core",
    "Socket"
  ]
},
"LicenseDeletionStatus":{
   "type":"string",
  "enum":[
    "PENDING_DELETE",
    "DELETED"
  ]
},
"LicenseList":{
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  "member":{"shape":"License"}
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"LicenseOperationFailure":{
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  "members":{
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    "ResourceType":{"shape":"ResourceType"},
    "ErrorMessage":{"shape":"String"},
    "FailureTime":{"shape":"DateTime"},
    "OperationName":{"shape":"String"},
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"ResourceOwnerId":{"shape":"String"},
"OperationRequestedBy":{"shape":"String"},
"MetadataList":{"shape":"MetadataList"}
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},
"LicenseOperationFailureList":{
"type":"list",
"member":{"shape":"LicenseOperationFailure"}
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"LicenseSpecification":{
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"AmiAssociationScope":{"shape":"String"}
}
},
"LicenseSpecifications":{
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"member":{"shape":"LicenseSpecification"}
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"LicenseStatus":{
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"PENDING_AVAILABLE",
"DEACTIVATED",
"SUSPENDED",
"EXPIRED",
"PENDING_DELETE",
"DELETED"
]
},
"LicenseUsage":{
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"EntitlementUsages":{"shape":"EntitlementUsageList"}
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"LicenseUsageException":{
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"members":{
"Message":{"shape":"Message"}
},
"exception":true
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"ListAssociationsForLicenseConfigurationRequest":{
"type":"structure",

"required":["LicenseConfigurationArn"],
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"MaxResults":{"shape":"BoxInteger"},
"NextToken":{"shape":"String"}
}
},
"ListAssociationsForLicenseConfigurationResponse":{
"type":"structure",
"members":{
"LicenseConfigurationAssociations":{"shape":"LicenseConfigurationAssociations"},
"NextToken":{"shape":"String"}
}
},
"ListDistributedGrantsRequest":{
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"members":{
"GrantArns":{"shape":"ArnList"},
"Filters":{"shape":"FilterList"},
"NextToken":{"shape":"String"},
"MaxResults":{"shape":"MaxSize100"}
}
},
"ListDistributedGrantsResponse":{
"type":"structure",
"members":{
"Grants":{"shape":"GrantList"},
"NextToken":{"shape":"String"}
}
},
"ListFailuresForLicenseConfigurationOperationsRequest":{
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"members":{
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"MaxResults":{"shape":"BoxInteger"},
"NextToken":{"shape":"String"}
}
},
"ListFailuresForLicenseConfigurationOperationsResponse":{
"type":"structure",
"members":{
"LicenseOperationFailureList":{"shape":"LicenseOperationFailureList"},
"NextToken":{"shape":"String"}
}
},
"ListLicenseConfigurationsRequest":{
"type":"structure",

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  "members":{
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    "MaxResults":{"shape":"BoxInteger"},
    "NextToken":{"shape":"String"},
    "Filters":{"shape":"Filters"}
  }
},
"ListLicenseConfigurationsResponse":{
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  "members":{
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    "NextToken":{"shape":"String"}
  }
},
"ListLicenseConversionTasksRequest":{
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  "members":{
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    "MaxResults":{"shape":"BoxInteger"},
    "Filters":{"shape":"Filters"}
  }
},
"ListLicenseConversionTasksResponse":{
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  "members":{
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     "NextToken":{"shape":"String"}
  }
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"ListLicenseManagerReportGeneratorsRequest":{
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  "members":{
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    "NextToken":{"shape":"String"},
    "MaxResults":{"shape":"MaxSize100"}
  }
},
"ListLicenseManagerReportGeneratorsResponse":{
  "type":"structure",
  "members":{
    "ReportGenerators":{"shape":"ReportGeneratorList"},
    "NextToken":{"shape":"String"}
  }
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"ListLicenseSpecificationsForResourceRequest":{
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  "required":["ResourceArn"],
  "members":{
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"NextToken":{"shape":"String"}
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"ListLicenseSpecificationsForResourceResponse":{
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"NextToken":{"shape":"String"}

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},
"ListLicenseVersionsRequest":{
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"NextToken":{"shape":"String"},
"MaxResults":{"shape":"MaxSize100"}
}
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"ListLicenseVersionsResponse":{
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"Licenses":{"shape":"LicenseList"},
"NextToken":{"shape":"String"}
}
},
"ListLicensesRequest":{
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"Filters":{"shape":"FilterList"},
"NextToken":{"shape":"String"},
"MaxResults":{"shape":"MaxSize100"}
}
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"ListLicensesResponse":{
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"NextToken":{"shape":"String"}
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"ListReceivedGrantsForOrganizationRequest":{
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"NextToken":{"shape":"String"},
"MaxResults":{"shape":"MaxSize100"}
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"ListReceivedGrantsForOrganizationResponse":{
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"NextToken":{"shape":"String"}
}
},
"ListReceivedGrantsRequest":{
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"Filters":{"shape":"FilterList"},
"NextToken":{"shape":"String"},
"MaxResults":{"shape":"MaxSize100"}
}
},
"ListReceivedGrantsResponse":{
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"NextToken":{"shape":"String"}
}
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"ListReceivedLicensesForOrganizationRequest":{
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"MaxResults":{"shape":"MaxSize100"}
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"ListReceivedLicensesForOrganizationResponse":{
"type":"structure",
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"Licenses":{"shape":"GrantedLicenseList"},
"NextToken":{"shape":"String"}
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"ListReceivedLicensesRequest":{
"type":"structure",
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"LicenseArns":{"shape":"ArnList"},
"Filters":{"shape":"FilterList"},
"NextToken":{"shape":"String"},
"MaxResults":{"shape":"MaxSize100"}
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"ListReceivedLicensesResponse":{
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"members":{
"Licenses":{"shape":"GrantedLicenseList"},
"NextToken":{"shape":"String"}
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"ListResourceInventoryRequest":{
"type":"structure",
"members":{
"MaxResults":{"shape":"BoxInteger"},
"NextToken":{"shape":"String"},
"Filters":{"shape":"InventoryFilterList"}
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},
"ListResourceInventoryResponse":{
"type":"structure",
"members":{
"ResourceInventoryList":{"shape":"ResourceInventoryList"},
"NextToken":{"shape":"String"}
}
},
"ListTagsForResourceRequest":{
"type":"structure",
"required":["ResourceArn"],
"members":{
"ResourceArn":{"shape":"String"}
}
},
"ListTagsForResourceResponse":{
"type":"structure",
"members":{
"Tags":{"shape":"TagList"}
}
},
"ListTokensRequest":{
"type":"structure",
"members":{
"TokenIds":{"shape":"StringList"},
"Filters":{"shape":"FilterList"},
"NextToken":{"shape":"String"},
"MaxResults":{"shape":"MaxSize100"}

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  }
},
"ListTokensResponse":{
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  "members":{
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    "NextToken":{"shape":"String"}
  }
},
"ListUsageForLicenseConfigurationRequest":{
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  "required":["LicenseConfigurationArn"],
  "members":{
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     "MaxResults":{"shape":"BoxInteger"},
    "NextToken":{"shape":"String"},
    "Filters":{"shape":"Filters"}
  }
},
"ListUsageForLicenseConfigurationResponse":{
  "type":"structure",
  "members":{
    "LicenseConfigurationUsageList":{"shape":"LicenseConfigurationUsageList"},
    "NextToken":{"shape":"String"}
  }
},
"Location":{"type":"string"},
"Long":{"type":"long"},
"ManagedResourceSummary":{
  "type":"structure",
  "members":{
    "ResourceType":{"shape":"ResourceType"},
    "AssociationCount":{"shape":"BoxLong"}
  }
},
"ManagedResourceSummaryList":{
  "type":"list",
  "member":{"shape":"ManagedResourceSummary"}
},
"MaxSize100":{
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  "max":100,
  "min":1
},
"MaxSize3StringList":{
  "type":"list",
  "member":{"shape":"String"},
  "max":3
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},
"Message":{"type":"string"},
"Metadata":{
  "type":"structure",
   "members":{
    "Name":{"shape":"String"},
    "Value":{"shape":"String"}
  }
},
"MetadataList":{
  "type":"list",
  "member":{"shape":"Metadata"}
},
"NoEntitlementsAllowedException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
  "exception":true
},
"Options":{
  "type":"structure",
  "members":{
    "ActivationOverrideBehavior":{"shape":"ActivationOverrideBehavior"}
  }
},
"OrganizationConfiguration":{
  "type":"structure",
  "required":["EnableIntegration"],
  "members":{
    "EnableIntegration":{"shape":"Boolean"}
  }
},
"PrincipalArnList":{
  "type":"list",
  "member":{"shape":"Arn"},
  "max":1,
  "min":1
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"ProductInformation":{
  "type":"structure",
  "required":[
    "ResourceType",
    "ProductInformationFilterList"
  ],
  "members":{
    "ResourceType":{"shape":"String"},
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    "ProductInformationFilterList":{"shape":"ProductInformationFilterList"}
  }
},
"ProductInformationFilter":{
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  "required":[
    "ProductInformationFilterName",
    "ProductInformationFilterComparator"
  ],
  "members":{
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    "ProductInformationFilterValue":{"shape":"StringList"},
    "ProductInformationFilterComparator":{"shape":"String"}
  }
},
"ProductInformationFilterList":{
  "type":"list",
  "member":{"shape":"ProductInformationFilter"}
},
"ProductInformationList":{
  "type":"list",
  "member":{"shape":"ProductInformation"}
},
"ProvisionalConfiguration":{
  "type":"structure",
  "required":["MaxTimeToLiveInMinutes"],
  "members":{
    "MaxTimeToLiveInMinutes":{"shape":"BoxInteger"}
  }
},
"RateLimitExceededException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
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  "exception":true
},
"ReceivedMetadata":{
  "type":"structure",
  "members":{
    "ReceivedStatus":{"shape":"ReceivedStatus"},
    "ReceivedStatusReason":{"shape":"StatusReasonMessage"},
    "AllowedOperations":{"shape":"AllowedOperationList"}
  }
},
"ReceivedStatus":{
  "type":"string",
  "enum":[
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"PENDING_WORKFLOW",
"PENDING_ACCEPT",
"REJECTED",
"ACTIVE",
"FAILED_WORKFLOW",
"DELETED",
"DISABLED",
"WORKFLOW_COMPLETED"
]
},
"RedirectException":{
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"members":{
"Location":{"shape":"Location"},
"Message":{"shape":"Message"}
},
"exception":true
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"RejectGrantRequest":{
"type":"structure",
"required":["GrantArn"],
"members":{
"GrantArn":{"shape":"Arn"}
}
},
"RejectGrantResponse":{
"type":"structure",
"members":{
"GrantArn":{"shape":"Arn"},
"Status":{"shape":"GrantStatus"},
"Version":{"shape":"String"}
}
},
"RenewType":{
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"enum":[
"None",
"Weekly",
"Monthly"
]
},
"ReportContext":{
"type":"structure",
"required":["licenseConfigurationArns"],
"members":{
"licenseConfigurationArns":{"shape":"ArnList"}
}
},

"ReportFrequency":{
  "type":"structure",
  "members":{
    "value":{"shape":"Integer"},
    "period":{"shape":"ReportFrequencyType"}
  }
},
"ReportFrequencyType":{
  "type":"string",
  "enum":[
    "DAY",
    "WEEK",
    "MONTH"
  ]
},
"ReportGenerator":{
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  "members":{
    "ReportGeneratorName":{"shape":"String"},
    "ReportType":{"shape":"ReportTypeList"},
    "ReportContext":{"shape":"ReportContext"},
    "ReportFrequency":{"shape":"ReportFrequency"},
     "LicenseManagerReportGeneratorArn":{"shape":"String"},
    "LastRunStatus":{"shape":"String"},
    "LastRunFailureReason":{"shape":"String"},
    "LastReportGenerationTime":{"shape":"String"},
    "ReportCreatorAccount":{"shape":"String"},
    "Description":{"shape":"String"},
    "S3Location":{"shape":"S3Location"},
    "CreateTime":{"shape":"String"},
    "Tags":{"shape":"TagList"}
  }
},
"ReportGeneratorList":{
  "type":"list",
  "member":{"shape":"ReportGenerator"}
},
"ReportGeneratorName":{
  "type":"string",
  "max":100,
  "min":1
},
"ReportType":{
  "type":"string",
  "enum":[
    "LicenseConfigurationSummaryReport",
    "LicenseConfigurationUsageReport"
  ]

```
},
"ReportTypeList":{
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  "member":{"shape":"ReportType"}
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"ResourceInventory":{
  "type":"structure",
  "members":{
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     "ResourceType":{"shape":"ResourceType"},
    "ResourceArn":{"shape":"String"},
    "Platform":{"shape":"String"},
    "PlatformVersion":{"shape":"String"},
    "ResourceOwningAccountId":{"shape":"String"}
  }
},
"ResourceInventoryList":{
  "type":"list",
  "member":{"shape":"ResourceInventory"}
},
"ResourceLimitExceededException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
  "exception":true
},
"ResourceNotFoundException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
  "exception":true
},
"ResourceType":{
  "type":"string",
  "enum":[
    "EC2_INSTANCE",
    "EC2_HOST",
    "EC2_AMI",
    "RDS",
    "SYSTEMS_MANAGER_MANAGED_INSTANCE"
  ]
},
"S3Location":{
  "type":"structure",
  "members":{
    "bucket":{"shape":"String"},
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"keyPrefix":{"shape":"String"}

}
},
"ServerInternalException":{
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"members":{
"Message":{"shape":"Message"}
},
"exception":true,
"fault":true
},
"SignedToken":{
"type":"string",
"min":4096
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"StatusReasonMessage":{
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"max":400,
"pattern":"[\\s\\S]+"
},
"String":{"type":"string"},
"StringList":{
"type":"list",
"member":{"shape":"String"}
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"Tag":{
"type":"structure",
"members":{
"Key":{"shape":"String"},
"Value":{"shape":"String"}
}
},
"TagKeyList":{
"type":"list",
"member":{"shape":"String"}
},
"TagList":{
"type":"list",
"member":{"shape":"Tag"}
},
"TagResourceRequest":{
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"required":[
"ResourceArn",
"Tags"
],
"members":{

"ResourceArn":{"shape":"String"},
"Tags":{"shape":"TagList"}
}
},
"TagResourceResponse":{
"type":"structure",
"members":{
}
},
"TokenData":{
"type":"structure",
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"TokenType":{"shape":"String"},
"LicenseArn":{"shape":"String"},
"ExpirationTime":{"shape":"ISO8601DateTime"},
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        "UseDualStack": true
    }
},
{
    "documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager-user-subscriptions.me-south-1.amazonaws.com"
        }
    },
    "params": {
        "UseFIPS": false,
        "Region": "me-south-1",
        "UseDualStack": false
    }
},
{
    "documentation": "For region sa-east-1 with FIPS enabled and DualStack enabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager-user-subscriptions-fips.sa-east-1.api.aws"
        }
    },
    "params": {
        "UseFIPS": true,
        "Region": "sa-east-1",
        "UseDualStack": true
    }
},
{
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"documentation": "For region sa-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-user-subscriptions-fips.sa-east-1.amazonaws.com"
}
},
"params": {
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"Region": "sa-east-1",
"UseDualStack": false
}
},
{
"documentation": "For
region sa-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.sa-east-1.api.aws"
}
},
"params": {
"UseFIPS": false,
"Region": "sa-east-1",
"UseDualStack": true
}
},
{
"documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.sa-east-1.amazonaws.com"
}
},
"params": {
"UseFIPS": false,
"Region": "sa-east-1",
"UseDualStack": false
}
},
{
"documentation": "For region ap-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.ap-east-1.api.aws"
}
},
"params": {
"UseFIPS": true,

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            "Region": "ap-east-1",
            "UseDualStack": true
        }
    },
    {
        "documentation": "For region ap-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-user-subscriptions-fips.ap-east-1.amazonaws.com"
            }
        },
        "params": {
            "UseFIPS": true,
            "Region": "ap-east-1",
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region ap-east-1 with FIPS disabled and DualStack enabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-user-subscriptions.ap-east-1.api.aws"

}
        },
        "params": {
            "UseFIPS": false,
            "Region": "ap-east-1",
            "UseDualStack": true
        }
    },
    {
        "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-user-subscriptions.ap-east-1.amazonaws.com"
            }
        },
        "params": {
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            "Region": "ap-east-1",
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region ap-southeast-1 with FIPS enabled and DualStack enabled",
        "expect": {
            "endpoint": {
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            "url": "https://license-manager-user-subscriptions-fips.ap-southeast-1.api.aws"
          }
        },
        "params": {
          "UseFIPS": true,
          "Region":
"ap-southeast-1",
          "UseDualStack": true
        }
      },
      {
        "documentation": "For region ap-southeast-1 with FIPS enabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-user-subscriptions-fips.ap-southeast-1.amazonaws.com"
          }
        },
        "params": {
          "UseFIPS": true,
          "Region": "ap-southeast-1",
          "UseDualStack": false
        }
      },
      {
        "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack enabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-user-subscriptions.ap-southeast-1.api.aws"
          }
        },
        "params": {
          "UseFIPS": false,
          "Region": "ap-southeast-1",
          "UseDualStack": true
        }

    },
      {
        "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-user-subscriptions.ap-southeast-1.amazonaws.com"
          }
        },
        "params": {
          "UseFIPS": false,
          "Region": "ap-southeast-1",
          "UseDualStack": false
```

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        }
    },
    {
        "documentation": "For region ap-southeast-2 with FIPS enabled and DualStack enabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-user-subscriptions-fips.ap-southeast-2.api.aws"
            }
        },
        "params": {
            "UseFIPS": true,
            "Region": "ap-southeast-2",
            "UseDualStack": true
        }
    },
    {
        "documentation": "For region ap-southeast-2 with FIPS
enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-user-subscriptions-fips.ap-southeast-2.amazonaws.com"
            }
        },
        "params": {
            "UseFIPS": true,
            "Region": "ap-southeast-2",
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region ap-southeast-2 with FIPS disabled and DualStack enabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-user-subscriptions.ap-southeast-2.api.aws"
            }
        },
        "params": {
            "UseFIPS": false,
            "Region": "ap-southeast-2",
            "UseDualStack": true
        }
    },
    {
        "documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint":
{
                "url": "https://license-manager-user-subscriptions.ap-southeast-2.amazonaws.com"
```

```
        }
    },
    "params": {
        "UseFIPS": false,
        "Region": "ap-southeast-2",
        "UseDualStack": false
    }
},
{
    "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
        }
    },
    "params": {
        "UseFIPS": true,
        "Region": "us-east-1",
        "UseDualStack": true
    }
},
{
    "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
         }
    },
    "params": {
        "UseFIPS": true,
        "Region": "us-east-1",
        "UseDualStack": false
    }
},
{
    "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
        }
    },
    "params": {
        "UseFIPS": false,
        "Region": "us-east-1",
        "UseDualStack": true
    }
},
{
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"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
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}
},
"params": {
"UseFIPS": false,

"Region": "us-east-1",
"UseDualStack": false
}
},
{
"documentation": "For region us-east-2 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-east-2.api.aws"
}
},
"params": {
"UseFIPS": true,
"Region": "us-east-2",
"UseDualStack": true
}
},
{
"documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-east-2.amazonaws.com"
}
},
"params": {
"UseFIPS": true,
"Region": "us-east-2",
"UseDualStack": false
}
},
{

"documentation": "For region us-east-2 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-2.api.aws"
}
},
"params": {

"UseFIPS": false,
"Region": "us-east-2",
"UseDualStack": true
}
},
{
"documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-2.amazonaws.com"
}
},
"params": {
"UseFIPS": false,
"Region": "us-east-2",
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack disabled",
"expect":
{
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"Region": "us-east-1",
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"UseFIPS": true,
"Region": "us-east-1",
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {

"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"

},
"params": {
"UseFIPS": false,
"Region": "us-east-1",
"UseDualStack": true,
"Endpoint": "https://example.com"
}
}
],
"version": "1.0"
}
{
"version": "2.0",
"service": " License Manager makes it easier to manage licenses from software vendors across multiple Amazon Web Services accounts and on-premises servers. ",
"operations": {
"AcceptGrant": " Accepts the specified grant. ",
"CheckInLicense": " Checks in the specified license. Check in a license when it is no longer in use. ",
"CheckoutBorrowLicense": " Checks out the specified license for offline use. ",
"CheckoutLicense": " Checks out the specified license. <note> If the account that created the license is the same that is performing the check out, you must specify the account as the beneficiary. </note>",
"CreateGrant": " Creates a grant for the specified license. A grant shares the use of license entitlements with a specific Amazon Web Services account, an organization, or an organizational unit (OU). For more information, see Granted licenses in License Manager in the License Manager User Guide. ",
"CreateGrantVersion": " Creates a new version of the specified grant. For more information, see Granted licenses in License Manager in the License Manager User Guide. ",
"CreateLicense": " Creates a license. ",
"CreateLicenseConfiguration": " Creates a license configuration. A license configuration is an abstraction of a customer license agreement that can be consumed and enforced by License Manager. Components include specifications for the license type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a license must be associated with a host), and the number of licenses purchased and used. ",
"CreateLicenseConversionTaskForResource":
" Creates a new license conversion task. ",
"CreateLicenseManagerReportGenerator": " Creates a report generator. ",
"CreateLicenseVersion": " Creates a new version of the specified license. ",
"CreateToken": " Creates a long-lived token. A refresh token is a JWT token used to get an access token. With an access token, you can call AssumeRoleWithWebIdentity to get role credentials that you can use to call License Manager to manage the specified license. ",
"DeleteGrant": " Deletes the specified grant. ",
"DeleteLicense": " Deletes the specified license. ",
"DeleteLicenseConfiguration": " Deletes the specified license configuration. You cannot delete a license configuration that is in use. ",
"DeleteLicenseManagerReportGenerator": " Deletes the specified report generator. This action deletes

the report generator, which stops it from generating future reports. The action cannot be reversed. It has no effect on the previous reports from this generator. ",
"DeleteToken": " Deletes the specified token. Must be called in the license home Region. ",
"ExtendLicenseConsumption": " Extends the expiration date for license consumption. ",
"GetAccessToken": " Gets a temporary access token to use with AssumeRoleWithWebIdentity. Access tokens are valid for one hour. ",
"GetGrant": " Gets detailed information about the specified grant. ",
"GetLicense": " Gets detailed information about the specified license. ",
"GetLicenseConfiguration": " Gets detailed information about the specified license configuration. ",
"GetLicenseConversionTask": " Gets information about the specified license type conversion task. ",
"GetLicenseManagerReportGenerator": " Gets information about the specified report generator. ",
"GetLicenseUsage": " Gets detailed information about the usage of the specified license. ",
"GetServiceSettings": " Gets the License Manager settings for the current Region. ",
"ListAssociationsForLicenseConfiguration": " Lists the resource associations for the specified license configuration. Resource associations need not consume licenses from a license configuration. For example, an AMI or a stopped instance might not consume a license (depending on the license rules). ",
"ListDistributedGrants": " Lists the grants distributed for the specified license. ",
"ListFailuresForLicenseConfigurationOperations": " Lists the license configuration operations that failed. ",
"ListLicenseConfigurations": " Lists the license configurations for your account. ",
"ListLicenseConversionTasks": " Lists the license type conversion tasks for your account. ",
"ListLicenseManagerReportGenerators": " Lists the report generators for your account. ",
"ListLicenseSpecificationsForResource": " Describes the license configurations for the specified resource. ",
"ListLicenseVersions": " Lists all versions of the specified license. ",
"ListLicenses": " Lists the licenses for your account. ",
"ListReceivedGrants": " Lists grants that are received. Received grants are grants created while specifying the recipient as this Amazon Web Services account, your organization, or an organizational unit (OU) to which this member account belongs. ",
"ListReceivedGrantsForOrganization": " Lists the grants received for all accounts in the organization. ",
"ListReceivedLicenses": " Lists received licenses. ",
"ListReceivedLicensesForOrganization": " Lists the licenses received for all accounts in the organization. ",
"ListResourceInventory": " Lists resources managed using Systems Manager inventory. ",
"ListTagsForResource": " Lists the tags for the specified license configuration. ",
"ListTokens": " Lists your tokens. ",
"ListUsageForLicenseConfiguration": " Lists all license usage records for a license configuration, displaying license consumption details by resource at a selected point in time. Use this action to audit the current license consumption for any license inventory and configuration. ",
"RejectGrant": " Rejects the specified grant. ",
"TagResource": " Adds the specified tags to the specified license configuration. ",
"UntagResource": " Removes the specified tags from the specified license configuration. ",
"UpdateLicenseConfiguration": " Modifies the attributes of an existing license configuration. ",
"UpdateLicenseManagerReportGenerator": " Updates a report generator. After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated. ",
"UpdateLicenseSpecificationsForResource": " Adds or removes the specified license configurations for the

specified Amazon Web Services resource. You can update the
license specifications of AMIs, instances, and hosts. You cannot update the license specifications for launch templates and CloudFormation templates, as they send license configurations to the operation that creates the resource. ",
  "UpdateServiceSettings": " Updates License Manager settings for the current Region. "
 },
 "shapes": {
  "AcceptGrantRequest": {
   "base": null,
   "refs": {
   }
  },
  "AcceptGrantResponse": {
   "base": null,
   "refs": {
   }
  },
  "AccessDeniedException": {
   "base": " Access to resource denied. ",
   "refs": {
   }
  },
  "ActivationOverrideBehavior": {
   "base": null,
   "refs": {
    "Options$ActivationOverrideBehavior": " An activation option for your grant that determines the behavior of activating a grant. Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code>
 for the <code>Status</code> parameter.   As a license administrator, you can optionally specify an <code>ActivationOverrideBehavior</code> when activating a grant.   As a grantor, you can optionally specify an <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee account in your organization.   As a grantee, if the grantor creating the distributed grant doesnt specify an <code>ActivationOverrideBehavior</code>, you can optionally specify one when you are activating the grant.   <dl> <dt>DISTRIBUTED_GRANTS_ONLY</dt> <dd> Use this value to activate a grant without replacing any member accounts active grants for the same product. </dd>
<dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt> <dd> Use this value to activate a grant and disable other active grants in any member accounts for the same product. This action will also replace their previously activated grants with this activated grant.
 </dd> </dl>"
   }
  },
  "AllowedOperation": {
   "base": null,
   "refs": {
    "AllowedOperationList$member": null
   }
  },
  "AllowedOperationList": {

"base": null,
"refs": {
"CreateGrantRequest$AllowedOperations": " Allowed operations for the grant. ",
"CreateGrantVersionRequest$AllowedOperations": " Allowed operations for the grant. ",
"Grant$GrantedOperations": " Granted operations. ",
"ReceivedMetadata$AllowedOperations": " Allowed operations. "
}
},
"Arn": {
"base": null,
"refs": {
"AcceptGrantRequest$GrantArn": " Amazon Resource Name (ARN) of the grant. ",
"AcceptGrantResponse$GrantArn": " Grant ARN. ",
"ArnList$member": null,
"CheckoutBorrowLicenseRequest$LicenseArn": " Amazon Resource Name (ARN) of the license. The license must use the borrow consumption configuration. ",
"CheckoutBorrowLicenseResponse$LicenseArn": " Amazon Resource Name (ARN) of the license. ",
"CreateGrantRequest$LicenseArn": " Amazon Resource Name (ARN) of the license. ",
"CreateGrantResponse$GrantArn": " Grant ARN. ",
"CreateGrantVersionRequest$GrantArn": " Amazon Resource Name (ARN) of the grant. ",
"CreateGrantVersionResponse$GrantArn": " Grant ARN. ",
"CreateLicenseConversionTaskForResourceRequest$ResourceArn": " Amazon Resource Name (ARN) of the resource you are converting the license type for. ",
"CreateLicenseResponse$LicenseArn": " Amazon Resource Name (ARN) of the license. ",
"CreateLicenseVersionRequest$LicenseArn": " Amazon Resource Name (ARN) of the license. ",
"CreateLicenseVersionResponse$LicenseArn": " License ARN. ",
"CreateTokenRequest$LicenseArn": " Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the JWT token. ",
"DeleteGrantRequest$GrantArn": " Amazon Resource Name (ARN) of the grant. ",
"DeleteGrantResponse$GrantArn": " Grant ARN. ",
"DeleteLicenseRequest$LicenseArn": " Amazon Resource Name (ARN) of the license. ",
"GetGrantRequest$GrantArn": " Amazon Resource Name (ARN) of the grant. ",
"GetLicenseRequest$LicenseArn": " Amazon Resource Name (ARN) of the license. ",
"GetLicenseUsageRequest$LicenseArn": " Amazon Resource Name (ARN) of the license. ",
"Grant$GrantArn": " Amazon Resource Name (ARN) of the grant. ",
"Grant$ParentArn": " Parent ARN. ",
"Grant$LicenseArn": " License ARN. ",
"Grant$GranteePrincipalArn": " The grantee principal ARN. ",
"GrantedLicense$LicenseArn": " Amazon Resource Name (ARN) of the license. ",
"License$LicenseArn": " Amazon Resource Name (ARN) of the license. ",
"ListLicenseVersionsRequest$LicenseArn": " Amazon Resource Name (ARN) of the license. ",
"ListReceivedGrantsForOrganizationRequest$LicenseArn": " The Amazon Resource Name (ARN) of the received license. ",
"PrincipalArnList$member": null,
"RejectGrantRequest$GrantArn": " Amazon Resource Name (ARN) of the grant. ",

"RejectGrantResponse$GrantArn": " Grant ARN. "
}
},
"ArnList": {
"base": null,
"refs": {
"CreateTokenRequest$RoleArns": " Amazon Resource Name (ARN) of the IAM roles to embed in the token. License Manager does not check whether the roles are in use. ",
"ListDistributedGrantsRequest$GrantArns": " Amazon Resource Names (ARNs) of the grants. ",
"ListLicensesRequest$LicenseArns": " Amazon Resource Names (ARNs) of the licenses. ",
"ListReceivedGrantsRequest$GrantArns": " Amazon Resource Names (ARNs) of the grants. ",
"ListReceivedLicensesRequest$LicenseArns": " Amazon Resource Names (ARNs) of the licenses. ",

"ReportContext$licenseConfigurationArns": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"TokenData$RoleArns": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"AuthorizationException": {
"base": " The Amazon Web Services user account does not have permission to perform the action. Check the IAM policy associated with this account. ",
"refs": {
}
},
"AutomatedDiscoveryInformation": {
"base": " Describes automated discovery. ",
"refs": {
"GetLicenseConfigurationResponse$AutomatedDiscoveryInformation": " Automated discovery information. ",
"LicenseConfiguration$AutomatedDiscoveryInformation": " Automated discovery information. "
}
},
"Boolean": {
"base": null,
"refs": {
"ExtendLicenseConsumptionRequest$DryRun": " Checks whether you have the required permissions for the action,
without actually making the request. Provides an error response if you do not have the required permissions. ",
"OrganizationConfiguration$EnableIntegration": " Enables Organizations integration. "
}
},
"BorrowConfiguration": {
"base": " Details about a borrow configuration. ",
"refs": {
"ConsumptionConfiguration$BorrowConfiguration": " Details about a borrow configuration. "
}
},
"BoxBoolean": {

"base": null,
"refs": {
"BorrowConfiguration$AllowEarlyCheckIn": " Indicates whether early check-ins are allowed. ",
"CreateLicenseConfigurationRequest$LicenseCountHardLimit": " Indicates whether hard or soft license enforcement is used. Exceeding a hard limit blocks the launch of new instances. ",
"CreateLicenseConfigurationRequest$DisassociateWhenNotFound": " When true, disassociates a resource when software is uninstalled. ",
"Entitlement$Overage": " Indicates whether overages are allowed. ",
"Entitlement$AllowCheckIn": " Indicates whether check-ins are allowed. ",
"GetLicenseConfigurationResponse$LicenseCountHardLimit": " Sets the number of available licenses as a hard limit. ",
"GetLicenseConfigurationResponse$DisassociateWhenNotFound": " When true, disassociates a resource when software is uninstalled. ",
"GetServiceSettingsResponse$EnableCrossAccountsDiscovery": " Indicates whether cross-account discovery is enabled. ",
"LicenseConfiguration$LicenseCountHardLimit": " Number of available licenses as a hard limit. ",
"LicenseConfiguration$DisassociateWhenNotFound": " When true, disassociates a resource when software is uninstalled. ",
"UpdateLicenseConfigurationRequest$LicenseCountHardLimit": " New hard limit of the number of available licenses. ",
"UpdateLicenseConfigurationRequest$DisassociateWhenNotFound": " When true, disassociates a resource when software is uninstalled. ",
"UpdateServiceSettingsRequest$EnableCrossAccountsDiscovery": " Activates cross-account discovery. "
}
},
"BoxInteger": {
"base": null,
"refs": {
"BorrowConfiguration$MaxTimeToLiveInMinutes": " Maximum time for the borrow configuration, in minutes. ",
"ListAssociationsForLicenseConfigurationRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListFailuresForLicenseConfigurationOperationsRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListLicenseConfigurationsRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListLicenseConversionTasksRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListLicenseSpecificationsForResourceRequest$MaxResults": " Maximum number of results to return in a single call. ",

"ListResourceInventoryRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListUsageForLicenseConfigurationRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ProvisionalConfiguration$MaxTimeToLiveInMinutes": " Maximum time for the provisional configuration, in minutes. "

```
    }
  },
  "BoxLong": {
    "base": null,
    "refs": {
      "ConsumedLicenseSummary$ConsumedLicenses": "<p>Number of licenses consumed by the resource.</p>",
      "CreateLicenseConfigurationRequest$LicenseCount": "<p>Number of licenses managed by the license
configuration.</p>",
      "GetLicenseConfigurationResponse$LicenseCount": "<p>Number of available licenses.</p>",
      "GetLicenseConfigurationResponse$ConsumedLicenses": "<p>Number of licenses assigned to resources.</p>",
      "LicenseConfiguration$LicenseCount": "<p>Number of licenses managed by the license configuration.</p>",
      "LicenseConfiguration$ConsumedLicenses":
 "<p>Number of licenses consumed. </p>",
      "LicenseConfigurationUsage$ConsumedLicenses": "<p>Number of licenses consumed by the resource.</p>",
      "ManagedResourceSummary$AssociationCount": "<p>Number of resources associated with licenses.</p>",
      "UpdateLicenseConfigurationRequest$LicenseCount": "<p>New number of licenses managed by the license
configuration.</p>"
    }
  },
  "CheckInLicenseRequest": {
    "base": null,
    "refs": {
    }
  },
  "CheckInLicenseResponse": {
    "base": null,
    "refs": {
    }
  },
  "CheckoutBorrowLicenseRequest": {
    "base": null,
    "refs": {
    }
  },
  "CheckoutBorrowLicenseResponse": {
    "base": null,
    "refs": {
    }
  },
  "CheckoutLicenseRequest": {
    "base": null,
    "refs": {
    }
  },
  "CheckoutLicenseResponse": {
    "base": null,
    "refs": {
    }
```

```
  },
  "CheckoutType": {
    "base": null,
    "refs": {
      "CheckoutLicenseRequest$CheckoutType": "<p>Checkout type.</p>",
      "CheckoutLicenseResponse$CheckoutType": "<p>Checkout type.</p>"
    }
  },
  "ClientRequestToken": {
    "base": null,
    "refs": {
      "CreateLicenseManagerReportGeneratorRequest$ClientToken": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
      "UpdateLicenseManagerReportGeneratorRequest$ClientToken": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>"
    }
  },
  "ClientToken": {
    "base": null,
    "refs": {
      "CheckoutBorrowLicenseRequest$ClientToken": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
      "CheckoutLicenseRequest$ClientToken": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
      "CreateGrantRequest$ClientToken": "<p>Unique, case-sensitive
 identifier that you provide to ensure the idempotency of the request.</p>",
      "CreateGrantVersionRequest$ClientToken": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
      "CreateLicenseRequest$ClientToken": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
      "CreateLicenseVersionRequest$ClientToken": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
      "CreateTokenRequest$ClientToken": "<p>Idempotency token, valid for 10 minutes.</p>"
    }
  },
  "ConflictException": {
    "base": "<p>There was a conflict processing the request. Try your request again.</p>",
    "refs": {
    }
  },
  "ConsumedLicenseSummary": {
    "base": "<p>Details about license consumption.</p>",
    "refs": {
      "ConsumedLicenseSummaryList$member": null
    }
  },
  "ConsumedLicenseSummaryList": {
```

"base": null,
"refs": {
"GetLicenseConfigurationResponse$ConsumedLicenseSummaryList": " Summaries of the licenses consumed by resources. ",
"LicenseConfiguration$ConsumedLicenseSummaryList": " Summaries for licenses consumed by various resources. "
}
},
"ConsumptionConfiguration": {
"base": " Details about a consumption configuration. ",
"refs": {
"CreateLicenseRequest$ConsumptionConfiguration": " Configuration for consumption of the license. Choose a provisional configuration for workloads running with continuous connectivity. Choose a borrow configuration for workloads with offline usage. ",
"CreateLicenseVersionRequest$ConsumptionConfiguration": " Configuration for consumption of the license. Choose a provisional configuration for workloads running with continuous connectivity. Choose a borrow configuration for workloads with offline usage. ",
"GrantedLicense$ConsumptionConfiguration": " Configuration for consumption of the license. ",
"License$ConsumptionConfiguration": " Configuration for consumption of the license. "
}
},
"CreateGrantRequest": {
"base": null,
"refs": {
}
},
"CreateGrantResponse": {
"base": null,
"refs": {
}
},
"CreateGrantVersionRequest": {
"base": null,
"refs": {
}
},
"CreateGrantVersionResponse": {
"base": null,
"refs": {
}
},
"CreateLicenseConfigurationRequest": {
"base": null,
"refs": {
}
},
"CreateLicenseConfigurationResponse": {

"base": null,
"refs": {
}
},
"CreateLicenseConversionTaskForResourceRequest": {
"base": null,
"refs": {
}
},
"CreateLicenseConversionTaskForResourceResponse": {
"base": null,
"refs": {
}
},
"CreateLicenseManagerReportGeneratorRequest": {
"base": null,
"refs": {

}
},
"CreateLicenseManagerReportGeneratorResponse": {
"base": null,
"refs": {
}
},
"CreateLicenseRequest": {
"base": null,
"refs": {
}
},
"CreateLicenseResponse": {
"base": null,
"refs": {
}
},
"CreateLicenseVersionRequest": {
"base": null,
"refs": {
}
},
"CreateLicenseVersionResponse": {
"base": null,
"refs": {
}
},
"CreateTokenRequest": {
"base": null,
"refs": {

```
    }
  },
  "CreateTokenResponse": {
    "base": null,
    "refs": {
    }
  },
  "DateTime": {
    "base": null,
    "refs": {
      "AutomatedDiscoveryInformation$LastRunTime": "<p>Time that automated discovery last ran.</p>",
      "GetLicenseConversionTaskResponse$StartTime": "<p>Time at which the license type conversion task was started .</p>",
      "GetLicenseConversionTaskResponse$LicenseConversionTime": "<p>Amount of time to complete the license type conversion.</p>",
      "GetLicenseConversionTaskResponse$EndTime": "<p>Time at which the license type conversion task was completed.</p>",
      "LicenseConfigurationAssociation$AssociationTime": "<p>Time when the license configuration was associated with the resource.</p>",
      "LicenseConfigurationUsage$AssociationTime": "<p>Time when the license configuration was initially associated with the resource.</p>",
      "LicenseConversionTask$StartTime": "<p>The time the conversion task was started at.</p>",
      "LicenseConversionTask$LicenseConversionTime": "<p>The time the usage operation value of the resource was changed.</p>",
      "LicenseConversionTask$EndTime": "<p>The time the conversion task was completed.</p>",
      "LicenseOperationFailure$FailureTime": "<p>Failure time.</p>"
    }
  },
  "DatetimeRange": {
    "base": "<p>Describes a time range, in ISO8601-UTC format.</p>",
    "refs": {
      "CreateLicenseRequest$Validity": "<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>",
      "CreateLicenseVersionRequest$Validity": "<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>",
      "GrantedLicense$Validity": "<p>Date and time range during which the granted license is valid, in ISO8601-UTC format.</p>",
      "License$Validity": "<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>"
    }
  },
  "DeleteGrantRequest": {
    "base": null,
    "refs": {
    }
  },
  "DeleteGrantResponse": {
    "base": null,
    "refs": {
```

```
    }
  },
  "DeleteLicenseConfigurationRequest": {
    "base": null,
    "refs": {
    }
  },
  "DeleteLicenseConfigurationResponse": {
    "base": null,
    "refs": {
    }
  },
  "DeleteLicenseManagerReportGeneratorRequest": {
    "base": null,
    "refs": {
    }
  },
  "DeleteLicenseManagerReportGeneratorResponse": {
    "base": null,
     "refs": {
    }
  },
  "DeleteLicenseRequest": {
    "base": null,
    "refs": {
    }
  },
  "DeleteLicenseResponse": {
    "base": null,
    "refs": {
    }
  },
  "DeleteTokenRequest": {
    "base": null,
    "refs": {
    }
  },
  "DeleteTokenResponse": {
    "base": null,
    "refs": {
    }
  },
  "DigitalSignatureMethod": {
    "base": null,
    "refs": {
      "CheckoutBorrowLicenseRequest$DigitalSignatureMethod": "<p>Digital signature method. The possible value is JSON Web Signature (JWS) algorithm PS384. For more information, see <a href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS</a>.</p>"
```

```
    }
  },
  "Entitlement": {
    "base": "<p>Describes a resource entitled for use with a license.</p>",
    "refs": {
      "EntitlementList$member": null
    }
  },
  "EntitlementData": {
    "base": "<p>Data associated with an entitlement resource.</p>",

    "refs": {
      "EntitlementDataList$member": null
    }
  },
  "EntitlementDataList": {
    "base": null,
    "refs": {
      "CheckoutBorrowLicenseRequest$Entitlements": "<p>License entitlements. Partial checkouts are not
supported.</p>",
      "CheckoutBorrowLicenseResponse$EntitlementsAllowed": "<p>Allowed license entitlements.</p>",
      "CheckoutLicenseRequest$Entitlements": "<p>License entitlements.</p>",
      "CheckoutLicenseResponse$EntitlementsAllowed": "<p>Allowed license entitlements.</p>"
    }
  },
  "EntitlementDataUnit": {
    "base": null,
    "refs": {
      "EntitlementData$Unit": "<p>Entitlement data unit.</p>",
      "EntitlementUsage$Unit": "<p>Entitlement usage unit.</p>"
    }
  },
  "EntitlementList": {
    "base": null,
    "refs": {
      "CreateLicenseRequest$Entitlements": "<p>License entitlements.</p>",
      "CreateLicenseVersionRequest$Entitlements": "<p>License entitlements.</p>",
      "GrantedLicense$Entitlements":
 "<p>License entitlements.</p>",
      "License$Entitlements": "<p>License entitlements.</p>"
    }
  },
  "EntitlementNotAllowedException": {
    "base": "<p>The entitlement is not allowed.</p>",
    "refs": {
    }
  },
  "EntitlementUnit": {
```

"base": null,
"refs": {
"Entitlement$Unit": " Entitlement unit. "
}
},
"EntitlementUsage": {
"base": " Usage associated with an entitlement resource. ",
"refs": {
"EntitlementUsageList$member": null
}
},
"EntitlementUsageList": {
"base": null,
"refs": {
"LicenseUsage$EntitlementUsages": " License entitlement usages. "
}
},
"ExtendLicenseConsumptionRequest": {
"base": null,
"refs": {
}
},
"ExtendLicenseConsumptionResponse": {
"base": null,
"refs": {
}
},
"FailedDependencyException": {
"base": " A dependency required to run the API is missing. ",
"refs": {
}
},
"Filter": {
"base": " A filter name and value pair that is used to return more specific results from a describe operation. Filters can be used to match a set of resources by specific criteria, such as tags, attributes, or IDs. ",
"refs": {
"FilterList$member": null,
"Filters$member": null
}
},
"FilterLimitExceededException": {
"base": " The request uses too many filters or too many filter values. ",
"refs": {
}
},
"FilterList": {
"base": null,
"refs": {

"ListDistributedGrantsRequest$Filters": " Filters to scope the results. The following filters are supported: <ul> <code>LicenseArn</code>   <code>GrantStatus</code>   <code>GranteePrincipalARN</code>   <code>ProductSKU</code>   <code>LicenseIssuerName</code> ",
"ListLicenseManagerReportGeneratorsRequest$Filters": " Filters to scope the results. The following filters are supported: <ul> <code>LicenseConfigurationArn</code> ",
"ListLicensesRequest$Filters": " Filters to scope the results. The following filters are supported: <ul> <code>Beneficiary</code>   <code>ProductSKU</code>   <code>Fingerprint</code>   <code>Status</code> ",
"ListReceivedGrantsForOrganizationRequest$Filters": " Filters to scope the results. The following filters are supported: <ul> <code>ParentArn</code>   <code>GranteePrincipalArn</code> ",
"ListReceivedGrantsRequest$Filters": " Filters to scope the results. The following filters are supported: <ul> <code>ProductSKU</code>   <code>LicenseIssuerName</code>   <code>LicenseArn</code>   <code>GrantStatus</code>   <code>GranterAccountId</code> ",
"ListReceivedLicensesForOrganizationRequest$Filters": " Filters to scope the results. The following filters are supported: <ul> <code>Beneficiary</code>   <code>ProductSKU</code> ",
"ListReceivedLicensesRequest$Filters": " Filters to scope the results. The following filters are supported: <ul> <code>ProductSKU</code>   <code>Status</code>   <code>Fingerprint</code>   <code>IssuerName</code>   <code>Beneficiary</code> ",
"ListTokensRequest$Filters": " Filters to scope the results. The following filter is supported: <ul> <code>LicenseArns</code> "
}
},
"FilterName": {
"base": null,
"refs": {
"Filter$Name": " Name of the filter. Filter names are case-sensitive. "
}
},
"FilterValue": {
"base": null,
"refs": {
"FilterValues$member": null
}
},
"FilterValues": {
"base": null,
"refs": {
"Filter$Values": " The value of the filter, which is case-sensitive. You can only specify one value for the filter. "
}
},
"Filters": {

"base": null,
"refs": {
"ListLicenseConfigurationsRequest$Filters": " Filters to scope the results. The following filters and logical operators are supported: <ul> <code>licenseCountingType</code> - The dimension for which licenses are counted. Possible values are <code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.   <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license enforcement is used. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.   <code>usagelimitExceeded</code> - A Boolean value that indicates whether the available licenses have been exceeded. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. ",
"ListLicenseConversionTasksRequest$Filters": " Filters to scope the results. Valid filters are <code>ResourceArns</code> and <code>Status</code>. ",
"ListUsageForLicenseConfigurationRequest$Filters": " Filters to scope the results. The following filters and logical operators are supported: <ul> <code>resourceArn</code> - The ARN of the license configuration resource. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.   <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.   <code>resourceAccount</code> - The ID of the account that owns the resource. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. "
}
},
"GetAccessTokenRequest": {
"base": null,
"refs": {
}
},
"GetAccessTokenResponse": {
"base": null,
"refs": {
}
},
"GetGrantRequest": {
"base": null,
"refs": {
}
},
"GetGrantResponse": {
"base": null,
"refs": {
}
},
"GetLicenseConfigurationRequest": {
"base": null,
"refs": {
}

```
  },
  "GetLicenseConfigurationResponse": {
    "base": null,
    "refs": {
    }
  },
  "GetLicenseConversionTaskRequest": {
    "base": null,
    "refs": {
    }
  },
  "GetLicenseConversionTaskResponse": {
    "base": null,
    "refs": {
    }
  },
  "GetLicenseManagerReportGeneratorRequest": {
    "base": null,
    "refs": {
    }
  },
  "GetLicenseManagerReportGeneratorResponse": {
    "base":
null,
    "refs": {
    }
  },
  "GetLicenseRequest": {
    "base": null,
    "refs": {
    }
  },
  "GetLicenseResponse": {
    "base": null,
    "refs": {
    }
  },
  "GetLicenseUsageRequest": {
    "base": null,
    "refs": {
    }
  },
  "GetLicenseUsageResponse": {
    "base": null,
    "refs": {
    }
  },
  "GetServiceSettingsRequest": {
```

"base": null,
"refs": {
}
},
"GetServiceSettingsResponse": {
"base": null,
"refs": {
}
},
"Grant": {
"base": " Describes a grant. ",
"refs": {
"GetGrantResponse$Grant": " Grant details. ",
"GrantList$member": null
}
},
"GrantList": {
"base": null,
"refs": {
"ListDistributedGrantsResponse$Grants": " Distributed grant details. ",
"ListReceivedGrantsForOrganizationResponse$Grants": " Lists the grants the organization has received. ",
"ListReceivedGrantsResponse$Grants": " Received grant details. "
}
},
"GrantStatus": {
"base": null,
"refs": {
"AcceptGrantResponse$Status": " Grant status. ",
"CreateGrantResponse$Status": " Grant status. ",
"CreateGrantVersionRequest$Status": " Grant status. ",
"CreateGrantVersionResponse$Status": " Grant status. ",
"DeleteGrantResponse$Status": " Grant status. ",
"Grant$GrantStatus": " Grant status. ",
"RejectGrantResponse$Status": " Grant status. "
}
},
"GrantedLicense": {
"base": " Describes a license that is granted to a grantee. ",
"refs": {
"GrantedLicenseList$member": null
}
},
"GrantedLicenseList": {
"base": null,
"refs": {
"ListReceivedLicensesForOrganizationResponse$Licenses": " Lists the licenses the organization has

received. ",
"ListReceivedLicensesResponse$Licenses": " Received license details. "
}
},
"ISO8601DateTime": {
"base": null,
"refs": {
"CheckoutBorrowLicenseResponse$IssuedAt": " Date and time at which the license checkout is issued. ",
"CheckoutBorrowLicenseResponse$Expiration": " Date and time at which the license checkout expires. ",
"CheckoutLicenseResponse$IssuedAt": " Date and time at which the license checkout is issued. ",
"CheckoutLicenseResponse$Expiration": " Date and time at which the license checkout expires. ",
"DatetimeRange$Begin": " Start of the time range. ",
"DatetimeRange$End": " End of the time range. ",
"DeleteLicenseResponse$DeletionDate": " Date when the license is deleted. ",
"ExtendLicenseConsumptionResponse$Expiration": " Date and time at which the license consumption expires. ",
"GrantedLicense$CreateTime": " Creation time of the granted license. ",
"License$CreateTime": " License creation time. ",
"TokenData$ExpirationTime": " Token expiration time, in ISO8601-UTC format. "
}
},
"Integer": {
"base": null,
"refs": {
"CreateTokenRequest$ExpirationInDays": " Token expiration, in days, counted from token creation. The default is 365 days. ",
"ReportFrequency$value": " Number of times within the frequency period that a report is generated. The only supported value is <code>1</code>. "
}
},
"InvalidParameterValueException": {
"base": " One or more parameter values are not valid. ",
"refs": {
}
},
"InvalidResourceStateException": {
"base": " License Manager cannot allocate a license to a resource because of its state. For example, you cannot allocate a license to an instance in the process of shutting down. ",
"refs": {
}
},
"InventoryFilter": {
"base": " An inventory filter. ",
"refs": {

"InventoryFilterList$member": null
}
},
"InventoryFilterCondition": {
"base": null,
"refs": {
"InventoryFilter$Condition": " Condition of the filter. "
}
},
"InventoryFilterList": {
"base": null,
"refs": {
"ListResourceInventoryRequest$Filters": " Filters to scope the results. The following filters and logical operators are supported: <ul> <code>account_id</code> - The ID of the Amazon Web Services account that owns the resource. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.   <code>application_name</code> - The name of the application. Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.   <code>license_included</code> - The type of license included. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. Possible values are <code>sql-server-enterprise</code> | <code>sql-server-standard</code> | <code>sql-server-web</code>
| <code>windows-server-datacenter</code>.   <code>platform</code> - The platform of the resource. Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.   <code>resource_id</code> - The ID of the resource. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.   <code>tag:<key></code> - The key/value combination of a tag assigned to the resource. Logical operators are <code>EQUALS</code> (single account) or <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account). "
}
},
"Issuer": {
"base": " Details about the issuer of a license. ",
"refs": {
"CreateLicenseRequest$Issuer": " License issuer. ",
"CreateLicenseVersionRequest$Issuer": " License issuer. "
}
},
"IssuerDetails": {
"base": " Details associated with the issuer of a license. ",
"refs": {
"GrantedLicense$Issuer": " Granted
license issuer. ",
"License$Issuer": " License issuer. "
}
},
"License": {
"base": " Software license that is managed in License Manager. ",
"refs": {
"GetLicenseResponse$License": " License details. ",

"LicenseList$member": null
}
},
"LicenseConfiguration": {
"base": " A license configuration is an abstraction of a customer license agreement that can be consumed and enforced by License Manager. Components include specifications for the license type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM must be associated with a host), and the number of licenses purchased and used. ",
"refs": {
"LicenseConfigurations$member": null
}
},
"LicenseConfigurationAssociation": {
"base": " Describes an association with a license configuration. ",
"refs": {
"LicenseConfigurationAssociations$member": null
}
},
"LicenseConfigurationAssociations": {
"base": null,
"refs": {
"ListAssociationsForLicenseConfigurationResponse$LicenseConfigurationAssociations": " Information about the associations for the license configuration. "
}
},
"LicenseConfigurationStatus": {
"base": null,
"refs": {
"UpdateLicenseConfigurationRequest$LicenseConfigurationStatus": " New status of the license configuration. "
}
},
"LicenseConfigurationUsage": {
"base": " Details about the usage of a resource associated with a license configuration. ",
"refs": {
"LicenseConfigurationUsageList$member": null
}
},
"LicenseConfigurationUsageList": {
"base": null,
"refs": {
"ListUsageForLicenseConfigurationResponse$LicenseConfigurationUsageList": " Information about the license configurations. "
}

},
"LicenseConfigurations": {
"base": null,

"refs": {
"ListLicenseConfigurationsResponse$LicenseConfigurations": " Information about the license configurations. "
}
},
"LicenseConversionContext": {
"base": " Information about a license type conversion task. ",
"refs": {
"CreateLicenseConversionTaskForResourceRequest$SourceLicenseContext": " Information that identifies the license type you are converting from. For the structure of the source license, see Convert a license type using the CLI in the License Manager User Guide. ",
"CreateLicenseConversionTaskForResourceRequest$DestinationLicenseContext": " Information that identifies the license type you are converting to. For the structure of the destination license, see Convert
a license type using the CLI in the License Manager User Guide. ",
"GetLicenseConversionTaskResponse$SourceLicenseContext": " Information about the license type converted from. ",
"GetLicenseConversionTaskResponse$DestinationLicenseContext": " Information about the license type converted to. ",
"LicenseConversionTask$SourceLicenseContext": " Information about the license type this conversion task converted from. ",
"LicenseConversionTask$DestinationLicenseContext": " Information about the license type this conversion task converted to. "
}
},
"LicenseConversionTask": {
"base": " Information about a license type conversion task. ",
"refs": {
"LicenseConversionTasks$member": null
}
},
"LicenseConversionTaskId": {
"base": null,
"refs": {
"CreateLicenseConversionTaskForResourceResponse$LicenseConversionTaskId": " The ID of the created license type conversion task. ",
"GetLicenseConversionTaskRequest$LicenseConversionTaskId": " ID of the license type conversion task to retrieve information on. ",
"GetLicenseConversionTaskResponse$LicenseConversionTaskId": " ID of the license type conversion task. ",
"LicenseConversionTask$LicenseConversionTaskId": " The ID of the license type conversion task. "
}
},
"LicenseConversionTaskStatus": {
"base": null,
"refs": {

"GetLicenseConversionTaskResponse$Status": " Status of the license type conversion task. ",
"LicenseConversionTask$Status": " The status of the conversion task. "
}
},
"LicenseConversionTasks": {
"base": null,
"refs": {
"ListLicenseConversionTasksResponse$LicenseConversionTasks": " Information about the license configuration tasks for your account. "
}
},
"LicenseCountingType":
{
"base": null,
"refs": {
"CreateLicenseConfigurationRequest$LicenseCountingType": " Dimension used to track the license inventory. ",
"GetLicenseConfigurationResponse$LicenseCountingType": " Dimension for which the licenses are counted. ",
"LicenseConfiguration$LicenseCountingType": " Dimension to use to track the license inventory. "
}
},
"LicenseDeletionStatus": {
"base": null,
"refs": {
"DeleteLicenseResponse$Status": " License status. "
}
},
"LicenseList": {
"base": null,
"refs": {
"ListLicenseVersionsResponse$Licenses": " License details. ",
"ListLicensesResponse$Licenses": " License details. "
}
},
"LicenseOperationFailure": {
"base": " Describes the failure of a license operation. ",
"refs": {
"LicenseOperationFailureList$member": null
}
},
"LicenseOperationFailureList": {
"base":
null,
"refs": {
"ListFailuresForLicenseConfigurationOperationsResponse$LicenseOperationFailureList": " License configuration operations that failed. "
}

```
  },
  "LicenseSpecification": {
    "base": "<p>Details for associating a license configuration with a resource.</p>",
    "refs": {
      "LicenseSpecifications$member": null
    }
  },
  "LicenseSpecifications": {
    "base": null,
    "refs": {
      "ListLicenseSpecificationsForResourceResponse$LicenseSpecifications": "<p>License configurations
associated with a resource.</p>",
      "UpdateLicenseSpecificationsForResourceRequest$AddLicenseSpecifications": "<p>ARNs of the license
configurations to add.</p>",
      "UpdateLicenseSpecificationsForResourceRequest$RemoveLicenseSpecifications": "<p>ARNs of the license
configurations to remove.</p>"
    }
  },
  "LicenseStatus": {
    "base": null,
    "refs": {
      "CreateLicenseResponse$Status": "<p>License status.</p>",
      "CreateLicenseVersionRequest$Status": "<p>License status.</p>",
      "CreateLicenseVersionResponse$Status": "<p>License status.</p>",
      "GrantedLicense$Status": "<p>Granted license status.</p>",
      "License$Status": "<p>License status.</p>"
    }
  },
  "LicenseUsage": {
    "base": "<p>Describes the entitlement usage associated with a license.</p>",
    "refs": {
      "GetLicenseUsageResponse$LicenseUsage": "<p>License usage details.</p>"
    }
  },
  "LicenseUsageException": {
    "base": "<p>You do not have enough licenses available to support a new resource launch.</p>",
    "refs": {
    }
  },
  "ListAssociationsForLicenseConfigurationRequest": {
    "base": null,
    "refs": {
    }
  },
  "ListAssociationsForLicenseConfigurationResponse": {
    "base": null,
    "refs": {
    }
```

```
  },
  "ListDistributedGrantsRequest": {
    "base": null,
    "refs": {
    }
  },
  "ListDistributedGrantsResponse":
{
    "base": null,
    "refs": {
    }
  },
  "ListFailuresForLicenseConfigurationOperationsRequest": {
    "base": null,
    "refs": {
    }
  },
  "ListFailuresForLicenseConfigurationOperationsResponse": {
    "base": null,
    "refs": {
    }
  },
  "ListLicenseConfigurationsRequest": {
    "base": null,
    "refs": {
    }
  },
  "ListLicenseConfigurationsResponse": {
    "base": null,
    "refs": {
    }
  },
  "ListLicenseConversionTasksRequest": {
    "base": null,
    "refs": {
    }
  },
  "ListLicenseConversionTasksResponse": {
    "base": null,
    "refs": {
    }
  },
  "ListLicenseManagerReportGeneratorsRequest": {
    "base": null,
    "refs": {
    }
  },
  "ListLicenseManagerReportGeneratorsResponse": {
```

"base": null,
"refs": {
}
},
"ListLicenseSpecificationsForResourceRequest": {
"base": null,
"refs": {
}
},
"ListLicenseSpecificationsForResourceResponse":
{
"base": null,
"refs": {
}
},
"ListLicenseVersionsRequest": {
"base": null,
"refs": {
}
},
"ListLicenseVersionsResponse": {
"base": null,
"refs": {
}
},
"ListLicensesRequest": {
"base": null,
"refs": {
}
},
"ListLicensesResponse": {
"base": null,
"refs": {
}
},
"ListReceivedGrantsForOrganizationRequest": {
"base": null,
"refs": {
}
},
"ListReceivedGrantsForOrganizationResponse": {
"base": null,
"refs": {
}
},
"ListReceivedGrantsRequest": {
"base": null,
"refs": {

```
    }
  },
  "ListReceivedGrantsResponse": {
    "base": null,
    "refs": {
    }
  },
  "ListReceivedLicensesForOrganizationRequest": {
    "base": null,
    "refs": {
    }
  },
  "ListReceivedLicensesForOrganizationResponse": {
    "base": null,
    "refs": {
    }
  },
  "ListReceivedLicensesRequest":
{
    "base": null,
    "refs": {
    }
  },
  "ListReceivedLicensesResponse": {
    "base": null,
    "refs": {
    }
  },
  "ListResourceInventoryRequest": {
    "base": null,
    "refs": {
    }
  },
  "ListResourceInventoryResponse": {
    "base": null,
    "refs": {
    }
  },
  "ListTagsForResourceRequest": {
    "base": null,
    "refs": {
    }
  },
  "ListTagsForResourceResponse": {
    "base": null,
    "refs": {
    }
  },
```

"ListTokensRequest": {
"base": null,
"refs": {
}
},
"ListTokensResponse": {
"base": null,
"refs": {
}
},
"ListUsageForLicenseConfigurationRequest": {
"base": null,
"refs": {
}
},
"ListUsageForLicenseConfigurationResponse": {
"base": null,
"refs": {
}
},
"Location": {
"base": null,
"refs": {
"RedirectException$Location": null
}
},
"Long":
{
"base": null,
"refs": {
"Entitlement$MaxCount": " Maximum entitlement count. Use if the unit is not None. "
}
},
"ManagedResourceSummary": {
"base": " Summary information about a managed resource. ",
"refs": {
"ManagedResourceSummaryList$member": null
}
},
"ManagedResourceSummaryList": {
"base": null,
"refs": {
"GetLicenseConfigurationResponse$ManagedResourceSummaryList": " Summaries of the managed resources. ",
"LicenseConfiguration$ManagedResourceSummaryList": " Summaries for managed resources. "
}
},
"MaxSize100": {

"base": null,
"refs": {
"ListDistributedGrantsRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListLicenseManagerReportGeneratorsRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListLicenseVersionsRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListLicensesRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListReceivedGrantsForOrganizationRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListReceivedGrantsRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListReceivedLicensesForOrganizationRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListReceivedLicensesRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListTokensRequest$MaxResults": " Maximum number of results to return in a single call. "
}
},
"MaxSize3StringList": {
"base": null,
"refs": {
"CreateTokenRequest$TokenProperties": " Data specified by the caller to be included in the JWT token. The data is mapped to the amr claim of the JWT token. ",

"GetAccessTokenRequest$TokenProperties": " Token properties to validate against those present in the JWT token. ",
"TokenData$TokenProperties": " Data specified by the caller. "
}
},
"Message": {
"base": null,
"refs": {
"AccessDeniedException$Message": null,
"AuthorizationException$Message": null,
"ConflictException$Message": null,
"EntitlementNotAllowedException$Message": null,
"FailedDependencyException$Message": null,
"FilterLimitExceededException$Message": null,
"InvalidParameterValueException$Message": null,
"InvalidResourceStateException$Message": null,
"LicenseUsageException$Message": null,
"NoEntitlementsAllowedException$Message": null,
"RateLimitExceededException$Message": null,
"RedirectException$Message": null,
"ResourceLimitExceededException$Message": null,
"ResourceNotFoundException$Message": null,
"ServerInternalException$Message": null,
"UnsupportedDigitalSignatureMethodException$Message": null,

"ValidationException$Message": null
}
},
"Metadata": {
"base": " Describes key/value pairs. ",
"refs": {
"MetadataList$member": null
}
},
"MetadataList": {
"base": null,
"refs": {
"CheckoutBorrowLicenseRequest$CheckoutMetadata": " Information about constraints. ",
"CheckoutBorrowLicenseResponse$CheckoutMetadata": " Information about constraints. ",
"CreateLicenseRequest$LicenseMetadata": " Information about the license. ",
"CreateLicenseVersionRequest$LicenseMetadata": " Information about the license. ",
"GrantedLicense$LicenseMetadata": " Granted license metadata. ",
"License$LicenseMetadata": " License metadata. ",
"LicenseOperationFailure$MetadataList": " Reserved. "
}
},
"NoEntitlementsAllowedException": {

"base": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"refs": {
}
},
"Options": {
"base": " The options you can specify when you create a new version of a grant, such as activation override behavior. For more information, see Granted licenses in License Manager in the License Manager User Guide. ",
"refs": {
"CreateGrantVersionRequest$Options": " The options specified for the grant. ",
"Grant$Options": " The options specified for the grant. "
}
},
"OrganizationConfiguration": {
"base": " Configuration information for Organizations. ",
"refs": {
"GetServiceSettingsResponse$OrganizationConfiguration": " Indicates whether Organizations is integrated with License Manager for cross-account discovery. ",
"UpdateServiceSettingsRequest$OrganizationConfiguration": " Enables integration with Organizations for cross-account discovery. "
}
},
"PrincipalArnList": {
"base": null,

"refs": {
"CreateGrantRequest$Principals": " The grant principals. You can specify one of the following as an Amazon Resource Name (ARN): <ul> An Amazon Web Services account, which includes only the account specified.   An organizational unit (OU), which includes all accounts in the OU.   An organization, which will include all accounts across your organization. "
}
},
"ProductInformation": {
"base": " Describes product information for a license configuration. ",
"refs": {
"ProductInformationList$member": null
}
},
"ProductInformationFilter": {
"base": " Describes product information filters. ",
"refs": {
"ProductInformationFilterList$member":
null
}
},
"ProductInformationFilterList": {
"base": null,
"refs": {
"ProductInformation$ProductInformationFilterList": " A Product information filter consists of a <code>ProductInformationFilterComparator</code> which is a logical operator, a <code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies the value to filter on. Accepted values for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. The following filters and are supported when the resource type is <code>SSM_MANAGED</code>: <ul> <code>Application Name</code> - The name of the application. Logical operator is <code>EQUALS</code>.   <code>Application Publisher</code> - The publisher of the application. Logical operator is <code>EQUALS</code>.   <code>Application Version</code> - The version of the application. Logical operator is <code>EQUALS</code>.   <code>Platform Name</code> - The name of the platform. Logical operator is <code>EQUALS</code>.   <code>Platform Type</code> - The platform type. Logical operator is <code>EQUALS</code>.   <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.   <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>.   <code>License Included</code> - The type of license included. Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>. Possible values are: <code>sql-server-enterprise</code> | <code>sql-server-standard</code> | <code>sql-server-web</code> | <code>windows-server-datacenter</code>.   The following filters and logical operators are supported when the resource type is <code>RDS</code>: <ul> <code>Engine Edition</code> - The edition of the database engine. Logical operator is <code>EQUALS</code>. Possible values

are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>.   <code>License Pack</code> - The license pack. Logical operator is <code>EQUALS</code>. Possible values are: <code>data guard</code> | <code>diagnostic pack sqlt</code> | <code>tuning pack sqlt</code> | <code>ols</code> | <code>olap</code>. "
    }
  },
  "ProductInformationList": {
    "base": null,
    "refs": {
      "CreateLicenseConfigurationRequest$ProductInformationList":
 " Product information. ",
      "GetLicenseConfigurationResponse$ProductInformationList": " Product information. ",
      "LicenseConfiguration$ProductInformationList": " Product information. ",
      "UpdateLicenseConfigurationRequest$ProductInformationList": " New product information. "
    }
  },
  "ProvisionalConfiguration": {
    "base": " Details about a provisional configuration. ",
    "refs": {
      "ConsumptionConfiguration$ProvisionalConfiguration": " Details about a provisional configuration. "
    }
  },
  "RateLimitExceededException": {
    "base": " Too many requests have been submitted. Try again after a brief wait. ",
    "refs": {
    }
  },
  "ReceivedMetadata": {
    "base": " Metadata associated with received licenses and grants. ",
    "refs": {
      "GrantedLicense$ReceivedMetadata": " Granted license received metadata. "
     }
  },
  "ReceivedStatus": {
    "base": null,
    "refs": {
      "ReceivedMetadata$ReceivedStatus": " Received status. "
    }
  },
  "RedirectException": {
    "base": " This is not the correct Region for the resource. Try again. ",
    "refs": {
    }
  },
  "RejectGrantRequest": {
    "base": null,
    "refs": {
    }

},
"RejectGrantResponse": {
"base": null,
"refs": {
}
},
"RenewType": {
"base": null,
"refs": {
"ConsumptionConfiguration$RenewType": " Renewal frequency. "
}
},
"ReportContext": {
"base": " Details of the license configuration that this generator reports on. ",
"refs": {
"CreateLicenseManagerReportGeneratorRequest$ReportContext": " Defines the type of license configuration the report generator tracks. ",
"ReportGenerator$ReportContext": " License configuration type for this generator. ",
"UpdateLicenseManagerReportGeneratorRequest$ReportContext": " The report context. "
}
},
"ReportFrequency": {
"base": " Details about how frequently reports are generated. ",
"refs": {
"CreateLicenseManagerReportGeneratorRequest$ReportFrequency": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"ReportGenerator$ReportFrequency": " Details about how frequently reports are generated. ",
"UpdateLicenseManagerReportGeneratorRequest$ReportFrequency": " Frequency by which reports are generated. "
}
},
"ReportFrequencyType": {
"base": null,
"refs": {
"ReportFrequency$period": " Time period between each report. The period can be daily, weekly, or monthly. "
}
},
"ReportGenerator": {
"base": " Describe the details of a report generator. ",
"refs": {
"GetLicenseManagerReportGeneratorResponse$ReportGenerator": " A report generator that creates periodic reports about your license configurations. ",
"ReportGeneratorList$member": null
}
},
"ReportGeneratorList": {

"base": null,
"refs": {
"ListLicenseManagerReportGeneratorsResponse$ReportGenerators": " A report generator that creates periodic reports about your license configurations. "
}
},
"ReportGeneratorName": {
"base": null,
"refs": {
"CreateLicenseManagerReportGeneratorRequest$ReportGeneratorName": " Name of the report generator. ",
"UpdateLicenseManagerReportGeneratorRequest$ReportGeneratorName": " Name of the report generator. "
}
},
"ReportType": {
"base": null,
"refs": {
"ReportTypeList$member": null
}
},
"ReportTypeList": {
"base": null,
"refs": {
"CreateLicenseManagerReportGeneratorRequest$Type": " Type of reports to generate. The following report types an
be generated: <ul> License configuration report - Reports the number and details of consumed licenses for a license configuration.   Resource report - Reports the tracked licenses and resource consumption for a license configuration. ",
"ReportGenerator$ReportType": " Type of reports that are generated. ",
"UpdateLicenseManagerReportGeneratorRequest$Type": " Type of reports to generate. The following report types are supported: <ul> License configuration report - Reports the number and details of consumed licenses for a license configuration.   Resource report - Reports the tracked licenses and resource consumption for a license configuration. "
}
},
"ResourceInventory": {
"base": " Details about a resource. ",
"refs": {
"ResourceInventoryList$member": null
}
},
"ResourceInventoryList": {
"base": null,
"refs": {
"ListResourceInventoryResponse$ResourceInventoryList": " Information about the resources. "
}
},

"ResourceLimitExceededException": {
"base": " Your resource limits have been exceeded. ",
"refs": {
}
},
"ResourceNotFoundException": {
"base": " The resource cannot be found. ",
"refs": {
}
},
"ResourceType": {
"base": null,
"refs": {
"ConsumedLicenseSummary$ResourceType": " Resource type of the resource consuming a license. ",
"LicenseConfigurationAssociation$ResourceType": " Type of server resource. ",
"LicenseConfigurationUsage$ResourceType": " Type of resource. ",
"LicenseOperationFailure$ResourceType": " Resource type. ",
"ManagedResourceSummary$ResourceType": " Type of resource associated with a license. ",
"ResourceInventory$ResourceType": " Type of resource. "
}
},
"S3Location": {
"base":
" Details of the S3 bucket that report generator reports are published to. ",
"refs": {
"ReportGenerator$S3Location": " Details of the S3 bucket that report generator reports are published
to. "
}
},
"ServerInternalException": {
"base": " The server experienced an internal error. Try again. ",
"refs": {
}
},
"SignedToken": {
"base": null,
"refs": {
"CheckoutBorrowLicenseResponse$SignedToken": " Signed token. ",
"CheckoutLicenseResponse$SignedToken": " Signed token. "
}
},
"StatusReasonMessage": {
"base": null,
"refs": {
"CreateGrantVersionRequest$StatusReason": " Grant status reason. ",
"DeleteGrantRequest$StatusReason": " The Status reason for the delete request. ",
"Grant$StatusReason": " Grant status reason. ",
"ReceivedMetadata$ReceivedStatusReason": " Received status reason. "

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    }
  },

 "String": {
    "base": null,
    "refs": {
      "AcceptGrantResponse$Version": "<p>Grant version.</p>",
      "CheckInLicenseRequest$LicenseConsumptionToken": "<p>License consumption token.</p>",
      "CheckInLicenseRequest$Beneficiary": "<p>License beneficiary.</p>",
      "CheckoutBorrowLicenseRequest$NodeId": "<p>Node ID.</p>",
      "CheckoutBorrowLicenseResponse$LicenseConsumptionToken": "<p>License consumption token.</p>",
      "CheckoutBorrowLicenseResponse$NodeId": "<p>Node ID.</p>",
      "CheckoutLicenseRequest$ProductSKU": "<p>Product SKU.</p>",
      "CheckoutLicenseRequest$KeyFingerprint": "<p>Key fingerprint identifying the license.</p>",
      "CheckoutLicenseRequest$Beneficiary": "<p>License beneficiary.</p>",
      "CheckoutLicenseRequest$NodeId": "<p>Node ID.</p>",
      "CheckoutLicenseResponse$LicenseConsumptionToken": "<p>License consumption token.</p>",
      "CheckoutLicenseResponse$NodeId": "<p>Node ID.</p>",
      "CheckoutLicenseResponse$LicenseArn":
 "<p>Amazon Resource Name (ARN) of the checkout license.</p>",
      "CreateGrantRequest$GrantName": "<p>Grant name.</p>",
      "CreateGrantRequest$HomeRegion": "<p>Home Region of the grant.</p>",
      "CreateGrantResponse$Version": "<p>Grant version.</p>",
      "CreateGrantVersionRequest$GrantName": "<p>Grant name.</p>",
      "CreateGrantVersionRequest$SourceVersion": "<p>Current version of the grant.</p>",
      "CreateGrantVersionResponse$Version": "<p>New version of the grant.</p>",
      "CreateLicenseConfigurationRequest$Name": "<p>Name of the license configuration.</p>",
      "CreateLicenseConfigurationRequest$Description": "<p>Description of the license configuration.</p>",
      "CreateLicenseConfigurationResponse$LicenseConfigurationArn": "<p>Amazon Resource Name (ARN) of the
license configuration.</p>",
      "CreateLicenseManagerReportGeneratorRequest$Description": "<p>Description of the report generator.</p>",
      "CreateLicenseManagerReportGeneratorResponse$LicenseManagerReportGeneratorArn":
 "<p>The Amazon Resource Name (ARN) of the new report generator.</p>",
      "CreateLicenseRequest$LicenseName": "<p>License name.</p>",
      "CreateLicenseRequest$ProductName": "<p>Product name.</p>",
      "CreateLicenseRequest$ProductSKU": "<p>Product SKU.</p>",
      "CreateLicenseRequest$HomeRegion": "<p>Home Region for the license.</p>",
      "CreateLicenseRequest$Beneficiary": "<p>License beneficiary.</p>",
      "CreateLicenseResponse$Version": "<p>License version.</p>",
      "CreateLicenseVersionRequest$LicenseName": "<p>License name.</p>",
      "CreateLicenseVersionRequest$ProductName": "<p>Product name.</p>",
      "CreateLicenseVersionRequest$HomeRegion": "<p>Home Region of the license.</p>",
      "CreateLicenseVersionRequest$SourceVersion": "<p>Current version of the license.</p>",
      "CreateLicenseVersionResponse$Version": "<p>New version of the license.</p>",
      "CreateTokenResponse$TokenId":
 "<p>Token ID.</p>",
      "DeleteGrantRequest$Version": "<p>Current version of the grant.</p>",
      "DeleteGrantResponse$Version": "<p>Grant version.</p>",
```

"DeleteLicenseConfigurationRequest$LicenseConfigurationArn": " ID of the license configuration. ",
"DeleteLicenseManagerReportGeneratorRequest$LicenseManagerReportGeneratorArn": " Amazon Resource Name (ARN) of the report generator to be deleted. ",
"DeleteLicenseRequest$SourceVersion": " Current version of the license. ",
"DeleteTokenRequest$TokenId": " Token ID. ",
"Entitlement$Name": " Entitlement name. ",
"Entitlement$Value": " Entitlement resource. Use only if the unit is None. ",
"EntitlementData$Name": " Entitlement data name. ",
"EntitlementData$Value": " Entitlement data value. ",
"EntitlementUsage$Name": " Entitlement usage name. ",
"EntitlementUsage$ConsumedValue": " Resource usage consumed. ",
"EntitlementUsage$MaxCount": " Maximum entitlement usage count. ",
"ExtendLicenseConsumptionRequest$LicenseConsumptionToken": " License consumption token. ",
"ExtendLicenseConsumptionResponse$LicenseConsumptionToken": " License consumption token. ",
"FailedDependencyException$ErrorCode": null,
"GetGrantRequest$Version": " Grant version. ",
"GetLicenseConfigurationRequest$LicenseConfigurationArn": " Amazon Resource Name (ARN) of the license configuration. ",
"GetLicenseConfigurationResponse$LicenseConfigurationId": " Unique ID for the license configuration. ",
"GetLicenseConfigurationResponse$LicenseConfigurationArn": " Amazon Resource Name (ARN) of the license configuration. ",
"GetLicenseConfigurationResponse$Name": " Name of the license configuration. ",
"GetLicenseConfigurationResponse$Description": " Description of the license configuration. ",
"GetLicenseConfigurationResponse$Status": " License configuration status. ",
"GetLicenseConfigurationResponse$OwnerAccountId": " Account ID of the owner of the license configuration. ",
"GetLicenseConversionTaskResponse$ResourceArn": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. ",
"GetLicenseConversionTaskResponse$StatusMessage": " The status message for the conversion task. ",
"GetLicenseManagerReportGeneratorRequest$LicenseManagerReportGeneratorArn": " Amazon Resource Name (ARN) of the report generator. ",
"GetLicenseRequest$Version": " License version. ",
"GetServiceSettingsResponse$S3BucketArn": " Regional S3 bucket path for storing reports, license trail event data, discovery data, and so on. ",
"GetServiceSettingsResponse$SnsTopicArn": " SNS topic configured to receive notifications from License Manager. ",
"GetServiceSettingsResponse$LicenseManagerResourceShareArn": " Amazon Resource Name (ARN) of the resource share. The License Manager management account provides member accounts with access to this share. ",
"Grant$GrantName": " Grant name. ",
"Grant$HomeRegion": " Home Region of the grant. ",
"Grant$Version": " Grant version. ",
"GrantedLicense$LicenseName": " License name. ",
"GrantedLicense$ProductName": " Product name. ",
"GrantedLicense$ProductSKU": " Product SKU. ",

"GrantedLicense$HomeRegion": " Home Region of the granted license. ",
"GrantedLicense$Beneficiary": " Granted license beneficiary. ",
"GrantedLicense$Version": " Version of the granted license. ",
"InventoryFilter$Name": " Name of the filter. ",
"InventoryFilter$Value": " Value of the filter. ",
"Issuer$Name": " Issuer name. ",
"Issuer$SignKey":
" Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, and support the RSASSA-PSS SHA-256 signing algorithm. ",
"IssuerDetails$Name": " Issuer name. ",
"IssuerDetails$SignKey": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, and support the RSASSA-PSS SHA-256 signing algorithm. ",
"IssuerDetails$KeyFingerprint": " Issuer key fingerprint. ",
"License$LicenseName": " License name. ",
"License$ProductName": " Product name. ",
"License$ProductSKU": " Product SKU. ",
"License$HomeRegion": " Home Region of the license. ",
"License$Beneficiary": " License beneficiary. ",
"License$Version": " License version. ",
"LicenseConfiguration$LicenseConfigurationId": " Unique ID of the license configuration. ",
"LicenseConfiguration$LicenseConfigurationArn":
" Amazon Resource Name (ARN) of the license configuration. ",
"LicenseConfiguration$Name": " Name of the license configuration. ",
"LicenseConfiguration$Description": " Description of the license configuration. ",
"LicenseConfiguration$Status": " Status of the license configuration. ",
"LicenseConfiguration$OwnerAccountId": " Account ID of the license configuration's owner. ",
"LicenseConfigurationAssociation$ResourceArn": " Amazon Resource Name (ARN) of the resource. ",
"LicenseConfigurationAssociation$ResourceOwnerId": " ID of the Amazon Web Services account that owns the resource consuming licenses. ",
"LicenseConfigurationAssociation$AmiAssociationScope": " Scope of AMI associations. The possible value is <code>cross-account</code>. ",
"LicenseConfigurationUsage$ResourceArn": " Amazon Resource Name (ARN) of the resource. ",
"LicenseConfigurationUsage$ResourceStatus":
" Status of the resource. ",
"LicenseConfigurationUsage$ResourceOwnerId": " ID of the account that owns the resource. ",
"LicenseConversionTask$ResourceArn": " The Amazon Resource Name (ARN) of the resource associated with the license type conversion task. ",
"LicenseConversionTask$StatusMessage": " The status message for the conversion task. ",
"LicenseOperationFailure$ResourceArn": " Amazon Resource Name (ARN) of the resource. ",
"LicenseOperationFailure$ErrorMessage": " Error message. ",
"LicenseOperationFailure$OperationName": " Name of the operation. ",
"LicenseOperationFailure$ResourceOwnerId": " ID of the Amazon Web Services account that owns the resource. ",
"LicenseOperationFailure$OperationRequestedBy": " The requester is \"License Manager Automated Discovery\". ",
"LicenseSpecification$LicenseConfigurationArn": " Amazon Resource Name (ARN) of the license configuration. ",

"LicenseSpecification$AmiAssociationScope": " Scope of AMI associations. The possible value is <code>cross-account</code>. ",
"ListAssociationsForLicenseConfigurationRequest$LicenseConfigurationArn": " Amazon Resource Name (ARN) of a license configuration. ",
"ListAssociationsForLicenseConfigurationRequest$NextToken": " Token for the next set of results. ",
"ListAssociationsForLicenseConfigurationResponse$NextToken": " Token for the next set of results. ",
"ListDistributedGrantsRequest$NextToken": " Token for the next set of results. ",
"ListDistributedGrantsResponse$NextToken": " Token for the next set of results. ",
"ListFailuresForLicenseConfigurationOperationsRequest$LicenseConfigurationArn": " Amazon Resource Name of the license configuration. ",
"ListFailuresForLicenseConfigurationOperationsRequest$NextToken": " Token for the next set of results. ",

"ListFailuresForLicenseConfigurationOperationsResponse$NextToken": " Token for the next set of results. ",
"ListLicenseConfigurationsRequest$NextToken": " Token for the next set of results. ",
"ListLicenseConfigurationsResponse$NextToken": " Token for the next set of results. ",
"ListLicenseConversionTasksRequest$NextToken": " Token for the next set of results. ",
"ListLicenseConversionTasksResponse$NextToken": " Token for the next set of results. ",
"ListLicenseManagerReportGeneratorsRequest$NextToken": " Token for the next set of results. ",
"ListLicenseManagerReportGeneratorsResponse$NextToken": " Token for the next set of results. ",
"ListLicenseSpecificationsForResourceRequest$ResourceArn": " Amazon Resource Name (ARN) of a resource that has an associated license configuration. ",
"ListLicenseSpecificationsForResourceRequest$NextToken": " Token for the next set of results. ",
"ListLicenseSpecificationsForResourceResponse$NextToken": " Token for the next set of results. ",
"ListLicenseVersionsRequest$NextToken": " Token for the next set of results. ",
"ListLicenseVersionsResponse$NextToken": " Token for the next set of results. ",
"ListLicensesRequest$NextToken": " Token for the next set of results. ",
"ListLicensesResponse$NextToken": " Token for the next set of results. ",
"ListReceivedGrantsForOrganizationRequest$NextToken": " Token for the next set of results. ",
"ListReceivedGrantsForOrganizationResponse$NextToken": " Token for the next set of results. ",
"ListReceivedGrantsRequest$NextToken": " Token for the next set of results. ",
"ListReceivedGrantsResponse$NextToken": " Token for the next set of results. ",
"ListReceivedLicensesForOrganizationRequest$NextToken": " Token for the next set of results. ",
"ListReceivedLicensesForOrganizationResponse$NextToken": " Token for the next set of results. ",
"ListReceivedLicensesRequest$NextToken": " Token for the next set of results. ",
"ListReceivedLicensesResponse$NextToken": " Token for the next set of results. ",
"ListResourceInventoryRequest$NextToken": " Token for the next set of results. ",
"ListResourceInventoryResponse$NextToken": " Token for the next set of results. ",
"ListTagsForResourceRequest$ResourceArn": " Amazon Resource Name (ARN) of the license configuration. ",
"ListTokensRequest$NextToken": " Token for the next set of results. ",
"ListTokensResponse$NextToken": " Token for the next set of results. ",
"ListUsageForLicenseConfigurationRequest$LicenseConfigurationArn": " Amazon Resource Name (ARN) of the license configuration. ",
"ListUsageForLicenseConfigurationRequest$NextToken": " Token for the next set of results. ",

"ListUsageForLicenseConfigurationResponse$NextToken": " Token for the next set of results. ",
"MaxSize3StringList$member": null,
"Metadata$Name": " The key name. ",
"Metadata$Value": " The value. ",
"ProductInformation$ResourceType": " Resource type. The possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"ProductInformationFilter$ProductInformationFilterName": " Filter name. ",
"ProductInformationFilter$ProductInformationFilterComparator": " Logical operator. ",
"RejectGrantResponse$Version": " Grant version. ",
"ReportGenerator$ReportGeneratorName": " Name of the report generator. ",
"ReportGenerator$LicenseManagerReportGeneratorArn": " Amazon Resource Name (ARN) of the report generator. ",
"ReportGenerator$LastRunStatus": " Status of the last report generation attempt. ",
"ReportGenerator$LastRunFailureReason": " Failure message for the last report generation attempt. ",
"ReportGenerator$LastReportGenerationTime": " Time the last report was generated at. ",
"ReportGenerator$ReportCreatorAccount": " The Amazon Web Services account ID used to create the report generator. ",
"ReportGenerator$Description": " Description of the report generator. ",
"ReportGenerator$CreateTime": " Time the report was created. ",
"ResourceInventory$ResourceId": " ID of the resource. ",
"ResourceInventory$ResourceArn": " Amazon Resource Name (ARN) of the resource. ",
"ResourceInventory$Platform": " Platform of the resource. ",
"ResourceInventory$PlatformVersion": " Platform version of the resource in the inventory. ",
"ResourceInventory$ResourceOwningAccountId": " ID of the account that owns the resource. ",
"S3Location$bucket": " Name of the S3 bucket reports are published to. ",

"S3Location$keyPrefix": " Prefix of the S3 bucket reports are published to. ",
"StringList$member": null,
"Tag$Key": " Tag key. ",
"Tag$Value": " Tag value. ",
"TagKeyList$member": null,
"TagResourceRequest$ResourceArn": " Amazon Resource Name (ARN) of the license configuration. ",
"TokenData$TokenId": " Token ID. ",
"TokenData$TokenType": " Type of token generated. The supported value is <code>REFRESH_TOKEN</code>. ",
"TokenData$LicenseArn": " Amazon Resource Name (ARN) of the license. ",
"TokenData$Status": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. ",
"UntagResourceRequest$ResourceArn": " Amazon Resource Name (ARN) of the license configuration. ",
"UpdateLicenseConfigurationRequest$LicenseConfigurationArn": " Amazon Resource Name (ARN) of the license configuration. ",
"UpdateLicenseConfigurationRequest$Name": " New name of the license configuration. ",
"UpdateLicenseConfigurationRequest$Description": " New description of the license configuration. ",
"UpdateLicenseManagerReportGeneratorRequest$LicenseManagerReportGeneratorArn": " Amazon Resource Name (ARN) of the report generator to update. ",

"UpdateLicenseManagerReportGeneratorRequest$Description": " Description of the report generator. ",
"UpdateLicenseSpecificationsForResourceRequest$ResourceArn": " Amazon Resource Name (ARN) of the Amazon Web Services resource. ",
"UpdateServiceSettingsRequest$S3BucketArn": " Amazon Resource Name (ARN) of the Amazon S3 bucket where the License Manager information is stored. ",
"UpdateServiceSettingsRequest$SnsTopicArn": " Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts. "
}
},
"StringList": {
"base": null,
"refs": {
"CreateLicenseConfigurationRequest$LicenseRules":
" License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules vary by dimension, as follows.   <code>Cores</code> dimension: <code>allowedTenancy</code> | <code>licenseAffinityToHost</code> | <code>maximumCores</code> | <code>minimumCores</code>   <code>Instances</code> dimension: <code>allowedTenancy</code> | <code>maximumCores</code> | <code>minimumCores</code> | <code>maximumSockets</code> | <code>minimumSockets</code> | <code>maximumVcpus</code> | <code>minimumVcpus</code>   <code>Sockets</code> dimension: <code>allowedTenancy</code> | <code>licenseAffinityToHost</code> | <code>maximumSockets</code> | <code>minimumSockets</code>   <code>vCPUs</code> dimension: <code>allowedTenancy</code> | <code>honorVcpuOptimization</code> | <code>maximumVcpus</code> | <code>minimumVcpus</code>   The unit for <code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible values for <code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and <code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are <code>True</code> and <code>False</code>. ",
"GetLicenseConfigurationResponse$LicenseRules": " License rules. ",
"LicenseConfiguration$LicenseRules": " License rules. ",
"ListLicenseConfigurationsRequest$LicenseConfigurationArns": " Amazon Resource Names (ARN) of the license configurations. ",
"ListTokensRequest$TokenIds": " Token IDs. ",
"ProductInformationFilter$ProductInformationFilterValue": " Filter value. ",
"UpdateLicenseConfigurationRequest$LicenseRules": " New license rule. The only rule that you can add after you create a license configuration is licenseAffinityToHost. "
}
},
"Tag": {
"base": " Details about a tag for a license configuration. ",
"refs": {
"TagList$member": null
}
},
"TagKeyList": {
"base": null,
"refs": {
"UntagResourceRequest$TagKeys": " Keys identifying the tags to remove. "

```
  }
},
"TagList": {
  "base": null,
  "refs": {
    "CreateLicenseConfigurationRequest$Tags": "<p>Tags to add to the license configuration.</p>",
    "CreateLicenseManagerReportGeneratorRequest$Tags": "<p>Tags to add to the report generator.</p>",
    "GetLicenseConfigurationResponse$Tags": "<p>Tags for the license configuration.</p>",
    "ListTagsForResourceResponse$Tags": "<p>Information about the tags.</p>",
    "ReportGenerator$Tags": "<p>Tags associated with the report generator.</p>",
    "TagResourceRequest$Tags": "<p>One or more tags.</p>"
  }
},
"TagResourceRequest": {
  "base": null,
  "refs": {
  }
},
"TagResourceResponse": {
  "base": null,
  "refs": {

  }
},
"TokenData": {
  "base": "<p>Describes a token.</p>",
  "refs": {
    "TokenList$member": null
  }
},
"TokenList": {
  "base": null,
  "refs": {
    "ListTokensResponse$Tokens": "<p>Received token details.</p>"
  }
},
"TokenString": {
  "base": null,
  "refs": {
    "CreateTokenResponse$Token": "<p>Refresh token, encoded as a JWT token.</p>",
    "GetAccessTokenRequest$Token": "<p>Refresh token, encoded as a JWT token.</p>",
    "GetAccessTokenResponse$AccessToken": "<p>Temporary access token.</p>"
  }
},
"TokenType": {
  "base": null,
  "refs": {
    "CreateTokenResponse$TokenType": "<p>Token type.</p>"
```

```
    }
  },
  "UnsupportedDigitalSignatureMethodException": {
    "base": "<p>The digital signature method is unsupported. Try your request again.</p>",
    "refs": {
    }
  },
  "UntagResourceRequest": {
    "base": null,
    "refs": {
    }
  },
  "UntagResourceResponse":
{
    "base": null,
    "refs": {
    }
  },
  "UpdateLicenseConfigurationRequest": {
    "base": null,
    "refs": {
    }
  },
  "UpdateLicenseConfigurationResponse": {
    "base": null,
    "refs": {
    }
  },
  "UpdateLicenseManagerReportGeneratorRequest": {
    "base": null,
    "refs": {
    }
  },
  "UpdateLicenseManagerReportGeneratorResponse": {
    "base": null,
    "refs": {
    }
  },
  "UpdateLicenseSpecificationsForResourceRequest": {
    "base": null,
    "refs": {
    }
  },
  "UpdateLicenseSpecificationsForResourceResponse": {
    "base": null,
    "refs": {
    }
  },
```

"UpdateServiceSettingsRequest": {
"base": null,
"refs": {
}
},
"UpdateServiceSettingsResponse": {
"base": null,
"refs": {
}
},
"UsageOperation": {
"base": null,
"refs": {
"LicenseConversionContext$UsageOperation": " The Usage operation value
that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform "
}
},
"ValidationException": {
"base": " The provided input is not valid. Try your request again. ",
"refs": {
}
}
}
}
{
"testCases": [
{
"documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.af-south-1.amazonaws.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Region": "af-south-1"
}
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"documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-east-1.amazonaws.com"
}

```
      },
      "params": {
        "UseFIPS": false,
        "UseDualStack": false,
        "Region": "ap-east-1"
      }
    },
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      "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",

"expect": {
        "endpoint": {
          "url": "https://license-manager.ap-northeast-1.amazonaws.com"
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      "params": {
        "UseFIPS": false,
        "UseDualStack": false,
        "Region": "ap-northeast-1"
      }
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    {
      "documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.ap-northeast-2.amazonaws.com"
        }
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      "params": {
        "UseFIPS": false,
        "UseDualStack": false,
        "Region": "ap-northeast-2"
      }
    },
    {
      "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.ap-northeast-3.amazonaws.com"
         }
      },
      "params": {
        "UseFIPS": false,
        "UseDualStack": false,
        "Region": "ap-northeast-3"
      }
    },
    {
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"documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-south-1.amazonaws.com"
}
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"params": {
"UseFIPS": false,
"UseDualStack": false,
"Region": "ap-south-1"
}
},
{
"documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-1.amazonaws.com"
}
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"params": {
"UseFIPS": false,
"UseDualStack":
false,
"Region": "ap-southeast-1"
}
},
{
"documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-2.amazonaws.com"
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"params": {
"UseFIPS": false,
"UseDualStack": false,
"Region": "ap-southeast-2"
}
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{
"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-3.amazonaws.com"
}
},
"params": {
"UseFIPS": false,

"UseDualStack": false,
"Region": "ap-southeast-3"
}
},
{
"documentation":
"For region ca-central-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ca-central-1.amazonaws.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Region": "ca-central-1"
}
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{
"documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-central-1.amazonaws.com"
}
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"params": {
"UseFIPS": false,
"UseDualStack": false,
"Region": "eu-central-1"
}
},
{
"documentation": "For region eu-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint":
{
"url": "https://license-manager.eu-north-1.amazonaws.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Region": "eu-north-1"
}
},
{
"documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
"expect": {

"endpoint": {
"url": "https://license-manager.eu-south-1.amazonaws.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Region": "eu-south-1"
}
},
{
"documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-west-1.amazonaws.com"
}
},
"params":
{
"UseFIPS": false,
"UseDualStack": false,
"Region": "eu-west-1"
}
},
{
"documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-west-2.amazonaws.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Region": "eu-west-2"
}
},
{
"documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-west-3.amazonaws.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Region": "eu-west-3"

```
        }

    },
    {
        "documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.me-south-1.amazonaws.com"
            }
        },
        "params": {
            "UseFIPS": false,
            "UseDualStack": false,
            "Region": "me-south-1"
        }
    },
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        "documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.sa-east-1.amazonaws.com"
            }
        },
        "params": {
            "UseFIPS": false,
            "UseDualStack": false,
            "Region": "sa-east-1"
        }
    },
    {
        "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
        "expect": {

        "endpoint": {
                "url": "https://license-manager.us-east-1.amazonaws.com"
            }
        },
        "params": {
            "UseFIPS": false,
            "UseDualStack": false,
            "Region": "us-east-1"
        }
    },
    {
        "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.us-east-1.amazonaws.com"
```

```
        }
    },
    "params": {
        "UseFIPS": true,
        "UseDualStack": false,
        "Region": "us-east-1"
    }
},
{
    "documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager.us-east-2.amazonaws.com"
        }
    },

 "params": {
        "UseFIPS": false,
        "UseDualStack": false,
        "Region": "us-east-2"
    }
},
{
    "documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager-fips.us-east-2.amazonaws.com"
        }
    },
    "params": {
        "UseFIPS": true,
        "UseDualStack": false,
        "Region": "us-east-2"
    }
},
{
    "documentation": "For region us-west-1 with FIPS disabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager.us-west-1.amazonaws.com"
        }
    },
    "params": {
        "UseFIPS": false,
        "UseDualStack": false,
        "Region": "us-west-1"
```

```
  }
    },
    {
      "documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-fips.us-west-1.amazonaws.com"
        }
      },
      "params": {
        "UseFIPS": true,
        "UseDualStack": false,
        "Region": "us-west-1"
      }
    },
    {
      "documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.us-west-2.amazonaws.com"
        }
      },
      "params": {
        "UseFIPS": false,
        "UseDualStack": false,
        "Region": "us-west-2"
      }
    },
    {
      "documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",
      "expect":
{
        "endpoint": {
          "url": "https://license-manager-fips.us-west-2.amazonaws.com"
        }
      },
      "params": {
        "UseFIPS": true,
        "UseDualStack": false,
        "Region": "us-west-2"
      }
    },
    {
      "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-fips.us-east-1.api.aws"
        }
```

```
    },
    "params": {
        "UseFIPS": true,
        "UseDualStack": true,
        "Region": "us-east-1"
    }
},
{
    "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager.us-east-1.api.aws"
        }
    },

 "params": {
        "UseFIPS": false,
        "UseDualStack": true,
        "Region": "us-east-1"
    }
},
{
    "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager.cn-north-1.amazonaws.com.cn"
        }
    },
    "params": {
        "UseFIPS": false,
        "UseDualStack": false,
        "Region": "cn-north-1"
    }
},
{
    "documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
        }
    },
    "params": {
        "UseFIPS": false,
        "UseDualStack": false,
        "Region": "cn-northwest-1"
     }
},
{
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"UseFIPS": true,
"UseDualStack": true,
"Region": "cn-north-1"
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"UseFIPS": true,
"UseDualStack": false,
"Region": "cn-north-1"
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled
and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": true,
"Region": "cn-north-1"
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-east-1.amazonaws.com"
}
},
"params": {
"UseFIPS": false,

"UseDualStack": false,
"Region": "us-gov-east-1"
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
}
},
"params": {
"UseFIPS": true,
"UseDualStack": false,
"Region": "us-gov-east-1"
}
},
{
"documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-west-1.amazonaws.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Region": "us-gov-west-1"
}
},
{
"documentation": "For region us-gov-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
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"params": {

"UseFIPS": true,
"UseDualStack": false,
"Region": "us-gov-west-1"
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {

```
            "url": "https://license-manager-fips.us-gov-east-1.api.aws"
          }
        },
        "params": {
          "UseFIPS": true,
          "UseDualStack": true,
          "Region": "us-gov-east-1"
        }
      },
      {
        "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.us-gov-east-1.api.aws"
          }
        },
        "params": {
          "UseFIPS": false,
          "UseDualStack": true,
          "Region": "us-gov-east-1"
        }

    },
      {
        "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
          }
        },
        "params": {
          "UseFIPS": false,
          "UseDualStack": false,
          "Region": "us-iso-east-1"
        }
      },
      {
        "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
          "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
        },
        "params": {
          "UseFIPS": true,
          "UseDualStack": true,
          "Region": "us-iso-east-1"
        }
      },
      {
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {

"endpoint": {
"url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"UseFIPS": true,
"UseDualStack": false,
"Region": "us-iso-east-1"
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"UseFIPS": false,
"UseDualStack": true,
"Region": "us-iso-east-1"
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
}
},
"params":
{
"UseFIPS": false,
"UseDualStack": false,
"Region": "us-isob-east-1"
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"UseFIPS": true,
"UseDualStack": true,
"Region": "us-isob-east-1"
}

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},
{
  "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
  "expect": {
    "endpoint": {
      "url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
    }
  },
  "params": {
    "UseFIPS": true,
    "UseDualStack": false,
    "Region": "us-isob-east-1"
  }
},
{
  "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
  "expect": {
    "error": "DualStack is enabled but this partition does not support DualStack"
  },
  "params": {
    "UseFIPS": false,
    "UseDualStack": true,
    "Region": "us-isob-east-1"
  }
},
{
  "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
  "expect": {
    "endpoint": {
      "url": "https://example.com"
    }
  },
  "params": {
    "UseFIPS": false,
    "UseDualStack": false,
    "Region": "us-east-1",
    "Endpoint": "https://example.com"
  }
},
{
  "documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
  "expect": {
    "endpoint": {
      "url": "https://example.com"
    }
  },
  "params": {
    "UseFIPS": false,
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```
            "UseDualStack": false,
            "Endpoint": "https://example.com"
          }
        },
        {
          "documentation": "For custom endpoint with fips enabled and dualstack disabled",
          "expect": {
            "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
          },
          "params": {
            "UseFIPS": true,
            "UseDualStack": false,
            "Region": "us-east-1",
            "Endpoint": "https://example.com"
          }
        },
        {
          "documentation": "For custom endpoint with fips disabled and dualstack enabled",
          "expect": {
            "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
          },
           "params": {
            "UseFIPS": false,
            "UseDualStack": true,
            "Region": "us-east-1",
            "Endpoint": "https://example.com"
          }
        },
        {
          "documentation": "Missing region",
          "expect": {
            "error": "Invalid Configuration: Missing Region"
          }
        }
    ],
    "version": "1.0"
  }
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        "builtIn": "AWS::Region",
        "required": false,
        "documentation": "The AWS region used to dispatch the request.",
        "type": "String"
      },
      "UseDualStack": {
        "builtIn": "AWS::UseDualStack",
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"required": true,
"default": false,
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"type": "Boolean"
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"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
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"argv": [
{
"ref": "Endpoint"
}
]
}
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"fn": "booleanEquals",
"argv": [
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"ref": "UseFIPS"
},
true
]
}
],
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        {
            "conditions": [],
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                            "fn": "booleanEquals",
                            "argv": [
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                                    "ref": "UseDualStack"
                                },
                                true
                            ]
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                    ],
                    "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                    "type": "error"
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                {
                    "conditions": [],
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                        "url": {

                        "ref": "Endpoint"
                        },
                        "properties": {},
                        "headers": {}
                    },
                    "type": "endpoint"
                }
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            "type": "tree"
        }
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    "type": "tree"
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    "conditions": [],
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        {
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                    "argv": [
                        {
                            "ref": "Region"
```

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                }
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        }
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                    "assign": "PartitionResult"
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                    "conditions": [
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                                    "ref": "UseFIPS"
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"ref": "PartitionResult"
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"supportsFIPS"
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}
]
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{
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"fn": "getAttr",
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"ref": "PartitionResult"
},
"supportsDualStack"
]
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}
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"rules": [
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"conditions": [],
"rules": [
{

"conditions": [],
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"properties": {},
"headers": {}
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"type": "tree"
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"type": "tree"
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"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
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],
"type": "tree"
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{
"conditions": [
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"argv": [
{
"ref": "UseFIPS"
},
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"argv": [
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"argv": [
{
"ref": "PartitionResult"
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"supportsFIPS"
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]
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],
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"conditions": [],

"rules": [
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"conditions": [],
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"properties": {},
"headers": {}

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"type": "endpoint"
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"type": "tree"
},
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"conditions": [
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"ref": "UseDualStack"
},
true
]
}
],
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"conditions": [
{
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"argv": [
true,

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                                "argv": [
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                                        "ref": "PartitionResult"
                                    },
                                    "supportsDualStack"
                                ]
                            }
                        ]
                    }
                ],
                "rules": [
                    {
                        "conditions": [],
                        "rules": [

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                                "conditions": [],
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                                    "properties": {},
                                    "headers": {}
                                },
                                "type": "endpoint"
                            }
                        ],
                        "type": "tree"
                    }
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                    "type": "error"
                }
            ],
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        },
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            "conditions": [],
            "rules": [
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                    "conditions": [],
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"url": "https://license-manager-linux-subscriptions.{Region}.{PartitionResult#dnsSuffix}",
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"headers": {}
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},
{
"conditions": [],
"error": "Invalid Configuration: Missing Region",
"type": "error"
}
],
"type": "tree"
}
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"pagination": {
"ListLinuxSubscriptionInstances": {
"input_token": "NextToken",
"output_token": "NextToken",
"limit_key": "MaxResults",
"result_key": "Instances"
},
"ListLinuxSubscriptions": {
"input_token": "NextToken",
"output_token": "NextToken",
"limit_key": "MaxResults",
"result_key": "Subscriptions"
},
"ListRegisteredSubscriptionProviders": {
"input_token": "NextToken",
"output_token": "NextToken",
"limit_key": "MaxResults",
"result_key": "RegisteredSubscriptionProviders"
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}
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 "examples": {
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   "output_token": "NextToken",
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   "result_key": "IdentityProviderSummaries"
  },
  "ListInstances": {
   "input_token": "NextToken",
   "output_token": "NextToken",
   "limit_key": "MaxResults",
   "result_key": "InstanceSummaries"
  },
  "ListProductSubscriptions": {
   "input_token": "NextToken",
   "output_token": "NextToken",
   "limit_key": "MaxResults",
   "result_key": "ProductUserSummaries"
  },
  "ListUserAssociations": {
   "input_token": "NextToken",
   "output_token": "NextToken",
   "limit_key": "MaxResults",
   "result_key": "InstanceUserSummaries"
  }
 }
}
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{
 "version":"2.0",
 "metadata":{
   "apiVersion":"2018-05-10",
   "endpointPrefix":"license-manager-user-subscriptions",
   "jsonVersion":"1.1",
   "protocol":"rest-json",
   "serviceFullName":"AWS License Manager User Subscriptions",
   "serviceId":"License Manager User Subscriptions",
   "signatureVersion":"v4",
   "signingName":"license-manager-user-subscriptions",
   "uid":"license-manager-user-subscriptions-2018-05-10"
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 "operations":{
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     "name":"AssociateUser",
     "http":{
       "method":"POST",
       "requestUri":"/user/AssociateUser",
       "responseCode":200
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     "input":{"shape":"AssociateUserRequest"},
     "output":{"shape":"AssociateUserResponse"},
     "errors":[
       {"shape":"ServiceQuotaExceededException"},
       {"shape":"ConflictException"},
       {"shape":"ValidationException"},
       {"shape":"ThrottlingException"},
       {"shape":"InternalServerException"},
       {"shape":"ResourceNotFoundException"},
        {"shape":"AccessDeniedException"}
     ],
     "idempotent":true
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"DeregisterIdentityProvider":{
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    "requestUri":"/identity-provider/DeregisterIdentityProvider",
    "responseCode":200
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  "input":{"shape":"DeregisterIdentityProviderRequest"},
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  "errors":[
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    {"shape":"ValidationException"},
    {"shape":"ThrottlingException"},
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
    {"shape":"AccessDeniedException"}
  ],
  "idempotent":true
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"DisassociateUser":{
  "name":"DisassociateUser",
  "http":{
    "method":"POST",
    "requestUri":"/user/DisassociateUser",
    "responseCode":200
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  "errors":[
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    {"shape":"ConflictException"},
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    {"shape":"ResourceNotFoundException"},
    {"shape":"AccessDeniedException"}
  ],
  "idempotent":true
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  "name":"ListIdentityProviders",
  "http":{
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    "requestUri":"/identity-provider/ListIdentityProviders",
    "responseCode":200
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"output":{"shape":"ListIdentityProvidersResponse"},
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{"shape":"InternalServerException"},
{"shape":"ResourceNotFoundException"},
{"shape":"AccessDeniedException"}
]
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"ListInstances":{
"name":"ListInstances",
"http":{
"method":"POST",
"requestUri":"/instance/ListInstances",
"responseCode":200
},
"input":{"shape":"ListInstancesRequest"},
"output":{"shape":"ListInstancesResponse"},
"errors":[
{"shape":"ServiceQuotaExceededException"},
{"shape":"ConflictException"},
{"shape":"ValidationException"},
{"shape":"ThrottlingException"},
{"shape":"InternalServerException"},
{"shape":"ResourceNotFoundException"},
{"shape":"AccessDeniedException"}
]
},
"ListProductSubscriptions":{
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"http":{
"method":"POST",
"requestUri":"/user/ListProductSubscriptions",
"responseCode":200
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"input":{"shape":"ListProductSubscriptionsRequest"},
"output":{"shape":"ListProductSubscriptionsResponse"},
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{"shape":"ConflictException"},
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{"shape":"ThrottlingException"},
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{"shape":"ResourceNotFoundException"},
{"shape":"AccessDeniedException"}
]

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"ListUserAssociations":{
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    "requestUri":"/user/ListUserAssociations",
    "responseCode":200
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  "input":{"shape":"ListUserAssociationsRequest"},
  "output":{"shape":"ListUserAssociationsResponse"},
  "errors":[
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    {"shape":"ConflictException"},
    {"shape":"ValidationException"},
    {"shape":"ThrottlingException"},
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
    {"shape":"AccessDeniedException"}
   ]
},
"RegisterIdentityProvider":{
  "name":"RegisterIdentityProvider",
  "http":{
    "method":"POST",
    "requestUri":"/identity-provider/RegisterIdentityProvider",
    "responseCode":200
  },
  "input":{"shape":"RegisterIdentityProviderRequest"},
  "output":{"shape":"RegisterIdentityProviderResponse"},
  "errors":[
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    {"shape":"ConflictException"},
    {"shape":"ValidationException"},
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    {"shape":"ResourceNotFoundException"},
    {"shape":"AccessDeniedException"}
  ],
  "idempotent":true
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"StartProductSubscription":{
  "name":"StartProductSubscription",
  "http":{
    "method":"POST",
    "requestUri":"/user/StartProductSubscription",
    "responseCode":200
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  "input":{"shape":"StartProductSubscriptionRequest"},
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"output":{"shape":"StartProductSubscriptionResponse"},
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{"shape":"ResourceNotFoundException"},
{"shape":"AccessDeniedException"}
]
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"StopProductSubscription":{
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"http":{
"method":"POST",
"requestUri":"/user/StopProductSubscription",
"responseCode":200
},
"input":{"shape":"StopProductSubscriptionRequest"},
"output":{"shape":"StopProductSubscriptionResponse"},
"errors":[
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{"shape":"ConflictException"},
{"shape":"ValidationException"},
{"shape":"ThrottlingException"},
{"shape":"InternalServerException"},
{"shape":"ResourceNotFoundException"},

{"shape":"AccessDeniedException"}
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"UpdateIdentityProviderSettings":{
"name":"UpdateIdentityProviderSettings",
"http":{
"method":"POST",
"requestUri":"/identity-provider/UpdateIdentityProviderSettings",
"responseCode":200
},
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"output":{"shape":"UpdateIdentityProviderSettingsResponse"},
"errors":[
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{"shape":"ThrottlingException"},
{"shape":"InternalServerException"},
{"shape":"AccessDeniedException"}
],
"idempotent":true

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    }
  },
  "shapes":{
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      "type":"structure",
      "members":{
        "message":{"shape":"String"}
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      "exception":true
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    "ActiveDirectoryIdentityProvider":{
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      }
    },
    "AssociateUserRequest":{
      "type":"structure",
       "required":[
        "IdentityProvider",
        "InstanceId",
        "Username"
      ],
      "members":{
        "Domain":{"shape":"String"},
        "IdentityProvider":{"shape":"IdentityProvider"},
        "InstanceId":{"shape":"String"},
        "Username":{"shape":"String"}
      }
    },
    "AssociateUserResponse":{
      "type":"structure",
      "required":["InstanceUserSummary"],
      "members":{
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      }
    },
    "BoxInteger":{
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      "box":true
    },
    "ConflictException":{
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      "members":{
        "message":{"shape":"String"}
      },
      "exception":true,
      "fault":true
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},
"DeregisterIdentityProviderRequest":{
"type":"structure",
"required":[
"IdentityProvider",
"Product"
],
"members":{
"IdentityProvider":{"shape":"IdentityProvider"},
"Product":{"shape":"String"}
}
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"DeregisterIdentityProviderResponse":{
"type":"structure",
"required":["IdentityProviderSummary"],
"members":{
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"DisassociateUserRequest":{
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"required":[
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"InstanceId",
"Username"
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"IdentityProvider":{"shape":"IdentityProvider"},
"InstanceId":{"shape":"String"},
"Username":{"shape":"String"}
}
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"DisassociateUserResponse":{
"type":"structure",
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"members":{
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}
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"Filter":{
"type":"structure",
"members":{
"Attribute":{"shape":"String"},
"Operation":{"shape":"String"},
"Value":{"shape":"String"}
}
},

"FilterList":{
  "type":"list",
   "member":{"shape":"Filter"}
},
"IdentityProvider":{
  "type":"structure",
  "members":{
    "ActiveDirectoryIdentityProvider":{"shape":"ActiveDirectoryIdentityProvider"}
  },
  "union":true
},
"IdentityProviderSummary":{
  "type":"structure",
  "required":[
    "IdentityProvider",
    "Product",
    "Settings",
    "Status"
  ],
  "members":{
    "FailureMessage":{"shape":"String"},
    "IdentityProvider":{"shape":"IdentityProvider"},
    "Product":{"shape":"String"},
    "Settings":{"shape":"Settings"},
    "Status":{"shape":"String"}
  }
},
"IdentityProviderSummaryList":{
  "type":"list",
  "member":{"shape":"IdentityProviderSummary"}
},
"InstanceSummary":{
  "type":"structure",
  "required":[
    "InstanceId",
    "Products",
    "Status"
  ],
  "members":{
    "InstanceId":{"shape":"String"},
    "LastStatusCheckDate":{"shape":"String"},
     "Products":{"shape":"StringList"},
    "Status":{"shape":"String"},
    "StatusMessage":{"shape":"String"}
  }
},
"InstanceSummaryList":{
  "type":"list",

```
  "member":{"shape":"InstanceSummary"}
},
"InstanceUserSummary":{
  "type":"structure",
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    "IdentityProvider",
    "InstanceId",
    "Status",
    "Username"
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  "members":{
    "AssociationDate":{"shape":"String"},
    "DisassociationDate":{"shape":"String"},
    "Domain":{"shape":"String"},
    "IdentityProvider":{"shape":"IdentityProvider"},
    "InstanceId":{"shape":"String"},
    "Status":{"shape":"String"},
    "StatusMessage":{"shape":"String"},
    "Username":{"shape":"String"}
  }
},
"InstanceUserSummaryList":{
  "type":"list",
  "member":{"shape":"InstanceUserSummary"}
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"InternalServerException":{
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  "members":{

 "message":{"shape":"String"}
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  "exception":true,
  "fault":true
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"ListIdentityProvidersRequest":{
  "type":"structure",
  "members":{
    "MaxResults":{"shape":"BoxInteger"},
    "NextToken":{"shape":"String"}
  }
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"ListIdentityProvidersResponse":{
  "type":"structure",
  "required":["IdentityProviderSummaries"],
  "members":{
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    "NextToken":{"shape":"String"}
  }
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  "MaxResults":{"shape":"BoxInteger"},
  "NextToken":{"shape":"String"}
 }
},
"ListInstancesResponse":{
 "type":"structure",
 "members":{
  "InstanceSummaries":{"shape":"InstanceSummaryList"},
  "NextToken":{"shape":"String"}
 }
},
"ListProductSubscriptionsRequest":{
 "type":"structure",
 "required":[
  "IdentityProvider",
  "Product"
 ],
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  "IdentityProvider":{"shape":"IdentityProvider"},
  "MaxResults":{"shape":"BoxInteger"},
  "NextToken":{"shape":"String"},
  "Product":{"shape":"String"}
 }
},
"ListProductSubscriptionsResponse":{
 "type":"structure",
 "members":{
  "NextToken":{"shape":"String"},
  "ProductUserSummaries":{"shape":"ProductUserSummaryList"}
 }
},
"ListUserAssociationsRequest":{
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 "required":[
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  "InstanceId"
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  "InstanceId":{"shape":"String"},
  "MaxResults":{"shape":"BoxInteger"},

"NextToken":{"shape":"String"}
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"ListUserAssociationsResponse":{
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"members":{
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"NextToken":{"shape":"String"}
}
},
"ProductUserSummary":{
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"required":[
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"Product",
"Status",
"Username"
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"Domain":{"shape":"String"},
"IdentityProvider":{"shape":"IdentityProvider"},
"Product":{"shape":"String"},
"Status":{"shape":"String"},
"StatusMessage":{"shape":"String"},
"SubscriptionEndDate":{"shape":"String"},
"SubscriptionStartDate":{"shape":"String"},
"Username":{"shape":"String"}
}
},
"ProductUserSummaryList":{
"type":"list",
"member":{"shape":"ProductUserSummary"}
},
"RegisterIdentityProviderRequest":{
"type":"structure",
"required":[
"IdentityProvider",
"Product"
],
"members":{
"IdentityProvider":{"shape":"IdentityProvider"},
"Product":{"shape":"String"},
"Settings":{"shape":"Settings"}
}
},
"RegisterIdentityProviderResponse":{
"type":"structure",

"required":["IdentityProviderSummary"],
"members":{
"IdentityProviderSummary":{"shape":"IdentityProviderSummary"}
}
},
"ResourceNotFoundException":{
"type":"structure",
"members":{
"message":{"shape":"String"}
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"error":{
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"senderFault":true
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"exception":true
},
"SecurityGroup":{
"type":"string",
"max":200,
"min":5,
"pattern":"^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
},
"ServiceQuotaExceededException":{
"type":"structure",
"members":{
"message":{"shape":"String"}
},
"exception":true
},
"Settings":{
"type":"structure",
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"SecurityGroupId",
"Subnets"
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"members":{
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"Subnets":{"shape":"SettingsSubnetsList"}
}
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"SettingsSubnetsList":{
"type":"list",
"member":{"shape":"Subnet"},
"min":1
},
"StartProductSubscriptionRequest":{
"type":"structure",
"required":[

"IdentityProvider",
"Product",
"Username"
],
"members":{
"Domain":{"shape":"String"},
"IdentityProvider":{"shape":"IdentityProvider"},
"Product":{"shape":"String"},
"Username":{"shape":"String"}
}
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"StartProductSubscriptionResponse":{
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"required":["ProductUserSummary"],
"members":{
"ProductUserSummary":{"shape":"ProductUserSummary"}
}
},
"StopProductSubscriptionRequest":{
"type":"structure",
"required":[
"IdentityProvider",
"Product",
"Username"
],
"members":{
"Domain":{"shape":"String"},
"IdentityProvider":{"shape":"IdentityProvider"},
"Product":{"shape":"String"},
"Username":{"shape":"String"}
}
},
"StopProductSubscriptionResponse":{
"type":"structure",
"required":["ProductUserSummary"],
"members":{
"ProductUserSummary":{"shape":"ProductUserSummary"}
}
},
"String":{"type":"string"},
"StringList":{
"type":"list",
"member":{"shape":"String"}
},
"Subnet":{
"type":"string",
"pattern":"subnet-[a-z0-9]{8,17}"
},

"Subnets":{
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  "member":{"shape":"Subnet"}
},
"ThrottlingException":{
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  "members":{
    "message":{"shape":"String"}
  },
  "exception":true
},
"UpdateIdentityProviderSettingsRequest":{
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  "required":[
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    "Product",
    "UpdateSettings"
  ],
  "members":{
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     "Product":{"shape":"String"},
    "UpdateSettings":{"shape":"UpdateSettings"}
  }
},
"UpdateIdentityProviderSettingsResponse":{
  "type":"structure",
  "required":["IdentityProviderSummary"],
  "members":{
    "IdentityProviderSummary":{"shape":"IdentityProviderSummary"}
  }
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"UpdateSettings":{
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  "required":[
    "AddSubnets",
    "RemoveSubnets"
  ],
  "members":{
    "AddSubnets":{"shape":"Subnets"},
    "RemoveSubnets":{"shape":"Subnets"},
    "SecurityGroupId":{"shape":"SecurityGroup"}
  }
},
"ValidationException":{
  "type":"structure",
  "members":{
    "message":{"shape":"String"}
  },

"exception":true
}
}
}

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{
"version":"2.0",
"metadata":{
  "apiVersion":"2018-05-10",
  "endpointPrefix":"license-manager-linux-subscriptions",
  "jsonVersion":"1.1",
  "protocol":"rest-json",
  "protocols":["rest-json"],
  "serviceFullName":"AWS License Manager Linux Subscriptions",
  "serviceId":"License Manager Linux Subscriptions",
  "signatureVersion":"v4",
  "signingName":"license-manager-linux-subscriptions",
  "uid":"license-manager-linux-subscriptions-2018-05-10",
  "auth":["aws.auth#sigv4"]
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"operations":{
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    "http":{
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    "output":{"shape":"DeregisterSubscriptionProviderResponse"},
    "errors":[
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{"shape":"InternalServerException"},
{"shape":"ResourceNotFoundException"},
{"shape":"ThrottlingException"},
{"shape":"ValidationException"}
],
"idempotent":true
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],
"idempotent":true
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"ListLinuxSubscriptionInstances":{
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"http":{
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"input":{"shape":"ListLinuxSubscriptionInstancesRequest"},

"output":{"shape":"ListLinuxSubscriptionInstancesResponse"},
"errors":[
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"idempotent":true
},
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{"shape":"ThrottlingException"},
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],
"idempotent":true
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{"shape":"ValidationException"}
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"idempotent":true
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"ListTagsForResource":{
"name":"ListTagsForResource",
"http":{
"method":"GET",
"requestUri":"/tags/{resourceArn}",
"responseCode":200
},
"input":{"shape":"ListTagsForResourceRequest"},

"output":{"shape":"ListTagsForResourceResponse"},
"errors":[
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{"shape":"ResourceNotFoundException"},
{"shape":"ValidationException"}
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},
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"http":{
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"TagResource":{
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"method":"PUT",
"requestUri":"/tags/{resourceArn}",
"responseCode":200
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{"shape":"ValidationException"}
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"input":{"shape":"UntagResourceRequest"},

"output":{"shape":"UntagResourceResponse"},
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"responseCode":200
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"input":{"shape":"UpdateServiceSettingsRequest"},
"output":{"shape":"UpdateServiceSettingsResponse"},
"errors":[
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{"shape":"ThrottlingException"},
{"shape":"ValidationException"}
],
"idempotent":true
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},
"shapes":{
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"type":"boolean",
"box":true
},
"BoxInteger":{
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"box":true
},
"BoxLong":{
"type":"long",
"box":true
},
"DeregisterSubscriptionProviderRequest":{
"type":"structure",
"required":["SubscriptionProviderArn"],
"members":{
"SubscriptionProviderArn":{"shape":"SubscriptionProviderArn"}
}
},
"DeregisterSubscriptionProviderResponse":{
"type":"structure",
"members":{
}

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"Filter":{
  "type":"structure",
  "members":{
    "Name":{"shape":"String"},
    "Operator":{"shape":"Operator"},
    "Values":{"shape":"StringList"}
  }
},
"FilterList":{
  "type":"list",
  "member":{"shape":"Filter"}
 },
"GetRegisteredSubscriptionProviderRequest":{
  "type":"structure",
  "required":["SubscriptionProviderArn"],
  "members":{
    "SubscriptionProviderArn":{"shape":"SubscriptionProviderArn"}
  }
},
"GetRegisteredSubscriptionProviderResponse":{
  "type":"structure",
  "members":{
    "LastSuccessfulDataRetrievalTime":{"shape":"String"},
    "SecretArn":{"shape":"SecretArn"},
    "SubscriptionProviderArn":{"shape":"SubscriptionProviderArn"},
    "SubscriptionProviderSource":{"shape":"SubscriptionProviderSource"},
    "SubscriptionProviderStatus":{"shape":"SubscriptionProviderStatus"},
    "SubscriptionProviderStatusMessage":{"shape":"String"}
  }
},
"GetServiceSettingsRequest":{
  "type":"structure",
  "members":{
  }
},
"GetServiceSettingsResponse":{
  "type":"structure",
  "members":{
    "HomeRegions":{"shape":"StringList"},
    "LinuxSubscriptionsDiscovery":{"shape":"LinuxSubscriptionsDiscovery"},
     "LinuxSubscriptionsDiscoverySettings":{"shape":"LinuxSubscriptionsDiscoverySettings"},
    "Status":{"shape":"Status"},
    "StatusMessage":{"shape":"StringMap"}
  }
},
"Instance":{
  "type":"structure",
```

```
  "members":{
    "AccountID":{"shape":"String"},
    "AmiId":{"shape":"String"},
    "DualSubscription":{"shape":"String"},
    "InstanceID":{"shape":"String"},
    "InstanceType":{"shape":"String"},
    "LastUpdatedTime":{"shape":"String"},
    "OsVersion":{"shape":"String"},
    "ProductCode":{"shape":"ProductCodeList"},
    "Region":{"shape":"String"},
    "RegisteredWithSubscriptionProvider":{"shape":"String"},
    "Status":{"shape":"String"},
    "SubscriptionName":{"shape":"String"},
    "SubscriptionProviderCreateTime":{"shape":"String"},
    "SubscriptionProviderUpdateTime":{"shape":"String"},
    "UsageOperation":{"shape":"String"}
  }
},

"InstanceList":{
  "type":"list",
  "member":{"shape":"Instance"}
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"InternalServerException":{
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  "exception":true,
  "fault":true
},
"LinuxSubscriptionsDiscovery":{
  "type":"string",
  "enum":[
    "Enabled",
    "Disabled"
  ]
},
"LinuxSubscriptionsDiscoverySettings":{
  "type":"structure",
  "required":[
    "OrganizationIntegration",
    "SourceRegions"
  ],
  "members":{
    "OrganizationIntegration":{"shape":"OrganizationIntegration"},
    "SourceRegions":{"shape":"StringList"}
  }
```

```
},
"ListLinuxSubscriptionInstancesRequest":{
  "type":"structure",
  "members":{
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    "MaxResults":{"shape":"BoxInteger"},
    "NextToken":{"shape":"ListLinuxSubscriptionInstancesRequestNextTokenString"}
  }
},
"ListLinuxSubscriptionInstancesRequestNextTokenString":{
   "type":"string",
  "max":16384,
  "min":1
},
"ListLinuxSubscriptionInstancesResponse":{
  "type":"structure",
  "members":{
    "Instances":{"shape":"InstanceList"},
    "NextToken":{"shape":"String"}
  }
},
"ListLinuxSubscriptionsRequest":{
  "type":"structure",
  "members":{
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    "MaxResults":{"shape":"BoxInteger"},
    "NextToken":{"shape":"ListLinuxSubscriptionsRequestNextTokenString"}
  }
},
"ListLinuxSubscriptionsRequestNextTokenString":{
  "type":"string",
  "max":16384,
  "min":1
},
"ListLinuxSubscriptionsResponse":{
  "type":"structure",
  "members":{
    "NextToken":{"shape":"String"},
    "Subscriptions":{"shape":"SubscriptionList"}
  }
},
"ListRegisteredSubscriptionProvidersRequest":{
  "type":"structure",
  "members":{
    "MaxResults":{"shape":"ListRegisteredSubscriptionProvidersRequestMaxResultsInteger"},
     "NextToken":{"shape":"String"},
    "SubscriptionProviderSources":{"shape":"SubscriptionProviderSourceList"}
  }
```

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},
"ListRegisteredSubscriptionProvidersRequestMaxResultsInteger":{
  "type":"integer",
  "box":true,
  "max":100,
  "min":1
},
"ListRegisteredSubscriptionProvidersResponse":{
  "type":"structure",
  "members":{
    "NextToken":{"shape":"String"},
    "RegisteredSubscriptionProviders":{"shape":"RegisteredSubscriptionProviderList"}
  }
},
"ListTagsForResourceRequest":{
  "type":"structure",
  "required":["resourceArn"],
  "members":{
    "resourceArn":{
      "shape":"SubscriptionProviderArn",
      "location":"uri",
      "locationName":"resourceArn"
    }
  }
},
"ListTagsForResourceResponse":{
  "type":"structure",
  "members":{
    "tags":{"shape":"Tags"}
  }
},
"Operator":{
  "type":"string",
   "enum":[
    "Equal",
    "NotEqual",
    "Contains"
  ],
  "max":20,
  "min":1
},
"OrganizationIntegration":{
  "type":"string",
  "enum":[
    "Enabled",
    "Disabled"
  ]
},
```

"ProductCodeList":{
  "type":"list",
  "member":{"shape":"String"}
},
"RegisterSubscriptionProviderRequest":{
  "type":"structure",
  "required":[
    "SecretArn",
    "SubscriptionProviderSource"
  ],
  "members":{
    "SecretArn":{"shape":"SecretArn"},
    "SubscriptionProviderSource":{"shape":"SubscriptionProviderSource"},
    "Tags":{"shape":"Tags"}
  }
},
"RegisterSubscriptionProviderResponse":{
  "type":"structure",
  "members":{
    "SubscriptionProviderArn":{"shape":"String"},
    "SubscriptionProviderSource":{"shape":"SubscriptionProviderSource"},
    "SubscriptionProviderStatus":{"shape":"SubscriptionProviderStatus"}
  }
},
"RegisteredSubscriptionProvider":{
   "type":"structure",
  "members":{
    "LastSuccessfulDataRetrievalTime":{"shape":"String"},
    "SecretArn":{"shape":"SecretArn"},
    "SubscriptionProviderArn":{"shape":"SubscriptionProviderArn"},
    "SubscriptionProviderSource":{"shape":"SubscriptionProviderSource"},
    "SubscriptionProviderStatus":{"shape":"SubscriptionProviderStatus"},
    "SubscriptionProviderStatusMessage":{"shape":"String"}
  }
},
"RegisteredSubscriptionProviderList":{
  "type":"list",
  "member":{"shape":"RegisteredSubscriptionProvider"}
},
"ResourceNotFoundException":{
  "type":"structure",
  "members":{
    "message":{"shape":"String"}
  },
  "exception":true
},
"SecretArn":{
  "type":"string",

"pattern":"^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-\\.]{0,63}:secret:[^/]{1,1023}$"
},
"Status":{
"type":"string",
"enum":[
"InProgress",

"Completed",
"Successful",
"Failed"
]
},
"String":{"type":"string"},
"StringList":{
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"member":{"shape":"StringListMemberString"},
"max":100,
"min":1
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"StringListMemberString":{
"type":"string",
"max":100,
"min":1
},
"StringMap":{
"type":"map",
"key":{"shape":"String"},
"value":{"shape":"String"}
},
"Subscription":{
"type":"structure",
"members":{
"InstanceCount":{"shape":"BoxLong"},
"Name":{"shape":"String"},
"Type":{"shape":"String"}
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},
"SubscriptionList":{
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"member":{"shape":"Subscription"}
},
"SubscriptionProviderArn":{
"type":"string",
"pattern":"^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
},
"SubscriptionProviderSource":{
"type":"string",

"enum":["RedHat"]
},
"SubscriptionProviderSourceList":{
"type":"list",
"member":{"shape":"SubscriptionProviderSource"}
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"SubscriptionProviderStatus":{
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"enum":[
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"INVALID",
"PENDING"
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"TagKeyList":{
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"member":{"shape":"String"},
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"min":0,
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"TagResourceRequest":{
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"required":[
"resourceArn",
"tags"
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"members":{
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"shape":"SubscriptionProviderArn",
"location":"uri",
"locationName":"resourceArn"
},
"tags":{"shape":"Tags"}
}
},
"TagResourceResponse":{
"type":"structure",
"members":{
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},
"Tags":{
"type":"map",
"key":{"shape":"String"},
"value":{"shape":"String"},
"max":50,
"min":0,
"sensitive":true

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},
"ThrottlingException":{
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  "members":{
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  },
  "exception":true
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"UntagResourceRequest":{
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  "required":[
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    "tagKeys"
  ],
  "members":{
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      "location":"uri",
      "locationName":"resourceArn"
    },
    "tagKeys":{
      "shape":"TagKeyList",
      "location":"querystring",
      "locationName":"tagKeys"
    }
  }
},
"UntagResourceResponse":{
  "type":"structure",
  "members":{
  }
},
"UpdateServiceSettingsRequest":{
  "type":"structure",
  "required":[
    "LinuxSubscriptionsDiscovery",
    "LinuxSubscriptionsDiscoverySettings"
  ],
  "members":{
    "AllowUpdate":{"shape":"Boolean"},
    "LinuxSubscriptionsDiscovery":{"shape":"LinuxSubscriptionsDiscovery"},
    "LinuxSubscriptionsDiscoverySettings":{"shape":"LinuxSubscriptionsDiscoverySettings"}
  }
},
"UpdateServiceSettingsResponse":{
  "type":"structure",
  "members":{
    "HomeRegions":{"shape":"StringList"},
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"LinuxSubscriptionsDiscovery":{"shape":"LinuxSubscriptionsDiscovery"},
"LinuxSubscriptionsDiscoverySettings":{"shape":"LinuxSubscriptionsDiscoverySettings"},
"Status":{"shape":"Status"},
"StatusMessage":{"shape":"StringMap"}
}
},
"ValidationException":{
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"pagination": {
}
}
{
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
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"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {

"builtIn": "SDK::Endpoint",
"required": false,

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        "documentation": "Override the endpoint used to send this request",
        "type": "String"
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    "rules": [
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        "conditions": [
          {
            "fn": "isSet",
            "argv": [
              {
                "ref": "Endpoint"
              }
            ]
          }
        ],
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        "rules": [
          {
            "conditions": [
              {
                "fn": "booleanEquals",
                "argv": [
                  {
                    "ref": "UseFIPS"
                  },
                  true
                ]
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            ],
            "error": "Invalid Configuration: FIPS and custom
endpoint are not supported",
            "type": "error"
          },
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            "conditions": [],
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                    "argv": [
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                        "ref": "UseDualStack"
                      },
                      true
                    ]
```

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                    }
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                "conditions": [],

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                },
                "type": "endpoint"
            }
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          "argv": [
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              "ref": "Region"
            }
          ]
        }
      ],
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          "conditions": [
            {
              "fn": "aws.partition",
              "argv": [
                {
                  "ref": "Region"
                }
              ],
              "assign": "PartitionResult"
```

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                }
            ],
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                            "argv": [
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1.6922 spec 0.20.11

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---
title: Notice
description : "Message pour vous aider structurer votre contenu"

Le shortcode *Notice* permet d'afficher 4 types de message pour vous aider structurer votre contenu.

Note

```
{{%/* notice note */%}}
Une notice de type *note*
{{%/* /notice */%}}
```

s'affiche comme

{{% notice note %}}
Une notice de type *note*
{{% /notice %}}

Info

```
{{%/* notice info */%}}
Une notice de type *info*
{{%/* /notice */%}}
```

s'affiche comme

{{% notice info %}}
Une notice de type *info*
{{% /notice %}}

Tip

```
{{%/* notice tip */%}}
Une notice de type *tip*
{{%/* /notice */%}}
```

s'affiche comme

{{% notice tip %}}
Une notice de type *tip*
{{% /notice %}}

Warning

```
{{%/* notice warning */%}}
Une notice de type *warning*
{{%/* /notice */%}}
```

s'affiche comme

{{% notice warning %}}
Une notice de type *warning*
{{% /notice %}}
---
title: Notice
description : "Disclaimers to help you structure your page"

The notice shortcode shows 4 types of disclaimers to help you structure your page.

Note

```
{{%/* notice note */%}}
A notice disclaimer
{{%/* /notice */%}}
```

renders as

{{% notice note %}}
A notice disclaimer
{{% /notice %}}

Info

```
{{%/* notice info */%}}
An information disclaimer
{{%/* /notice */%}}
```

renders as

{{% notice info %}}
An information disclaimer
{{% /notice %}}

Tip

```
{{%/* notice tip */%}}
A tip disclaimer
{{%/* /notice */%}}
```

renders as

{{% notice tip %}}
A tip disclaimer
{{% /notice %}}

Warning

```
{{%/* notice warning */%}}
An warning disclaimer
{{%/* /notice */%}}
```

renders as

{{% notice warning %}}
A warning disclaimer
{{% /notice %}}

1.6924 snowflake 0.3.0

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1.6927 oapi-codegen 1.12.4

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1.6929 contrib-propagators-jaeger 1.28.0

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1.6930 centrifuge 0.30.2

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1.6931 golang-genproto 0.0.0-20240722135656-d784300faade

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1.6932 kube-openapi 0.0.0-20231214164306-ab13479f8bf8

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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL  string `json:"url,omitempty"`
}
---
aliases:
 - ../../enterprise/activate-aws-marketplace-license/about-ge-license-through-aws/
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description: Activate your Grafana Enterprise license purchased in AWS Marketplace
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keywords:
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labels:
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- enterprise
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weight: 400

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{{< section >}}

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description: Activate a Grafana Enterprise license from AWS Marketplace on EKS
keywords:
 - grafana
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 - activate
labels:
 products:
   - enterprise
   - oss

title: Activate a Grafana Enterprise license from AWS Marketplace on EKS
weight: 200

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If you have purchased a Grafana Enterprise subscription through AWS Marketplace, you must activate it in order to use Grafana Enterprise data source plugins and features in Grafana.

Before you begin:

- Purchase a subscription to [Grafana Enterprise from AWS Marketplace](https://aws.amazon.com/marketplace/pp/prodview-dlncd4kzt5kx6).
- Be sure that the IAM user that was used to purchase Grafana Enterprise has permission to manage subscriptions, create new IAM users and roles, and create access policies.

To activate your license, complete the following tasks:

Task 1: Deploy Grafana Enterprise on Amazon EKS

1. Deploy Grafana Enterprise on Amazon EKS.

   For more information about deploying an application on Amazon EKS, refer to [Getting started with Amazon EKS AWS Management Console and AWS CLI](https://docs.aws.amazon.com/eks/latest/userguide/getting-started-console.html).

   For more information about installing Grafana on Kubernetes using the Helm Chart, refer to the [Grafana Helm Chart](https://github.com/grafana/helm-charts/tree/main/charts/grafana#readme).

1. Use `kubectl set image deployment/my-release grafana=grafana/grafana-enterprise:<version>` to update the container image to Grafana Enterprise version 8.3.0 or later.

   For example, enter `grafana/grafana-enterprise:8.3.3`.

> Only Grafana Enterprise versions 8.3.0 and later support licenses granted through AWS Marketplace.

Task 2: Configure Grafana for high availability

Grafana requires that you configure a database to hold dashboards, users, and other persistent data.

Before you begin

- Ensure that you have a supported Grafana database available.
  - For a list of supported databases, refer to [Supported databases]({{< relref "../../../../setup-grafana/installation/#supported-databases" >}}).
  - For information about creating a database, refer to [Creating an Amazon RDS DB instance](https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER_CreateDBInstance.html).

- Review the information required to connect to the RDS DB instance. For more information, refer to [Connecting to an Amazon RDS DB instance](https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/CHAP_CommonTasks.Connect.html).

To configure Grafana for high availability, choose **one** of the following options:

- **Option 1:** Use `kubectl edit configmap grafana` to edit `grafana.ini` add the following section to the configuration:

```
[database]
type
= [database type]
host = [database address and port]
name = [database name]
user = [database username]
password = [database password]
```

- **Option 2:** use `kubectl edit deployment my-release` to edit the pod `env` variables and add the following database variables:

```
- name: GF_DATABASE_TYPE
  value: [database type]
- name: GF_DATABASE_HOST
  value: [database address and port]
- name: GF_DATABASE_NAME
  value: [database name]
- name: GF_DATABASE_USER
  value: [database username]
- name: GF_DATABASE_PASSWORD
  value: [database password]
```

For more information on Grafana High Availability setup, refer to [Set up Grafana for high availability]({{< relref "../../../../setup-grafana/set-up-for-high-availability/" >}}).

Task 3: Configure Grafana Enterprise to validate its license with AWS

In this task, you configure Grafana Enterprise to validate the license with AWS instead of Grafana Labs.

1. In AWS IAM, assign the following permissions
 to the Node IAM role (if you are using a Node Group), or the Pod Execution role (if you are using a Fargate profile):

  - `"license-manager:CheckoutLicense"`
  - `"license-manager:ListReceivedLicenses"`

- `"license-manager:GetLicenseUsage"`
- `"license-manager:CheckInLicense"`

For more information about creating an access policy, refer to [Creating IAM policies (console)](https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies_create-console.html).

For more information about AWS license permissions, refer to [Actions, resources, and condition keys for AWS License Manager](https://docs.aws.amazon.com/service-authorization/latest/reference/list_awslicensemanager.html).

1. Choose **one** of the following options to update the [license_validation_type]({{< relref "../../../../setup-grafana/configure-grafana/enterprise-configuration/#license_validation_type" >}}) configuration to `aws`:

- **Option 1:** Use `kubectl edit configmap grafana` to edit `grafana.ini`
add the following section to the configuration:

```
[enterprise]
license_validation_type=aws
```

- **Option 2:** Use `kubectl edit deployment my-release` to edit the pod `env` variables and add the following variable:

```
name: GF_ENTERPRISE_LICENSE_VALIDATION_TYPE
value: aws
```

Task 4: Start or restart Grafana

To activate Grafana Enterprise features, you must start (or restart) Grafana.

To restart Grafana on a Kubernetes cluster,

1. Run the command `kubectl rollout restart deployment my-release`.

1. After you update the service, navigate to your Grafana instance, sign in with Grafana Admin credentials, and navigate to **Administration > General > Stats and license** to validate that your license is active.

For more information about restarting Grafana, refer to [Restart Grafana]({{< relref "../../../../setup-grafana/start-restart-grafana/" >}}).

> If you experience issues when you update the EKS cluster, refer to [Amazon EKS troubleshooting](https://docs.aws.amazon.com/eks/latest/userguide/troubleshooting.html).

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```
package spec

import "testing"

func TestIntegrationLicense(t *testing.T) {
 license := License{Name: "the name", URL: "the url"}
 const licenseJSON = `{"name":"the name","url":"the url"}`
 const licenseYAML = "name: the name\nurl: the url\n"

 assertSerializeJSON(t, license, licenseJSON)
 assertParsesJSON(t, licenseJSON, license)
}
```

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---
aliases:
- ../admin/view-server-settings/
- ../admin/view-server-stats/
- view-server/
- view-server/view-server-settings/
- view-server/view-server-stats/
description: How to view server settings in the Grafana UI
keywords:
- grafana
- configuration
- server
- settings
labels:
products:
- cloud
- enterprise
title: View server statistics and license
weight: 400

View server statistics and license

This setting contains information about tools that Grafana Server Admins can use to learn more about their Grafana servers.

View Grafana server settings

> Refer to [Role-based access control]({{< relref "../roles-and-permissions/access-control" >}}) in Grafana Enterprise to understand how you can control access with RBAC permissions.

If you are a Grafana server administrator, use the Settings tab to view the settings that are applied to your Grafana server via the [Configuration]({{< relref "../../setup-grafana/configure-grafana#configuration-file-location" >}}) file and any environmental variables.

> **Note:** Only Grafana server administrators can access the **Server Admin** menu. For more information about about administrative permissions, refer to [Roles and permissions]({{< relref "../roles-and-permissions#grafana-server-administrators" >}}).

View server settings

1. Log in to your Grafana server with an account that has the Grafana Admin flag set.
1. Click **Administration** in the left-side menu, **General**, and then **Settings**.

Available settings

For a full list of server settings, refer to [Configuration]({{< relref "../../setup-grafana/configure-grafana#server" >}}).

View Grafana server stats

> Refer to [Role-based access control]({{< relref "../roles-and-permissions/access-control" >}}) in Grafana Enterprise to understand how you can control access with RBAC permissions.

If you are a Grafana server admin, then you can view useful statistics about your Grafana server in the Stats & Licensing tab.

>
 Note: Only Grafana server administrators can access the **Server Admin** menu. For more information about about administrative permissions, refer to [Roles and permissions]({{< relref "../roles-and-permissions#grafana-server-administrators" >}}).

View server stats

1. Log in to your Grafana server with an account that has the Grafana Admin flag set.
1. Click **Administration** in the left-side menu, **General**, and then **Stats and license**.

Available stats

The following statistics are displayed in the Stats tab:

- Total users
 Note: Total users = Total admins + Total editors + Total viewers

- Total admins
- Total editors
- Total viewers
- Active users (seen last 30 days)
 Note: Active users = Active admins + Active editors + Active viewers
- Active admins (seen last 30 days)
- Active editors (seen last 30 days)
- Active viewers (seen last 30 days)
- Active sessions
- Total dashboards
- Total orgs
- Total playlists
- Total snapshots
- Total dashboard tags
-
 Total starred dashboards
- Total alerts

Counting users

If a user belongs to several organizations, then that user is counted once as a user in the highest organization role they are assigned, regardless of how many organizations the user belongs to.

For example, if Sofia is a Viewer in two organizations, an Editor in two organizations, and Admin in three organizations, then she would be reflected in the stats as:

- Total users 1
- Total admins 1

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aliases:
- ../../../enterprise/activate-aws-marketplace-license/manage-license-in-aws-marketplace/
- ../../../enterprise/license/activate-aws-marketplace-license/manage-license-in-aws-marketplace/
description: Manage your Grafana Enterprise license in AWS Marketplace
keywords:
- grafana
- enterprise
- aws
- marketplace
- manage
- add
- remove
- users
labels:
products:
- enterprise
- oss
title: Manage your Grafana Enterprise license in AWS Marketplace
weight: 400

Manage your Grafana Enterprise license in AWS Marketplace

You can use AWS Marketplace to make the following modifications to your Grafana Enterprise license:

- Add active users
- Remove active users
- Cancel your subscription to Grafana Enterprise.

To modify your Grafana Enterprise subscription in AWS Marketplace:

1. Open the AWS Console and navigate to [Subscription Management](https://console.aws.amazon.com/marketplace/home/subscriptions#/subscriptions).

1. Update your license.

1. Sign in to Grafana as a Server Administrator.

1. Click **Administration** in the side navigation menu, **General**, and then **Stats and license**.

1. In the **Token** section under **Enterprise License**, click **Renew token**.

This action retrieves updated license information from AWS.

> To learn more about licensing and active users, refer to [Activate a Grafana Enterprise license purchased through AWS Marketplace]({{< relref "../" >}}).
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aliases:
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- ../../../enterprise/license/activate-aws-marketplace-license/activate-license-on-ecs/
description: Activate a Grafana Enterprise license from AWS Marketplace on ECS
keywords:
- grafana
- ecs
- enterprise
- aws
- marketplace
- activate
labels:
products:
- enterprise
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weight: 250

Activate a Grafana Enterprise license from AWS Marketplace on ECS

If you have purchased a Grafana Enterprise subscription through AWS Marketplace, you must activate it in order to use Grafana Enterprise data source plugins and features in Grafana.

Before you begin

- Purchase a subscription to [Grafana Enterprise from AWS Marketplace](https://aws.amazon.com/marketplace/pp/prodview-dlncd4kzt5kx6).
- Be sure that the IAM user that was used to purchase Grafana Enterprise has permission to manage subscriptions, create new IAM users and roles, and create access policies.

To activate your license, complete the following tasks.

Task 1: Deploy Grafana Enterprise on Amazon ECS

1. Deploy Grafana Enterprise on Amazon ECS.

   For more information about deploying an application on Amazon ECS, refer to [Creating an Amazon ECS service](https://docs.aws.amazon.com/AmazonECS/latest/developerguide/create-service.html).

1. As you create the Amazon ECS service, use the Grafana Enterprise version 8.3.0 or later container image.

   For example, enter `grafana/grafana-enterprise:8.3.3`.

   > Only Grafana Enterprise versions 8.3.0 and later support licenses granted through AWS Marketplace.

Task 2: Configure Grafana for high availability

Grafana requires that you configure a database to hold dashboards, users, and other persistent data.

Before you begin

- Ensure that you have a supported Grafana database available.
  - For a list of supported databases, refer to [Supported databases]({{< relref "../../../../setup-grafana/installation/#supported-databases" >}}).
  - For information about creating a database, refer to [Creating an Amazon RDS DB instance](https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER_CreateDBInstance.html).
- Review the information required to connect to the RDS DB instance. For more information, refer to [Connecting to an Amazon RDS DB instance](https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/CHAP_CommonTasks.Connect.html).

To configure Grafana for high availability:

1. In AWS ECS, use environment variables to update the `database` parameters.

For a list of database parameters, refer to [Configuration]({{< relref "../../../../setup-grafana/configure-grafana/#database" >}}).

1. Create a revision of the task definition for the ECS Task that runs Grafana Enterprise.

For more information about creating a task, refer to [Updating a task definition using the classic console](https://docs.aws.amazon.com/AmazonECS/latest/developerguide/update-task-definition.html).

1. Within the new revision, edit the Grafana Enterprise container for this task, and add the following environment variables to the container:

```
GF_DATABASE_TYPE=[database type]
GF_DATABASE_HOST=[database address and port]
GF_DATABASE_NAME=[database name]
GF_DATABASE_USER=[database username]
GF_DATABASE_PASSWORD=[database password]
```

> For more information about how to update your ECS service with an environment variable, refer to [Updating a service using the new console](https://docs.aws.amazon.com/AmazonECS/latest/developerguide/update-service-console-v2.html).

Task 3: Configure Grafana Enterprise to validate its license with AWS

In this task you configure Grafana Enterprise to validate the license with AWS instead of Grafana Labs.

1. In AWS IAM, create an access policy with the following permissions:

- `"license-manager:CheckoutLicense"`
- `"license-manager:ListReceivedLicenses"`
- `"license-manager:GetLicenseUsage"`
- `"license-manager:CheckInLicense"`

For more information about creating an access policy, refer to [Creating IAM policies (console)](https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies_create-console.html).

For more information about AWS license permissions, refer to [Actions, resources, and condition keys for AWS License Manager](https://docs.aws.amazon.com/service-authorization/latest/reference/list_awslicensemanager.html).

1. Create an Elastic Container Service task role and attach the policy you created in the previous step.

For more information about creating a task role, refer to [IAM Roles for Tasks](https://docs.aws.amazon.com/AmazonECS/latest/developerguide/task-iam-roles.html).

1. Create a revision of the task definition for the ECS Task that runs Grafana Enterprise.

  For more information about creating a revision of the task definition, refer to [Updating a task definition using the classic console](https://docs.aws.amazon.com/AmazonECS/latest/developerguide/update-task-definition.html).

1.
 Within the new revision, perform the following steps:

  a. Update the Task Role of your ECS Task to the role that you created, with permission to access license information.

  b. Edit the Grafana Enterprise container for this task, and add the following environment variable to the container:

  ```
  GF_ENTERPRISE_LICENSE_VALIDATION_TYPE=aws
  ```

  For more information about how to update your ECS service with an environment variable, refer to [Updating a service using the new console](https://docs.aws.amazon.com/AmazonECS/latest/developerguide/update-service-console-v2.html).

Task 4: Start or restart Grafana

1. To restart Grafana and activate your license, update the service running Grafana to use the latest revision of the task definition that you created.
1. After you update the service, navigate to your Grafana instance, sign in with Grafana Admin credentials, and navigate to **Administration > General
 > Stats and license** to validate that your license is active.

For more information about validating that your license is active, refer to [Grafana Enterprise license restrictions]({{< relref "../../#grafana-enterprise-license-restrictions" >}}).

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- grafana
- enterprise
- aws
- marketplace
- transfer
- move
labels:
products:
  - enterprise
  - oss
title: Transfer your AWS Marketplace Grafana Enterprise license
weight: 400

Transfer your AWS Marketplace Grafana Enterprise license

You can transfer your AWS Marketplace Grafana Enterprise license to another Grafana Enterprise instance. The transfer process requires that you first remove your license from one instance, and then apply the license to another instance.

> When you remove an Enterprise license, the system immediately disables all Grafana Enterprise features.

To remove an Enterprise license from a Grafana Enterprise instance, perform one of the following steps:

- If you are using Amazon ECS or
Amazon EKS, remove the `GF_ENTERPRISE_LICENSE_VALIDATION_TYPE` environment variable from the container.
- If you have deployed Grafana Enterprise outside of AWS, remove the `aws` license_validation_type value from the grafana.ini configuration file.

It can take the system up to one hour to clear the license. After the system clears the license, you can apply the same license to another Grafana Enterprise instance.

To determine that the system has returned your license, check the license details in AWS License Manager.
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1.6933 contrib-samplers-jaegerremote 0.22.0

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1.6934 eagle 0.1.0

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1.6935 go-redis 9.0.2

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1.6937 kin-openapi 0.120.0

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```
package openapi3

import (
 "context"
 "encoding/json"
 "errors"
)

// License is specified by OpenAPI/Swagger standard version 3.
// See https://github.com/OAI/OpenAPI-Specification/blob/main/versions/3.0.3.md#license-object
type License struct {
 Extensions map[string]interface{} `json:"-" yaml:"-"`

 Name string `json:"name" yaml:"name"` // Required
 URL  string `json:"url,omitempty" yaml:"url,omitempty"`
}

// MarshalJSON returns the JSON encoding of License.
func (license License) MarshalJSON() ([]byte, error) {
 m := make(map[string]interface{}, 2+len(license.Extensions))
 for k, v := range license.Extensions {
  m[k] = v
 }
 m["name"] = license.Name
 if x := license.URL; x != "" {
  m["url"] = x
 }
 return json.Marshal(m)
}

// UnmarshalJSON sets License to a copy of data.
func (license *License) UnmarshalJSON(data []byte) error {
 type LicenseBis License
 var x LicenseBis
 if err := json.Unmarshal(data, &x); err != nil {
  return err
 }
 _ = json.Unmarshal(data, &x.Extensions)
 delete(x.Extensions,
 "name")
 delete(x.Extensions, "url")
 *license = License(x)
 return nil
```

```
}

// Validate returns an error if License does not comply with the OpenAPI spec.
func (license *License) Validate(ctx context.Context, opts ...ValidationOption) error {
 ctx = WithValidationOptions(ctx, opts...)

 if license.Name == "" {
  return errors.New("value of license name must be a non-empty string")
 }

 return validateExtensions(ctx, license.Extensions)
}
```

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1.6938 exporter-toolkit 0.10.1-0.20230714054209-2f4150c63f97

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1.6939 kms 0.29.0

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1.6944 aws-sdk-go-v2-internal-endpoints 2.6.25

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1.6945 aws-sdk-go-v2-service-internal-accept-encoding 1.12.1

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```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}
```

```
type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string
```

```
 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
```

```
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack,
 c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
```

```
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err !=
 nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
```

```
    matrix:
      python-version: [3.9]

  steps:
    - name: Checkout target
      uses: actions/checkout@v2
      with:
        path: sdkbase
        ref: ${{ github.base_ref }}
    - name: Checkout this ref
      uses: actions/checkout@v2
      with:
        path: new-ref
        fetch-depth: 0
    - name: Get Diff
      run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
    - name: Get Target Files
      run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
    - name: Checkout scancode
      uses: actions/checkout@v2
      with:
        repository: nexB/scancode-toolkit
        path: scancode-toolkit
        fetch-depth: 1
    - name: Set up Python ${{ matrix.python-version }}
       uses: actions/setup-python@v2
      with:
        python-version: ${{ matrix.python-version }}
    # ScanCode
    - name: Self-configure scancode
      working-directory: ./scancode-toolkit
      run: ./scancode --help
    - name: Run Scan code on target
      run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
    - name: Run Scan code on pr ref
      run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
```

```
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription
```

```
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
 err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
```

```
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if
 err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
```

```
 if err = addSpanInitializeStart(stack); err
 != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
{
  "smithy": "2.0",
  "shapes": {
      "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
          "type": "structure",
          "members": {
              "message": {
                  "target": "smithy.api#String"
              }
          },
          "traits": {
              "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
              "smithy.api#error": "client"
          }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
          "type": "structure",
          "members": {
              "DirectoryId": {
                  "target": "com.amazonaws.licensemanagerusersubscriptions#Directory",
                  "traits": {
                      "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
                  }
              },
```

"ActiveDirectorySettings":
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings",
"traits": {
"smithy.api#documentation": " The <code>ActiveDirectorySettings</code> resource contains details about \n\t\t\tthe Active Directory, including network access details such as domain name and IP \n\t\t\taddresses, and the credential provider for user administration. "
}
},
"ActiveDirectoryType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType",
"traits": {
"smithy.api#documentation": " The type of Active Directory either a self-managed Active Directory or an \n\t\t\tAmazon Web Services Managed Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about an Active Directory identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings": {
"type": "structure",
"members": {
"DomainName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name for the Active Directory. "
}
},
"DomainIpv4List": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IpV4List",
"traits": {
"smithy.api#documentation": " A list of domain IPv4 addresses that are used for the Active Directory. ",
"smithy.api#length": {
"min": 1,
"max": 2
}
}
},
"DomainCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
"traits": {
"smithy.api#documentation": " Points to the <code>CredentialsProvider</code> resource that contains \n\t\t\tinformation about the credential provider for user administration. "

```
            }
          },
          "DomainNetworkSettings": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings",
            "traits": {
              "smithy.api#documentation": "<p>The <code>DomainNetworkSettings</code> resource contains an
array of \n\t\t\tsubnets that apply for the Active Directory.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Contains network access and credential details that are needed for
\n\t\t\tuser administration in the Active Directory.</p>"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType":
 {
        "type": "string",
        "traits": {
          "smithy.api#enum": [
            {
              "name": "SELF_MANAGED",
              "value": "SELF_MANAGED",
              "documentation": "SELF_MANAGED type of Active Directory"
            },
            {
              "name": "AWS_MANAGED",
              "value": "AWS_MANAGED",
              "documentation": "AWS_MANAGED type of Active Directory"
            }
          ]
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#Arn": {
        "type": "string",
        "traits": {
          "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-
zA-Z0-9-\\.]{1,510}/[a-zA-Z0-9-\\.]{1,510}$"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#AssociateUser":
 {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
```

```
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Associates the user to an EC2 instance to utilize user-based
subscriptions.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related
costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing
status) in Amazon Web Services Billing. For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n\t\t\t\tmonthly
charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
            "smithy.api#http":
 {
                "code": 200,
                "method": "POST",
                "uri": "/user/AssociateUser"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider.</p>",
                    "smithy.api#required": {}
```

```
            }
        },
        "InstanceId": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The ID of the EC2 instance that provides the user-based
subscription.</p>",
                "smithy.api#required": {}
            }
        },
         "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
                "smithy.api#documentation": "<p>The identity provider for the user.</p>",
                "smithy.api#required": {}
            }
        },
        "Domain": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The domain name of the  Active Directory that contains
information for the user to associate.</p>"
            }
        },
        "Tags": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
            "traits": {
                "smithy.api#documentation": "<p>The tags that apply for the user association.</p>"
            }
        }
    },
    "traits": {

  "smithy.api#input": {}
    }
  },
  "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
    "type": "structure",
    "members": {
        "InstanceUserSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
            "traits": {
                "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
```

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request couldn't be completed because it conflicted with the current state of the\n\t\t\tresource. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},

{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a network endpoint for the Remote Desktop Services (RDS) license server. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/CreateLicenseServerEndpoint"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest": {
"type": "structure",
"members": {
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the <code>IdentityProvider</code> resource that contains details \n\t\t\tabout a registered identity provider. In the case of Active Directory, that can be \n\t\t\ta self-managed Active Directory or an Amazon Web Services Managed Active Directory that contains user identity details. ",
"smithy.api#required": {}
}
},
"LicenseServerSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings",
"traits": {
"smithy.api#documentation": " The <code>LicenseServerSettings</code> resource to create for the endpoint. The \n\t\t\tsettings include the type of license server and the Secrets Manager secret that \n\t\t\tenables administrators to add or remove users associated with the \n\t\t\tlicense server. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply for the license server endpoint. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse":

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{
        "type": "structure",
        "members": {
          "IdentityProviderArn": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
            "traits": {
              "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider
specified in the request.</p>"
            }
          },
          "LicenseServerEndpointArn": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
            "traits": {
              "smithy.api#documentation": "<p>The ARN of the <code>LicenseServerEndpoint</code>
resource.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider": {
        "type": "union",
        "members": {
          "SecretsManagerCredentialsProvider":
{
            "target": "com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider",
            "traits": {
              "smithy.api#documentation": "<p>Identifies the Secrets Manager secret that contains credentials
needed for \n\t\t\tuser administration in the Active Directory.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Contains information about the credential provider for user
\n\t\t\tadministration.</p>"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse"
         },
        "errors": [
```

```
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

}
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes a <code>LicenseServerEndpoint</code> resource.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/license-server/DeleteLicenseServerEndpoint"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest": {
        "type": "structure",
        "members": {
            "LicenseServerEndpointArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the
<code>LicenseServerEndpoint</code> \n\t\t\tresource to delete.</p>",
                    "smithy.api#required": {}
                }
            },
             "ServerType": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
                "traits": {
                    "smithy.api#documentation": "<p>The type of License Server that the delete request refers to.</p>",
```

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse": {
"type": "structure",
"members": {
"LicenseServerEndpoint": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint",
"traits": {
"smithy.api#documentation": " Shows details from the <code>LicenseServerEndpoint</code> resource that was deleted. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deregisters the Active Directory identity provider from License Manager user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/DeregisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the Active Directory identity provider. "
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n "
}
},
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",

"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the identity provider to deregister. "
}
}
},
"traits": {
"smithy.api#input": {}

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        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
        "type": "structure",
        "members": {
            "IdentityProviderSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Directory":
 {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^(d|sd)-[0-9a-f]{10}$"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
             {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
```

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            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/DisassociateUser"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest":
 {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the Active Directory identity provider for the
user.</p>"
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance which provides user-based
subscriptions.</p>"
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the Active Directory identity
provider.</p>"

             }
            },
            "InstanceUserArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
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"smithy.api#documentation": " The Amazon Resource Name (ARN) of the user to disassociate from the EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains information for the user to disassociate. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings": {
"type": "structure",
"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " Contains a list of subnets that apply for the Active Directory domain. ",
"smithy.api#length": {
"min": 1
},
"smithy.api#required": {}

}
}
},
"traits": {

"smithy.api#documentation": " Contains network settings for the Active Directory domain. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#Filter": {
"type": "structure",
"members": {
"Attribute": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of an attribute to use as a filter. "
}
},
"Operation": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of search (For example, eq, geq, leq) "
}
},
"Value": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation":
" Value of the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used to return more specific results from a describe\n\t\t\tor list operation. You can use filters can be used to match a set of resources by specific \n\t\t\tcriteria, such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
"type": "union",
"members": {
"ActiveDirectoryIdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
"traits": {

"smithy.api#documentation": " The <code>ActiveDirectoryIdentityProvider</code> resource contains settings \n\t\t\tand other details about a specific Active Directory identity provider. "
}

```
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Refers to an identity provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>The <code>IdentityProvider</code> resource contains information
about \n\t\t\tan identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Settings": {

         "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
                "traits": {
                    "smithy.api#documentation": "<p>The <code>Settings</code> resource contains details about the
registered \n\t\t\tidentity providers product related configuration settings, such as the \n\t\t\tsubnets to provision VPC
endpoints.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of the identity provider.</p>",

        "smithy.api#required": {}
                }
            },
            "IdentityProviderArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider.</p>"
                }
            },
```

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            "FailureMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The failure message associated with an identity provider.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes an identity provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
         }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of an EC2 instance resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "Products": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
                "traits":
 {
                    "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
                    "smithy.api#required": {}
                }
            },
            "LastStatusCheckDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The date of the last status check.</p>"
                }
```

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            },
            "StatusMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {

  "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance that provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {

       "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>The <code>IdentityProvider</code> resource specifies details
\n\t\t\tabout the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
```

"traits": {
"smithy.api#documentation": " The status of a user associated with an EC2 instance. ",
"smithy.api#required": {}
}
},
"InstanceUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the instance user. "
}

},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for users of an EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains the user information for the product subscription. "
}
},
"AssociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was associated with an EC2 instance. "
}
},
"DisassociationDate": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The date a user was disassociated from an EC2 instance. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes users of an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
"type": "list",
"member": {

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        "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
    "type": "structure",
    "members": {
        "message": {
            "target": "smithy.api#String"
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
        "smithy.api#error": "server",
         "smithy.api#httpError": 500
    }
},
"com.amazonaws.licensemanagerusersubscriptions#IpV4": {
    "type": "string",
    "traits": {
        "smithy.api#pattern": "^(?:(25[0-5]|2[0-4][0-9]|1[0-9][0-9]|[1-9][0-9]|[0-9])(\\.(?!$)|$)){4}$"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#IpV4List": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#IpV4"
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"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
    "type": "service",
    "version": "2018-05-10",
    "operations": [
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            "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
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            "target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint"

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        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
        },
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    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
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        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
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        "target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints"
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        "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
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      "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource"
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    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#TagResource"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResource"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
     }
],
"traits": {
    "aws.api#service": {
        "sdkId": "License Manager User Subscriptions",
        "arnNamespace": "license-manager-user-subscriptions",
        "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
    },
    "aws.auth#sigv4": {
        "name": "license-manager-user-subscriptions"
    },
    "aws.protocols#restJson1": {},
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"smithy.api#cors": {
"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id",
"content-length",
"x-api-key",

"authorization",
"x-amz-date",
"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n\t\ta per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn":
"AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
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"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
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"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,

"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured
endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
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"fn": "isSet",
"argv": [
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"ref": "Endpoint"
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"fn": "booleanEquals",
"argv": [
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"ref": "UseFIPS"
},
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"type": "error"
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"conditions": [
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"fn": "booleanEquals",
"argv": [

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        "type": "error"
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                "assign": "PartitionResult"
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                                            "argv": [
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                                                    "ref": "PartitionResult"
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                                                "supportsFIPS"
                                            ]
                                        }
                                    ]
                                },

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                                    "argv": [
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                                "conditions": [],
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fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                    "properties": {},
                                    "headers": {}
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                                "type": "endpoint"
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                            "conditions": [],
                            "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
                            "type": "error"
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                    "type": "tree"
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                            "argv": [
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                                    "argv": [
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                                        "supportsFIPS"
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fips.{Region}.{PartitionResult#dnsSuffix}",
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                                "headers": {}
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                            "type": "endpoint"
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                    "type": "tree"
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                {
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                    "error": "FIPS is enabled but this partition does not support FIPS",
                    "type": "error"
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            "conditions": [
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                      "argv": [
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                          "argv": [
                            {
                              "ref": "PartitionResult"
                            },
                            "supportsDualStack"
                          ]
                        }

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                    }
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                  "rules": [
                    {
                      "conditions": [],
                      "endpoint": {
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subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
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                        "headers": {}
                      },
                      "type": "endpoint"
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                   "type": "tree"
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                {
                  "conditions": [],
                  "error": "DualStack is enabled but this partition does not support DualStack",
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subscriptions.{Region}.{PartitionResult#dnsSuffix}",
            "properties": {},
            "headers": {}
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        "type": "endpoint"
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"type": "tree"
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"type": "tree"
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"conditions": [],
"error": "Invalid Configuration: Missing Region",
"type": "error"
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"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint":
{
"url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
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"params": {
"Region": "us-east-1",
"UseFIPS": true,

"UseDualStack": false
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"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {

"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
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"params": {
"Region": "cn-north-1",
"UseFIPS": true,

"UseDualStack":
true
}
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{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
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"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
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{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url":
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}
},
"params": {
"Region": "cn-north-1",
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"params": {
"Region": "cn-north-1",
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"UseDualStack":
false
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {

"endpoint": {
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"params": {
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"expect": {
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"params": {
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"UseDualStack": false
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition
does not support one or both"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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"params": {
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"UseFIPS": true,
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
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"error": "DualStack is enabled but this partition does not support DualStack"
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"Region": "us-iso-east-1",
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"UseDualStack": true
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},

"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",

"expect": {
"endpoint": {
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}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,

"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"

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            }
        },
        "params": {
            "Region": "us-isob-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
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        "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
        "expect": {
            "endpoint": {

                "url": "https://example.com"
            }
        },
        "params": {
            "Region": "us-east-1",
            "UseFIPS": false,
            "UseDualStack": false,
            "Endpoint": "https://example.com"
        }
    },
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        "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
        "expect": {
            "endpoint": {
                "url": "https://example.com"
            }
        },
        "params": {
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            "UseDualStack": false,
            "Endpoint":
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        }
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        "documentation": "For custom endpoint with fips enabled and dualstack disabled",
        "expect": {
            "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
        },
        "params": {
            "Region": "us-east-1",
            "UseFIPS": true,
            "UseDualStack": false,
            "Endpoint": "https://example.com"
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                }
            },
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                "documentation": "For custom endpoint with fips disabled and dualstack enabled",
                "expect": {
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not supported"
                },
                "params": {
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                    "UseFIPS": false,
                    "UseDualStack": true,
                    "Endpoint": "https://example.com"
                }
            },
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                "documentation": "Missing region",
                "expect": {
                    "error": "Invalid Configuration: Missing Region"
                }
            }
        ],
        "version": "1.0"
    }
  }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServer": {
    "type": "structure",
    "members": {
        "ProvisioningStatus": {
            "target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
            "traits": {
                "smithy.api#documentation": "<p>The current state of the provisioning process for the RDS
\n\t\t\tlicense server.</p>"
            }
        },
        "HealthStatus": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus",
            "traits": {
                "smithy.api#documentation": "<p>The health status of the RDS license server.</p>"
            }
        },
        "Ipv4Address": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>A list of domain IPv4 addresses that are used for the RDS
\n\t\t\tlicense server.</p>"
```

```
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Information about a Remote Desktop Services (RDS) license
 server.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint": {
        "type": "structure",
        "members": {
            "IdentityProviderArn": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider that's
associated with \n\t\t\tthe RDS license server endpoint.</p>"
                }
            },
            "ServerType": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
                "traits": {
                    "smithy.api#documentation": "<p>The type of license server.</p>"
                }
            },
            "ServerEndpoint": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint",
                "traits": {
                    "smithy.api#documentation":
 "<p>The <code>ServerEndpoint</code> resource contains the network \n\t\t\taddress of the RDS license server
endpoint.</p>"
                }
            },
            "StatusMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The message associated with the provisioning status, if there is
one.</p>"
                }
            },
            "LicenseServerEndpointId": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the license server endpoint.</p>"
                }
            },
            "LicenseServerEndpointArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
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"smithy.api#documentation":
" The ARN of the <code>ServerEndpoint</code> resource for the RDS \n\t\t\tlicense server. "
}
},
"LicenseServerEndpointProvisioningStatus": {
"target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
"traits": {
"smithy.api#documentation": " The current state of the provisioning process for the RDS license
\n\t\t\tserver endpoint "
}
},
"LicenseServers": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerList",
"traits": {
"smithy.api#documentation": " An array of <code>LicenseServer</code> resources that represent
the \n\t\t\tlicense servers that are accessed through this endpoint. "
}
},
"CreationTime": {

"target": "smithy.api#Timestamp",
"traits": {
"smithy.api#documentation": " The timestamp when License Manager created the license server
endpoint. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains details about a network endpoint for a Remote Desktop
Services (RDS) \n\t\t\tlicense server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId": {
"type": "string"
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint"
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"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus": {
"type": "string",
"traits":
{
"smithy.api#enum": [
{

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            "name": "PROVISIONING",
            "value": "PROVISIONING",
            "documentation": ""
          },
          {
            "name": "PROVISIONING_FAILED",
            "value": "PROVISIONING_FAILED",
            "documentation": ""
          },
          {
            "name": "PROVISIONED",
            "value": "PROVISIONED",
            "documentation": ""
          },
          {
            "name": "DELETING",
            "value": "DELETING",
            "documentation": ""
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          {
            "name": "DELETION_FAILED",
            "value": "DELETION_FAILED",
            "documentation": ""
          },
          {
             "name": "DELETED",
            "value": "DELETED",
            "documentation": ""
          }
        ]
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus": {
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      "traits": {
        "smithy.api#enum": [
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            "name": "HEALTHY",
            "value": "HEALTHY",
            "documentation": ""
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          {
            "name": "UNHEALTHY",
            "value": "UNHEALTHY",
            "documentation": ""
          },
          {
            "name": "NOT_APPLICABLE",
```

"value": "NOT_APPLICABLE",
"documentation": ""
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerList":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServer"
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings": {
"type": "structure",
"members": {
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of license server. ",
"smithy.api#required": {}
}
},
"ServerSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerSettings",
"traits": {
"smithy.api#documentation": " The <code>ServerSettings</code> resource contains the settings for your \n\t\t\tserver. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The settings to configure your license server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the Active Directory identity providers for user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/ListIdentityProviders"
            },

         "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "IdentityProviderSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
        "type": "structure",
        "members": {
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
                }
            },
            "Filters": {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n
\n \n Product \n \n \n DirectoryId \n
\n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse": {
"type": "structure",
"members": {
"IdentityProviderSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
"traits": {

"smithy.api#documentation": " An array of <code>IdentityProviderSummary</code> resources that
contain \n\t\t\tdetails about the Active Directory identity providers that meet the request criteria. ",
"smithy.api#required": {}
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the EC2 instances providing user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/instance/ListInstances"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
"type": "structure",
"members": {
"MaxResults": {

"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Status \n \n \n InstanceId \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
"type": "structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
"traits": {
"smithy.api#documentation": " An array of <code>InstanceSummary</code> resources that contain details \n\t\t\tabout the instances that provide user-based subscriptions and also meet the \n\t\t\trequest criteria. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}

```
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>List the Remote Desktop Services (RDS) License Server endpoints
</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/license-server/ListLicenseServerEndpoints"
            },
            "smithy.api#paginated": {

            "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "LicenseServerEndpoints"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest": {
```

"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. ",
"smithy.api#range": {
"min": 1,
"max": 100
}
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n IdentityProviderArn \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse": {
"type": "structure",
"members": {
"LicenseServerEndpoints": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList",
"traits": {
"smithy.api#documentation": " An array of <code>LicenseServerEndpoint</code> resources that \n\t\t\tcontain detailed information about the RDS License Servers that meet \n\t\t\tthe request criteria. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the

next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the user-based subscription products available from an identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListProductSubscriptions"
},

"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "ProductUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
"type":
"structure",
"members": {
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n
Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
"
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {

"smithy.api#documentation": " The maximum number of results to return from a single
request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n
\n \n Status \n \n \n Username \n
\n \n Domain \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken

\n\tfrom a previously truncated response. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
"type": "structure",
"members": {
"ProductUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to
retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},

```
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

        }
          ],
          "traits": {
            "smithy.api#documentation": "<p>Returns the list of tags for the specified resource.</p>",
            "smithy.api#http": {
                "method": "GET",
                "uri": "/tags/{ResourceArn}"
            },
            "smithy.api#readonly": {}
          }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest": {
          "type": "structure",
          "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource whose tags
you want to retrieve.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            }
          },
          "traits": {

    "smithy.api#input": {}
          }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse": {
          "type": "structure",
          "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The tags for the specified resource.</p>"
                }
            }
          },
          "traits": {
            "smithy.api#output": {}
          }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
          "type": "operation",
```

```
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits":
{
            "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/ListUserAssociations"
            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "InstanceUserSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
        "type": "structure",
        "members": {
```

"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required":
{}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Status \n \n \n Username \n \n \n Domain \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
"type": "structure",
"members": {
"InstanceUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",

"traits": {
"smithy.api#documentation": " Metadata that describes the list user association operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The user name from the identity provider for this product user. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The status of a product for this user. ",

"smithy.api#required": {}
}
},
"ProductUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) for this product user. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for a product for this user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains the user information for the product subscription. "
}
},
"SubscriptionStartDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The start date of a subscription. "
}
},
"SubscriptionEndDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The end date of a subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " A summary of the user-based subscription products for a specific user. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings": {
"type": "structure",

"members": {
"RdsSalCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
"traits": {
"smithy.api#documentation": " The <code>CredentialsProvider</code> resource contains a reference to \n\t\t\tthe credentials provider that's used for RDS license server user administration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Server settings that are specific to a Remote Desktop Services (RDS) license server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
"type":
"operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {

"smithy.api#documentation": " Registers an identity provider for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/RegisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider to register. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration \n\t\t\tsettings such as the subnets to provision VPC endpoints. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply to the identity provider's registration. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},

"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,510})/([a-z0-9-\\.]{1,510})$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The resource couldn't be found. ",
"smithy.api#error": "client",
"smithy.api#httpError": 404
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider": {
"type": "structure",
"members": {
"SecretId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the Secrets Manager secret that contains credentials. ",
"smithy.api#length": {
"min": 1

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                }
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Contains a credentials secret that's stored in Secrets Manager.</p>"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 5,
            "max": 200
        },
        "smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint": {
    "type": "structure",
    "members": {
        "Endpoint": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The network address of the endpoint.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>A network endpoint through which you can access one or more
servers.</p>"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ServerSettings": {
    "type": "union",
    "members": {
        "RdsSalSettings": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings",
            "traits": {
                "smithy.api#documentation": "<p>The <code>RdsSalSettings</code> resource
 contains settings to configure \n\t\t\ta specific Remote Desktop Services (RDS) license server.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Contains settings for a specific server.</p>"
    }
},
```

"com.amazonaws.licensemanagerusersubscriptions#ServerType": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "RDS_SAL",
"value": "RDS_SAL",
"documentation": ""
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation":
" The request failed because a service quota is exceeded. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Settings": {
"type": "structure",
"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The subnets defined for the registered identity provider. ",
"smithy.api#length": {
"min": 1
},
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound
TCP port 1688 communication between resources in\n\t\t\tyour VPC and the VPC endpoint for activation
servers. ",
"smithy.api#required": {}
}
}
},

"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings such as the\n\t\t\tsubnets to provision VPC endpoints, and the security group ID that is associated with the VPC\n\t\t\tendpoints. The security group should permit inbound TCP port 1688 communication from resources\n\t\t\tin the VPC. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Starts a product subscription for a user with the specified identity provider. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your\n\t\t\t\tmonthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",

"uri": "/user/StartProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
"type":
"structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n
Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code>
| <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains the user
for whom to start the product \n\t\t\tsubscription. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply to the product subscription. "
}
}
},
"traits": {
"smithy.api#input": {}

```
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse":
 {
        "type": "structure",
        "members": {
            "ProductUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
        },

 "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],

"traits": {
"smithy.api#documentation": " Stops a product subscription for a user with the specified identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StopProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. "
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. "
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n "
}
},
"ProductUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the product user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The
domain name of the Active Directory that contains the user for whom to stop the product \n\t\t\tsubscription. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription
operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Subnet": {
"type": "string",
"traits": {
"smithy.api#pattern": "^subnet-[a-z0-9]{8,17}"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Subnets": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
}
},
"com.amazonaws.licensemanagerusersubscriptions#TagKeyList": {
"type": "list",
"member": {
"target": "smithy.api#String"
},

"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#TagResource": {

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Adds tags to a resource. ",
"smithy.api#http": {
"method": "PUT",
"uri": "/tags/{ResourceArn}"
},

"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource that you want to tag. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}

```
            }
          },
          "Tags": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
            "traits": {
              "smithy.api#documentation": "<p>The tags to apply to the specified resource.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits":
{
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#Tags": {
        "type": "map",
        "key": {
          "target": "smithy.api#String"
        },
        "value": {
          "target": "smithy.api#String"
        },
        "traits": {
          "smithy.api#length": {
            "min": 0,
            "max": 50
          },
          "smithy.api#sensitive": {}
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
          "message": {
            "target": "smithy.api#String"
          }

       },
        "traits": {
          "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the
```

request. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#UntagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
}
],
"traits": {
"smithy.api#documentation": " Removes
tags from a resource. ",
"smithy.api#http": {
"method": "DELETE",
"uri": "/tags/{ResourceArn}"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource that you want
to remove tags from. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanagerusersubscriptions#TagKeyList",
"traits": {

"smithy.api#documentation": " The tag keys to remove from the resource. ",
"smithy.api#httpQuery": "tagKeys",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates additional product configuration settings for the registered identity\n\t\t\tprovider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/UpdateIdentityProviderSettings"
},
"smithy.api#idempotent": {}

```
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider"
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
                }
            },
            "IdentityProviderArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the
 identity provider to update.</p>"
                }
            },
            "UpdateSettings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
                "traits": {
                    "smithy.api#documentation": "<p>Updates the registered identity providers product related
configuration settings. You can\n\t\t\tupdate any combination of settings in a single operation such as the:</p>\n
<ul>\n            <li>\n                <p>Subnets which you want to add to provision VPC endpoints.</p>\n            </li>\n
        <li>\n                <p>Subnets which you want to remove the VPC endpoints from.</p>\n            </li>\n
<li>\n                <p>Security group ID which permits traffic to the VPC endpoints.</p>\n            </li>\n        </ul>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {

  "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
        "type": "structure",
        "members": {
            "IdentityProviderSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
                "traits": {
                    "smithy.api#required": {}
```

```
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
        "type": "structure",
        "members": {
            "AddSubnets": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of one or more subnets in which License Manager will
create a VPC endpoint
 for products that\n\t\t\trequire connectivity to activation servers.</p>",
                    "smithy.api#required": {}
                }
            },
            "RemoveSubnets": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of one or more subnets to remove.</p>",
                    "smithy.api#required": {}
                }
            },
            "SecurityGroupId": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
                "traits": {
                    "smithy.api#documentation": "<p>A security group ID that allows inbound TCP port 1688
communication between resources in\n\t\t\tyour VPC and the VPC endpoints for activation servers.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>Updates the registered identity providers product related configuration settings such as\n\t\t\tthe subnets to
provision VPC endpoints.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
```

```
            "smithy.api#documentation": "<p>A parameter is not valid.</p>",
            "smithy.api#error": "client"
          }
        }
    }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
```

```
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack,
 options, "ListLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
```

```
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
```

```
err != nil {
 return err
 }
 if err = addRecursionDetection(stack); err != nil {
 return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
 return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
 return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
 return err
 }
 if err = addSpanInitializeEnd(stack); err != nil
 {
 return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
 return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "ListLicenses",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
```

```
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
```

```
 Entitlements []types.Entitlement

 // Home Region for the license.
 //
 // This member is required.
 HomeRegion *string

 // License issuer.
 //
 // This member is required.
 Issuer *types.Issuer

 // License name.
 //
 // This member is required.
 LicenseName *string

 // Product name.
 //
 // This member is required.
 ProductName *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // Date and time range during which the license is valid, in ISO8601-UTC format.
 //
 // This member is required.
 Validity *types.DatetimeRange

 // Information about
 the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
```

```
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if
 err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
```

```
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err
 = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
```

```
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack);
 err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }
```

```
 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
```

```
if err = addClientRequestID(stack); err != nil {
 return err
}
if
err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if
err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
```

```
middleware.Before); err != nil {
 return err
 }
 if err = addRecursionDetection(stack); err != nil {
 return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
 return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
 return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
 return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
 return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
 return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
 }
}
ListLicenses
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  spanInitializeEnd
```

```
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
```

```
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
```

```
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err
!= nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options);
 err != nil {
  return err
 }
 if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}
```

```
func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
CheckoutLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
```

RequestResponseLogger
DisassociateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AssociateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger

```
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

```
// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata
```

```
 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
```

```
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
if err != nil {
 return
err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
```

```
 return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options);
 err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}
```

```
func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
CheckInLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
```

RecordResponseTiming
RequestResponseLogger
AWS SDK for Go
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ListReceivedLicenses
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string
```

```
 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err !=
 nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
```

```
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err
 != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
```

```
 return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if
 err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
CreateLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
```

ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "shapes": {
      "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
          "type": "integer"
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
          "type": "long"
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
          "type": "operation",
          "input": {
              "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
          },
          "output": {
              "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
          },
          "errors": [
              {
                  "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
              },
              {
                  "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
              },

      {
                  "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
              },
              {
                  "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
```

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions \n\t\t\tregistered to your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/DeregisterSubscriptionProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the subscription provider resource to deregister.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The type of name to filter by.</p>"
                }
            },
            "Values": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                "traits": {
```

"smithy.api#documentation": " One or more values for the name to filter by. "
}
},
"Operator": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
"traits": {
"smithy.api#documentation": " An operator for filtering results. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Get details for a Bring Your Own License (BYOL) subscription that's registered to your account. ",

"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetRegisteredSubscriptionProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation":
" The Amazon Resource Name (ARN) of the BYOL registration resource to get details for. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) for the BYOL registration
resource specified in the request. "
}
},
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

"traits": {
"smithy.api#documentation": " The subscription provider for the BYOL registration resource
specified \n\t\t\tin the request. "
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the third-party access
secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request. "
}

```
            },
            "SubscriptionProviderStatus": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
                "traits": {
                    "smithy.api#documentation": "<p>The status of the Linux subscription provider access token from the
last \n\t\t\tsuccessful subscription data request.</p>"
                }
            },
            "SubscriptionProviderStatusMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The detailed message from your subscription provider token
status.</p>"
                }
            },
            "LastSuccessfulDataRetrievalTime": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The timestamp from the last time License Manager retrieved
subscription details \n\t\t\tfrom your registered third-party Linux subscription provider.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
        "type": "operation",
        "input": {
            "target":
 "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
```

"smithy.api#documentation": " Lists the Linux subscriptions service settings for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetServiceSettings"

},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
"type": "structure",
"members": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " Lists
the settings defined for Linux subscriptions discovery. The settings include if\n Organizations integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}
},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",

"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
"type": "structure",
"members": {
"AmiId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The AMI ID used to launch the instance. "
}
},
"InstanceID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The instance ID of the resource. "
}
},
"InstanceType": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The instance type of the resource. "
}
},
"AccountID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The account ID which owns the instance. "
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the instance. "
}
},
"Region": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {

"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},
"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the license subscription that the instance uses. "
}
},
"OsVersion": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The operating system software version that runs on your instance. "
}
},
"SubscriptionProviderCreateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp when you registered the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses. "
}
},
"SubscriptionProviderUpdateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that the instance synced with the

registered \n\t\t\tthird-party Linux subscription provider. "
}
},
"DualSubscription": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Indicates that you have two different license subscriptions for \n\t\t\tthe same software on your instance. "
}
},
"RegisteredWithSubscriptionProvider": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " Indicates that your instance uses a BYOL license subscription from \n\t\t\ta third-party Linux subscription provider that you've registered with License Manager. "
}
}
},
"traits": {
"smithy.api#documentation": " Details discovered information about a running instance using Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation":
" An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
"type": "service",
"version": "2018-05-10",
"operations": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
}
],
"traits": {
"aws.api#service": {
"sdkId": "License Manager Linux Subscriptions",
"arnNamespace": "license-manager-linux-subscriptions",
"cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
},
"aws.auth#sigv4": {
"name": "license-manager-linux-subscriptions"
},
"aws.protocols#restJson1": {},
"smithy.api#cors": {
"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",

"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager,
you can discover and track your commercial Linux subscriptions on running\n Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
},
"rules": [
{
"conditions": [

```
                {
                  "fn": "isSet",
                  "argv": [
                    {
                      "ref": "Endpoint"
                    }
                  ]
                }
              ],
              "rules": [
                {
                  "conditions": [
                    {
                      "fn": "booleanEquals",
                      "argv": [
                        {
                          "ref": "UseFIPS"
                        },
                        true
                      ]
                    }

        ],
                  "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                  "type": "error"
                },
                {
                  "conditions": [],
                  "rules": [
                    {
                      "conditions": [
                        {
                          "fn": "booleanEquals",
                          "argv": [
                            {
                              "ref": "UseDualStack"
                            },
                            true
                          ]

}
                      ],
                      "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                      "type": "error"
                    },
                    {
                      "conditions": [],
                      "endpoint": {
```

```
                "url": {
                    "ref": "Endpoint"
                },
                "properties": {},
                "headers": {}
            },
            "type": "endpoint"
        }
    ],
    "type": "tree"

  }
  ],
  "type": "tree"
},
{
  "conditions": [],
  "rules": [
    {
      "conditions": [
        {
          "fn": "isSet",
          "argv": [
            {
              "ref": "Region"
            }
          ]
        }
      ],
      "rules": [
        {
          "conditions": [
            {

  "fn": "aws.partition",
              "argv": [
                {
                  "ref": "Region"
                }
              ],
              "assign": "PartitionResult"
            }
          ],
          "rules": [
            {
              "conditions": [
                {
                  "fn": "booleanEquals",
```

```
                "argv": [
                  {

            "ref": "UseFIPS"
                  },
                  true
                ]
              },
              {
                "fn": "booleanEquals",
                "argv": [
                  {
                    "ref": "UseDualStack"
                  },
                  true
                ]
              }

],
              "rules": [
              {
                "conditions": [
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      true,
                      {
                        "fn": "getAttr",
                        "argv": [
                          {
                            "ref": "PartitionResult"

        },
                          "supportsFIPS"
                        ]
                      }
                    ]
                  },
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      true,
                      {
                        "fn": "getAttr",
                        "argv": [

                       {
                            "ref": "PartitionResult"
```

```
                                                    },
                                                    "supportsDualStack"
                                                ]
                                            }
                                        ]
                                    }
                                ],
                                "rules": [
                                    {
                                        "conditions": [],

        "rules": [
                                            {
                                                "conditions": [],
                                                "endpoint": {
                                                    "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                                    "properties": {},
                                                    "headers": {}
                                                },
                                                "type": "endpoint"
                                            }
                                        ],

                        "type": "tree"
                                    }
                                ],
                                "type": "tree"
                            },
                            {
                                "conditions": [],
                                "error": "FIPS and DualStack are enabled, but this partition does not support
one or both",
                                "type": "error"
                            }
                        ],
                        "type": "tree"
                    },
                    {

            "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    {
                                        "ref": "UseFIPS"
                                    },
                                    true
```

```
                    ]
                }
            ],
            "rules": [
                {
                    "conditions": [
                        {

"fn": "booleanEquals",
                            "argv": [
                                {
                                    "fn": "getAttr",
                                    "argv": [
                                        {
                                            "ref": "PartitionResult"
                                        },
                                        "supportsFIPS"
                                    ]
                                },
                                true

                    ]
                        }
                    ],
                    "rules": [
                        {
                            "conditions": [],
                            "rules": [
                                {
                                    "conditions": [],
                                    "endpoint": {
                                        "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",

  "properties": {},
                                        "headers": {}
                                    },
                                    "type": "endpoint"
                                }
                            ],
                            "type": "tree"
                        }
                    ],
                    "type": "tree"
                },
                {
                    "conditions": [],
                    "error": "FIPS is enabled
```

but this partition does not support FIPS",
"type": "error"
}
],
"type": "tree"
},
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseDualStack"
},
true

]
}
],
"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
true,
{
"fn": "getAttr",
"argv": [
{

"ref": "PartitionResult"
},
"supportsDualStack"
]
}
]
}
],
"rules": [
{
"conditions": [],
"rules": [

{
"conditions": [],
"endpoint": {
"url": "https://license-manager-linux-

subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
],
"type": "tree"

}
],
"type": "tree"
},
{
"conditions": [],
"error": "DualStack is enabled but this partition does not support DualStack",
"type": "error"
}
],
"type": "tree"
},
{
"conditions": [],
"rules": [
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
],
"type": "tree"
}
],
"type": "tree"
}
],
"type": "tree"
},
{
"conditions": [],
"error": "Invalid Configuration: Missing Region",
"type": "error"
}

```
            ],
            "type": "tree"
        }
    ]
},
"smithy.rules#endpointTests": {
    "testCases": [
        {
            "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"

    }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": true
            }
        },
        {
            "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": false
            }
        },
        {

     "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": true
            }
        },
```

{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{

"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}

```
      },
      "params": {
        "Region": "cn-north-1",
        "UseFIPS": false,
        "UseDualStack": true
      }
    },
    {
      "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
        }
      },
      "params": {
        "Region": "cn-north-1",
        "UseFIPS": false,
        "UseDualStack": false
      }
    },
    {

"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
        }
      },
      "params": {
        "Region": "us-gov-east-1",
        "UseFIPS": true,
        "UseDualStack": true
      }
    },
    {
      "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
        }

     },
      "params": {
        "Region": "us-gov-east-1",
        "UseFIPS": true,
        "UseDualStack": false
      }
    },
```

{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {

"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",

"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS":
false,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
}
},

"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack

disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{

"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {

"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
      "type": "string",
      "traits": {
        "smithy.api#enum": [
          {
            "name": "Enabled",
            "value": "Enabled",
            "documentation": "Enabled LinuxSubscriptionsDiscovery"

     },
          {
            "name": "Disabled",
            "value": "Disabled",
            "documentation": "Disabled LinuxSubscriptionsDiscovery"
          }
        ]
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
      "type": "structure",
      "members": {
        "SourceRegions": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
          "traits": {
            "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
            "smithy.api#required": {}
          }
        },
        "OrganizationIntegration": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
          "traits": {
            "smithy.api#documentation":
 "<p>Details if you have enabled resource discovery across your accounts in Organizations.</p>",
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
      },
```

"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptionInstances"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Instances"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results by your specified criteria. \n \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the \n \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n \t<code>Value</code>, such as <code>us-west</code>. \n For each filter, you can specify one of the following values for the <code>Name</code> key \n \tto streamline results: \n \n \n \n <code>AccountID</code>\n \n \n \n \n <code>AmiID</code>\n \n \n \n \n <code>DualSubscription</code>\n \n \n \n \n <code>InstanceID</code>\n \n \n \n \n

```
<code>InstanceType</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>ProductCode</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>Region</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>Status</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>UsageOperation</code>\n            </p>\n          </li>\n        </ul>\n        <p>For each filter, you can use
one of the following <code>Operator</code>
 values to \n  \t\tdefine the behavior of the filter:</p>\n        <ul>\n          <li>\n            <p>\n
<code>contains</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>equals</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>Notequal</code>\n            </p>\n          </li>\n        </ul>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to
 start paginating. This \n\tis the nextToken from a previously truncated response.</p>",
                    "smithy.api#length": {
                        "min": 1,
                        "max": 16384
                    }
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
        "type": "structure",
        "members": {
            "Instances": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
                "traits": {
                    "smithy.api#documentation": "<p>An array that contains instance objects.</p>"
                }
            },
            "NextToken": {

        "target": "smithy.api#String",
                "traits": {
```

"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptions"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",

"items": "Subscriptions"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
"type": "structure",
"members": {

"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't match a certain subscription's name. \n The valid names for this filter are: \n \n \n \n <code>Subscription</code>\n \n \n \n The valid Operators for this filter are: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
"type": "structure",
"members": {
"Subscriptions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
"traits": {
"smithy.api#documentation": " An array that contains subscription objects. "
}
},
"NextToken": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List Bring Your Own License (BYOL) subscription registration resources for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListRegisteredSubscriptionProviders"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "RegisteredSubscriptionProviders"
}
}

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSources": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
                "traits": {
                    "smithy.api#documentation": "<p>To filter your results, specify which subscription providers to
return \n\t\t\tin the list.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>",
                    "smithy.api#range": {
                        "min": 1,
                        "max": 100
                    }
                }

  },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis the
nextToken from a previously truncated response.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
        "type": "structure",
        "members": {
            "RegisteredSubscriptionProviders": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
                "traits": {
                    "smithy.api#documentation": "<p>The list of BYOL registration resources that fit the criteria
\n\t\t\tyou specified in the request.</p>"
                }
            },

           "NextToken": {
                "target": "smithy.api#String",
                "traits": {
```

"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List the metadata tags that are assigned to the \n\t\t\tspecified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "GET",
"uri": "/tags/{resourceArn}"
},
"smithy.api#readonly": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource for which to list metadata tags. ",

```
            "smithy.api#httpLabel": {},
            "smithy.api#required": {}
        }
    }
  },
  "traits": {
    "smithy.api#input": {}
  }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
  "type": "structure",
  "members": {
    "tags": {
      "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
      "traits": {
        "smithy.api#documentation": "<p>The metadata tags for the requested resource.</p>"
      }
    }
  },
  "traits": {
    "smithy.api#output": {}
  }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
  "type": "string",
  "traits": {
    "smithy.api#enum": [
      {
        "name": "EQUAL",
        "value": "Equal",
        "documentation": "Equal operator"
      },
      {
        "name": "NOT_EQUAL",
        "value": "NotEqual",
        "documentation": "Not equal operator"
      },
      {
        "name": "CONTAINS",
        "value": "Contains",
        "documentation": "Contains operator"
      }
    ],
    "smithy.api#length": {
      "min": 1,
      "max": 20
    }
  }
```

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "Enabled",
                    "value": "Enabled",
                    "documentation": "Enabled OrganizationIntegration"
                },
                {
                    "name": "Disabled",
                    "value": "Disabled",
                    "documentation": "Disabled OrganizationIntegration"
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
        "type": "list",
        "member": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
         },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Register the supported third-party subscription provider for your Bring
Your Own License (BYOL) subscription.</p>",
            "smithy.api#http": {
```

"code": 200,
"method": "POST",
"uri": "/subscription/RegisterSubscriptionProvider"

},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " The supported Linux subscription provider to register. ",
"smithy.api#required": {}
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the secret where you've stored your subscription provider's access token. For \n\t\t\tRHEL subscriptions managed through the Red Hat Subscription Manager (RHSM), the secret contains \n\t\t\tyour Red Hat Offline token. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to your registered Linux subscription provider \n\t\t\tresource. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " The Linux subscription provider that you registered. "
}

```
            },
            "SubscriptionProviderArn": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
                }
            },
            "SubscriptionProviderStatus": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of the registration action for the Linux
subscription provider \n\t\t\tthat you requested.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider":
 {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
                }
            },
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation": "<p>A supported third-party Linux subscription provider. License
Manager currently supports \n\t\t\tRed Hat subscriptions.</p>"
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                 "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Secrets Manager secret
that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is
the offline token.</p>"
                }
            },
            "SubscriptionProviderStatus": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
```

"traits": {
"smithy.api#documentation": " Indicates the status of your registered Linux subscription provider access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions, \n\t\t\tthis is the status of the offline token. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " A detailed message that's associated with your BYOL subscription \n\t\t\tprovider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that License Manager accessed third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#documentation": " A third-party provider for operating system (OS) platform software and license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider, License Manager can get subscription data from the registered provider. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " Unable to find the requested Amazon Web Services resource. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {

"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-\\.]{0,63}:secret:[^/]{1,1023}$"

}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "InProgress",
"value": "InProgress",
"documentation": "InProgress status"
},
{
"name": "Completed",
"value": "Completed",
"documentation": "Completed status"
},
{
"name": "Successful",
"value": "Successful",
"documentation": "Successful status"
},
{
"name": "Failed",
"value": "Failed",
"documentation": "Failed status"
}
]
}
},

"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}
}
},
"traits": {
"smithy.api#length": {

"min": 1,
"max": 100
},
"smithy.api#uniqueItems": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
"type": "structure",
"members": {
"Name":
{
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the subscription. "
}
},
"Type": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS. "
}
},
"InstanceCount": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
"traits": {
"smithy.api#documentation": " The total amount of running instances using this subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " An object which details a discovered Linux subscription. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
"type": "list",

"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
"type": "string",
"traits": {
"smithy.api#enum": [

{
"name": "RedHat",
"value": "RedHat",
"documentation": "RedHat subscription provider namespace"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "ACTIVE",
"value": "ACTIVE",
"documentation": "ACTIVE status"
},
{
"name": "INVALID",
"value": "INVALID",

"documentation": "INVALID status"
},
{
"name": "PENDING",
"value": "PENDING",

"documentation": "PENDING status"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
"type": "list",
"member": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Add metadata tags to the specified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "PUT",
"uri": "/tags/{resourceArn}"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {

"type": "structure",
"members":
{
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to which to add the specified \n\t\t\tmetadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to the Amazon Web Services resource. Tags are \n\t\t\tformatted as key value pairs. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
      "type": "structure",
      "members": {
        "message": {
          "target": "smithy.api#String"
        }
      },
      "traits": {
        "smithy.api#documentation":
 "<p>The request was denied due to request throttling.</p>",
        "smithy.api#error": "client"
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
        },
        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
        }
      ],
      "traits": {
        "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web
Services resource.</p>",
         "smithy.api#http": {
          "method": "DELETE",
          "uri": "/tags/{resourceArn}"
        },
        "smithy.api#idempotent": {}
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
      "type": "structure",
      "members": {
        "resourceArn": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
          "traits": {
            "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to remove the metadata tags from.</p>",
```

"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"tagKeys": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
"traits": {

"smithy.api#documentation": " A list of metadata tag keys to remove from the requested \n\t\t\tresource. ",
"smithy.api#httpQuery": "tagKeys",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"

},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates the service settings for Linux subscriptions. ",

```
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/UpdateServiceSettings"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
                    "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
                    "smithy.api#required": {}
                }
            },
            "LinuxSubscriptionsDiscoverySettings": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
                "traits": {
                    "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The
settings include if Organizations\n      integration has been enabled, and which Regions data will be aggregated
from.</p>",
                    "smithy.api#required": {}
                }
            },
            "AllowUpdate": {
                "target":
 "smithy.api#Boolean",
                "traits": {
                    "smithy.api#documentation": "<p>Describes if updates are allowed to the service settings for Linux
subscriptions. If you\n      allow updates, you can aggregate Linux subscription data in more than one home
Region.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
                    "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
                }
            },
            "LinuxSubscriptionsDiscoverySettings": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}

},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The provided input is not valid. Try your request again. ",
"smithy.api#error": "client"
}
}
}
}
GetLicense
Initialize stack step
spanInitializeStart

RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckoutBorrowLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart

setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger

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```
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}
```

```
type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
```

```
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
```

```
 return err
 }
 if err = addTimeOffsetBuild(stack,
 c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err !=
 nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
```

```
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
```

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// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
```

```
 return nil, err
}

out := result.(*ListReceivedLicensesOutput)
out.ResultMetadata = metadata
return out, nil
}

type ListReceivedLicensesInput struct {

// Filters to scope the results. The following filters are supported:
//
//   - ProductSKU
//
//   - Status
//
//
  - Fingerprint
//
//   - IssuerName
//
//   - Beneficiary
Filters []types.Filter

// Amazon Resource Names (ARNs) of the licenses.
LicenseArns []string

// Maximum number of results to return in a single call.
MaxResults *int32

// Token for the next set of results.
NextToken *string

noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

// Received license details.
Licenses []types.GrantedLicense

// Token for the next set of results.
NextToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

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```

```
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
```

```
 return err
}
if err =
addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err !=
nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
```

```
 return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
DeleteLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
```

AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "metadata": {
    "suppressions": [
      {
        "id": "HttpMethodSemantics",
        "namespace": "*"
      },
      {
        "id": "HttpResponseCodeSemantics",
        "namespace": "*"
      },
      {
        "id": "PaginatedTrait",
        "namespace": "*"
      },
      {
        "id": "HttpHeaderTrait",
        "namespace": "*"
      },
      {
        "id": "HttpUriConflict",
        "namespace": "*"
      },
      {
        "id": "Service",
        "namespace": "*"
      }
    ]
  },
  "shapes": {
    "com.amazonaws.licensemanager#AWSLicenseManager": {
      "type": "service",
      "version": "2018-08-01",
      "operations": [
        {
          "target": "com.amazonaws.licensemanager#AcceptGrant"
        },
```

{
"target": "com.amazonaws.licensemanager#CheckInLicense"
},
{
"target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
},
{
"target": "com.amazonaws.licensemanager#CheckoutLicense"
},
{
"target": "com.amazonaws.licensemanager#CreateGrant"
},
{
"target": "com.amazonaws.licensemanager#CreateGrantVersion"
},
{
"target": "com.amazonaws.licensemanager#CreateLicense"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseVersion"
},
{
"target": "com.amazonaws.licensemanager#CreateToken"
},
{
"target": "com.amazonaws.licensemanager#DeleteGrant"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicense"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#DeleteToken"
},

{
"target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

},
{
"target": "com.amazonaws.licensemanager#GetAccessToken"
},
{
"target": "com.amazonaws.licensemanager#GetGrant"
},
{
"target": "com.amazonaws.licensemanager#GetLicense"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseUsage"
},
{
"target": "com.amazonaws.licensemanager#GetServiceSettings"
},
{
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#ListDistributedGrants"
},
{
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
},
{
"target": "com.amazonaws.licensemanager#ListLicenses"

```
},
{
   "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
},
{

  "target": "com.amazonaws.licensemanager#ListLicenseVersions"
},
{
   "target": "com.amazonaws.licensemanager#ListReceivedGrants"
},
{
   "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
},
{
   "target": "com.amazonaws.licensemanager#ListReceivedLicenses"
},
{
   "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
},
{
   "target": "com.amazonaws.licensemanager#ListResourceInventory"
},
{
   "target": "com.amazonaws.licensemanager#ListTagsForResource"
},
{
   "target": "com.amazonaws.licensemanager#ListTokens"
},
{
   "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
 },
{
   "target": "com.amazonaws.licensemanager#RejectGrant"
},
{
   "target": "com.amazonaws.licensemanager#TagResource"
},
{
   "target": "com.amazonaws.licensemanager#UntagResource"
},
{
   "target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
},
{
   "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
},
{
```

"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
},
{
"target": "com.amazonaws.licensemanager#UpdateServiceSettings"
}
],
"traits": {
"aws.api#service": {
"sdkId": "License Manager",
"arnNamespace": "license-manager",
"cloudFormationName": "LicenseManager",
"cloudTrailEventSource": "licensemanager.amazonaws.com",
"endpointPrefix": "license-manager"
},
"aws.auth#sigv4": {
"name": "license-manager"
},
"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
},
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",

```
            "type": "Boolean"
        },
        "Endpoint": {
            "builtIn": "SDK::Endpoint",
            "required": false,
            "documentation": "Override the endpoint used to send this request",
            "type": "String"
        }
    },
    "rules": [
        {
            "conditions": [
                {
                    "fn": "isSet",
                    "argv": [
                        {
                            "ref": "Endpoint"
                        }
                    ]

            }
            ],
            "type": "tree",
            "rules": [
                {
                    "conditions": [
                        {
                            "fn": "booleanEquals",
                            "argv": [
                                {
                                    "ref": "UseFIPS"
                                },
                                true
                            ]
                        }
                    ],
                    "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                    "type": "error"
                },
                {

"conditions": [
                        {
                            "fn": "booleanEquals",
                            "argv": [
                                {
                                    "ref": "UseDualStack"
                                },
```

```
                    true
                ]
            }
        ],
        "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
        "type": "error"
    },
    {
        "conditions": [],
        "endpoint": {
            "url": {
                "ref": "Endpoint"
            },
            "properties": {},
            "headers": {}
        },
        "type": "endpoint"
    }
]
},
{
    "conditions": [
        {
            "fn": "isSet",
            "argv": [
                {
                    "ref": "Region"
                }
            ]
        }
    ],
    "type": "tree",
    "rules": [
        {
            "conditions": [
                {
                    "fn": "aws.partition",
                    "argv": [
                        {
                            "ref": "Region"
                        }
                    ],
                    "assign": "PartitionResult"
                }
            ],
            "type": "tree",
            "rules": [
                {
```

```
                    "conditions": [
                      {
                        "fn": "booleanEquals",
                        "argv": [
                          {
                            "ref":
"UseFIPS"
                          },
                          true
                        ]
                      },
                      {
                        "fn": "booleanEquals",
                        "argv": [
                          {
                            "ref": "UseDualStack"
                          },
                          true
                        ]
                      }
                    ],
                    "type": "tree",
                    "rules": [
                      {
                        "conditions": [
                          {
                            "fn": "booleanEquals",
                            "argv": [
                              true,
                              {
                                "fn": "getAttr",
                                "argv": [
                                  {
                                    "ref": "PartitionResult"
                                  },
                                  "supportsFIPS"
                                ]

                        }
                            ]
                          },
                          {
                            "fn": "booleanEquals",
                            "argv": [
                              true,
                              {
                                "fn": "getAttr",
                                "argv": [
```

```
                                        {
                                            "ref": "PartitionResult"
                                        },

    "supportsDualStack"
                                    ]
                                }
                            ]
                        }
                    ],
                    "type": "tree",
                    "rules": [
                        {
                            "conditions": [],
                            "endpoint": {
                                "url": "https://license-manager-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                "properties": {},
                                "headers": {}

                    },
                            "type": "endpoint"
                        }
                    ]
                },
                {
                    "conditions": [],
                    "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
                    "type": "error"
                }
            ]
        },
        {
            "conditions": [
                {
                    "fn": "booleanEquals",

            "argv": [
                        {
                            "ref": "UseFIPS"
                        },
                        true
                    ]
                }
            ],
            "type": "tree",
            "rules": [
```

```
                {
                  "conditions": [
                    {
                      "fn": "booleanEquals",
                      "argv": [
                        true,

{
                        "fn": "getAttr",
                        "argv": [
                          {
                            "ref": "PartitionResult"
                          },
                          "supportsFIPS"
                        ]
                      }
                    ]
                  }
                ],
                "type": "tree",
                "rules": [

{
                    "conditions": [],
                    "endpoint": {
                      "url": "https://license-manager-fips.{Region}.{PartitionResult#dnsSuffix}",
                      "properties": {},
                      "headers": {}
                    },
                    "type": "endpoint"
                  }
                ]
              },
              {
                "conditions": [],
                "error": "FIPS is enabled but this
partition does not support FIPS",
                "type": "error"
              }
            ]
          },
          {
            "conditions": [
              {
                "fn": "booleanEquals",
                "argv": [
                  {
                    "ref": "UseDualStack"
```

```
                    },
                    true
                ]
            }
        ],
        "type": "tree",
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {
                                "fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
```

"supportsDualStack"

```
                                ]
                            }
                        ]
                    }
                ],
                "type": "tree",
                "rules": [
                    {
                        "conditions": [],
                        "endpoint": {
                            "url": "https://license-
manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
                            "properties": {},
                            "headers": {}

        },
                        "type": "endpoint"
                    }
                ]
            },
            {
                "conditions": [],
                "error": "DualStack is enabled but this partition does not support DualStack",
                "type": "error"
            }
        ]
    },
```

```
                {
                  "conditions": [],
                  "endpoint": {
                    "url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
                     "properties": {},
                    "headers": {}
                  },
                  "type": "endpoint"
                }
              ]
            }
          ]
        },
        {
          "conditions": [],
          "error": "Invalid Configuration: Missing Region",
          "type": "error"
        }
      ]
    },
    "smithy.rules#endpointTests": {
      "testCases": [
        {
          "documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint":
{
              "url": "https://license-manager.af-south-1.amazonaws.com"
            }
          },
          "params": {
            "Region": "af-south-1",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
        {
          "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-east-1.amazonaws.com"
            }
          },
          "params": {
            "Region": "ap-east-1",
            "UseFIPS": false,
            "UseDualStack": false
```

```
            }
        },
        {
          "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-northeast-1.amazonaws.com"
            }
          },
          "params": {
            "Region": "ap-northeast-1",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
        {
          "documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-northeast-2.amazonaws.com"
             }
          },
          "params": {
            "Region": "ap-northeast-2",
            "UseFIPS": false,
            "UseDualStack": false
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        },
        {
          "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
          "expect": {
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              "url": "https://license-manager.ap-northeast-3.amazonaws.com"
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          "params": {
            "Region": "ap-northeast-3",
            "UseFIPS": false,
            "UseDualStack": false
          }

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          "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-south-1.amazonaws.com"
            }
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            },
            "params": {
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                "UseFIPS": false,
                "UseDualStack": false
            }
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            "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-southeast-1.amazonaws.com"

}
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            "params": {
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                "UseFIPS": false,
                "UseDualStack": false
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            "documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-southeast-2.amazonaws.com"
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            "params": {
                "Region": "ap-southeast-2",
                "UseFIPS": false,
                "UseDualStack": false
            }
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"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
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                    "url": "https://license-manager.ap-southeast-3.amazonaws.com"
                }
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            "params": {
                "Region": "ap-southeast-3",
                "UseFIPS": false,
                "UseDualStack": false
            }
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                }
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             "params": {
                "Region": "ca-central-1",
                "UseFIPS": false,
                "UseDualStack": false
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              "documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
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                "endpoint": {
                  "url": "https://license-manager.eu-central-1.amazonaws.com"
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              "params": {
                "Region": "eu-central-1",
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                "UseDualStack": false
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disabled and DualStack disabled",
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                "endpoint": {
                  "url": "https://license-manager.eu-north-1.amazonaws.com"
                }
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              "params": {
                "Region": "eu-north-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
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              "documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.eu-south-1.amazonaws.com"
                }
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"UseDualStack": false
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"documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-west-1.amazonaws.com"
}
},
"params": {
"Region": "eu-west-1",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
"expect": {

"endpoint": {
"url": "https://license-manager.eu-west-2.amazonaws.com"
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"params": {
"Region": "eu-west-2",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-west-3.amazonaws.com"
}
},
"params": {
"Region": "eu-west-3",
"UseFIPS": false,

"UseDualStack": false
}
},

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              "expect": {
                "endpoint": {
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                }
              },
              "params": {
                "Region": "me-south-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
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              "documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.sa-east-1.amazonaws.com"
                 }
              },
              "params": {
                "Region": "sa-east-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-east-1.amazonaws.com"
                }
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": false
              }

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            {
              "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.us-east-1.amazonaws.com"
                }
              },
              "params": {
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"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
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{
"documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-east-2.amazonaws.com"
}

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"params": {
"Region": "us-east-2",
"UseFIPS": false,
"UseDualStack": false
}
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"documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
"expect": {
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}
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"params": {
"Region": "us-east-2",
"UseFIPS": true,
"UseDualStack": false
}
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"documentation": "For region
us-west-1 with FIPS disabled and DualStack disabled",
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}
},
"params": {
"Region": "us-west-1",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",

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"params": {

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"UseDualStack": false
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"url": "https://license-manager.us-west-2.amazonaws.com"
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"params": {
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"UseFIPS": false,
"UseDualStack": false
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"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
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"url": "https://license-manager-fips.us-east-1.api.aws"
}
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"params": {
"Region": "us-east-1",

"UseFIPS": true,

"UseDualStack": true
}
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"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
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"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
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"url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
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"documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-northwest-1",
"UseFIPS": false,
"UseDualStack": false

}
},
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",

"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
}
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"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
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"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
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"UseFIPS": false,
"UseDualStack": true
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{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-east-1.amazonaws.com"
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,

"UseDualStack": false
}
},
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
}
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
}
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"documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-west-1.amazonaws.com"
}
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"params": {
"Region": "us-gov-west-1",
"UseFIPS": false,
"UseDualStack": false
}
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"documentation":
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"expect": {
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"url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
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"Region": "us-gov-west-1",
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"UseDualStack": false
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"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.api.aws"

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        "params": {
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                    "UseFIPS": true,
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                "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager.us-gov-east-1.api.aws"
                    }
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                "params": {
                    "Region": "us-gov-east-1",
                    "UseFIPS": false,
                    "UseDualStack": true
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            {
                "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
                    }
                },
                "params": {
                    "Region": "us-iso-east-1",
                    "UseFIPS": false,
                    "UseDualStack": false
                }
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                "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
                "expect": {
                    "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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                "params": {
                    "Region": "us-iso-east-1",
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                     "UseDualStack": true
                }
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
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}
},
"params": {
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"UseFIPS": true,
"UseDualStack": false
}
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled
but this partition does not support DualStack"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
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"params": {
"Region": "us-isob-east-1",
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"UseDualStack": false
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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
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"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"UseFIPS": true,
"UseDualStack": true
}

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            },
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              "expect": {
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                }
              },

        "params": {
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                "UseFIPS": true,
                "UseDualStack": false
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              "expect": {
                "error": "DualStack is enabled but this partition does not support DualStack"
              },
              "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": false,
                "UseDualStack": true
              }
            },
            {
              "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

    "expect": {
                "endpoint": {
                  "url": "https://example.com"
                }
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
            },
            {
              "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
              "expect": {
                "endpoint": {
                  "url": "https://example.com"
                }
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                    },
                    "params": {
                        "UseFIPS": false,

        "UseDualStack": false,
                        "Endpoint": "https://example.com"
                    }
                },
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                    "documentation": "For custom endpoint with fips enabled and dualstack disabled",
                    "expect": {
                        "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
                    },
                    "params": {
                        "Region": "us-east-1",
                        "UseFIPS": true,
                        "UseDualStack": false,
                        "Endpoint": "https://example.com"
                    }
                },
                {
                    "documentation": "For custom endpoint with fips disabled and dualstack enabled",
                    "expect": {
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"Invalid Configuration: Dualstack and custom endpoint are not supported"
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                    "params": {
                        "Region": "us-east-1",
                        "UseFIPS": false,
                        "UseDualStack": true,
                        "Endpoint": "https://example.com"
                    }
                },
                {
                    "documentation": "Missing region",
                    "expect": {
                        "error": "Invalid Configuration: Missing Region"
                    }
                }
            ],
            "version": "1.0"
        }
    }
},
"com.amazonaws.licensemanager#AcceptGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#AcceptGrantRequest"
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},
        "output": {
            "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"

    }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
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"com.amazonaws.licensemanager#AcceptGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant
ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#AccessDeniedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
"httpResponseCode": 401
},
"smithy.api#documentation": " Access to resource denied. ",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
"type": "enum",
"members": {

"DISTRIBUTED_GRANTS_ONLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
}
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperation": {

"type": "enum",
"members": {
"CREATE_GRANT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateGrant"
}
},
"CHECKOUT_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutLicense"
}
},
"CHECKOUT_BORROW_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutBorrowLicense"
}
},
"CHECK_IN_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckInLicense"
}
},
"EXTEND_CONSUMPTION_LICENSE":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ExtendConsumptionLicense"
}

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            },
            "LIST_PURCHASED_LICENSES": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ListPurchasedLicenses"
                }
            },
            "CREATE_TOKEN": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CreateToken"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#AllowedOperationList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#AllowedOperation"
        },
        "traits": {
            "smithy.api#length": {
                "min": 1,
                "max":
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            }
        }
    },
    "com.amazonaws.licensemanager#Arn": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 2048
            },
            "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-
z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
        }
    },
    "com.amazonaws.licensemanager#ArnList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Arn"
        }
    },
    "com.amazonaws.licensemanager#AuthorizationException": {
        "type": "structure",
        "members": {
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"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError":
{
"code": "AuthorizationFailure",
"httpResponseCode": 403
},
"smithy.api#documentation": " The Amazon Web Services user account does not have permission to perform the action. Check the IAM\n policy associated with this account. ",
"smithy.api#error": "client",
"smithy.api#httpError": 403
}
},
"com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
"type": "structure",
"members": {
"LastRunTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time that automated discovery last ran. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes automated discovery. "
}
},

"com.amazonaws.licensemanager#Boolean": {
"type": "boolean",
"traits": {
"smithy.api#default": false
}
},
"com.amazonaws.licensemanager#BorrowConfiguration": {
"type": "structure",
"members": {
"AllowEarlyCheckIn": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether early check-ins are allowed. ",
"smithy.api#required": {}
}
},
"MaxTimeToLiveInMinutes": {

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            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
                "smithy.api#required": {}
            }
        }

},
        "traits": {
            "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#BoxBoolean": {
        "type": "boolean"
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    "com.amazonaws.licensemanager#BoxInteger": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#BoxLong": {
        "type": "long"
    },
    "com.amazonaws.licensemanager#CheckInLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"

     },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseRequest":
 {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicense":
 {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
        },
```

"output": {
"target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{
"target":
"com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license for offline use. "
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
"type": "structure",
"members":
{
"LicenseArn": {

"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The license must use the borrow consumption configuration. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. Partial checkouts are not supported. ",
"smithy.api#required": {}
}
},
"DigitalSignatureMethod": {
"target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
"traits": {
"smithy.api#documentation": " Digital signature method. The possible value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see RFC 7518 Digital Signature with RSASSA-PSS. ",
"smithy.api#required": {}
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},

```
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
      "type": "structure",
      "members": {
        "LicenseArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
          }
        },
        "LicenseConsumptionToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>License consumption token.</p>"
          }
        },
        "EntitlementsAllowed":
{
          "target": "com.amazonaws.licensemanager#EntitlementDataList",
          "traits": {
            "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
          }
        },
        "NodeId": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Node ID.</p>"
          }
        },
        "SignedToken": {
          "target": "com.amazonaws.licensemanager#SignedToken",
          "traits": {
            "smithy.api#documentation": "<p>Signed token.</p>"
          }
        },
        "IssuedAt": {
          "target": "com.amazonaws.licensemanager#ISO8601DateTime",
          "traits": {
            "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
          }
        },
        "Expiration": {
          "target": "com.amazonaws.licensemanager#ISO8601DateTime",
          "traits": {
            "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
          }
        },
        "CheckoutMetadata": {
```

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                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target":
"com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
```

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license. \n <note>\n If the account that created the license is the same that is performing the check out, you must\n specify the account as the beneficiary. \n </note>"
}
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
"type": "structure",
"members": {
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. ",
"smithy.api#required": {}
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Key fingerprint identifying the license. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}

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            }
        },
        "Beneficiary": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License beneficiary.</p>"
            }
        },
        "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
            }
        }
    },
    "traits": {

   "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
    "type": "structure",
    "members": {
        "CheckoutType": {
            "target": "com.amazonaws.licensemanager#CheckoutType",
            "traits": {
                "smithy.api#documentation": "<p>Checkout type.</p>"
            }
        },
        "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License consumption token.</p>"
            }
        },
        "EntitlementsAllowed": {
            "target": "com.amazonaws.licensemanager#EntitlementDataList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
            }
        },
         "SignedToken": {
            "target": "com.amazonaws.licensemanager#SignedToken",
            "traits": {
                "smithy.api#documentation": "<p>Signed token.</p>"
            }
        },
        "NodeId": {
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"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and
time at which the license checkout expires. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the checkout license. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutType": {
"type": "enum",
"members": {
"PROVISIONAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PROVISIONAL"
}
},
"PERPETUAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PERPETUAL"
}
}
}
},
"com.amazonaws.licensemanager#ClientRequestToken": {
"type": "string",

"traits": {
"smithy.api#length": {
"min": 1,
"max": 36
}
}
},
"com.amazonaws.licensemanager#ClientToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 2048
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#ConflictException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "ConflictException",
"httpResponseCode":
409
},
"smithy.api#documentation": " There was a conflict processing the request. Try your request
again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 409
}
},
"com.amazonaws.licensemanager#ConsumedLicenseSummary": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Resource type of the resource consuming a license. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {

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                "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
            }
        }
    },

"traits": {
        "smithy.api#documentation": "<p>Details about license consumption.</p>"
    }
  },
  "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
    }
  },
  "com.amazonaws.licensemanager#ConsumptionConfiguration": {
    "type": "structure",
    "members": {
        "RenewType": {
            "target": "com.amazonaws.licensemanager#RenewType",
            "traits": {
                "smithy.api#documentation": "<p>Renewal frequency.</p>"
            }
        },
        "ProvisionalConfiguration": {
            "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
             }
        },
        "BorrowConfiguration": {
            "target": "com.amazonaws.licensemanager#BorrowConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
    }
  },
  "com.amazonaws.licensemanager#CreateGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateGrantResponse"
```

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        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target":
 "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of
license\n        entitlements with a specific Amazon Web Services account, an organization, or an\n
organizational unit (OU). For more
 information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
      },
      "com.amazonaws.licensemanager#CreateGrantRequest": {
        "type": "structure",
        "members": {
          "ClientToken": {
            "target": "com.amazonaws.licensemanager#ClientToken",
            "traits": {
              "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
              "smithy.api#required": {}
            }
          },
          "GrantName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Grant name.</p>",
```

"smithy.api#required": {}

}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Principals": {
"target": "com.amazonaws.licensemanager#PrincipalArnList",
"traits": {
"smithy.api#documentation": " The grant principals. You can specify one of the following as an Amazon Resource Name\n (ARN): \n \n \n An Amazon Web Services account, which includes only the account specified. \n \n \n \n \n An organizational unit (OU), which includes all accounts in the OU. \n \n \n \n
\n An organization, which will include all accounts across your organization. \n \n ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations for the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {

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            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersion":
{
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
```

"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a new version of the specified grant. For more information, see\n Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#CreateGrantVersionRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",

"smithy.api#required": {}
}
},
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. "
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations for the grant. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}

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        },
        "StatusReason": {
            "target": "com.amazonaws.licensemanager#StatusReasonMessage",
            "traits": {
                "smithy.api#documentation": "<p>Grant status reason.</p>"
            }
        },
        "SourceVersion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Current version of the grant.</p>"
            }
        },
        "Options": {
            "target": "com.amazonaws.licensemanager#Options",
            "traits": {
                "smithy.api#documentation": "<p>The options specified for the grant.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersionResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>New version of the grant.</p>"
            }
        }
    },
    "traits":
```

{
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": " Creates a license. "
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
        },
        "errors": [

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager. Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a \n        license must be associated with a host), and the number of licenses purchased and used.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the license configuration.</p>"
                }
            },
            "LicenseCountingType": {
                "target": "com.amazonaws.licensemanager#LicenseCountingType",
                "traits": {
                    "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
```

"smithy.api#required": {}
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether hard or soft license enforcement is used. Exceeding a hard limit\n blocks the launch of new instances. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows. \n \n \n \n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> | <code>minimumCores</code>\n \n \n \n \n <code>Instances</code> dimension: <code>allowedTenancy</code> | \n <code>maximumCores</code> | <code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n \n \n <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n <code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code>\n \n \n \n \n <code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n <code>honorVcpuOptimization</code> | \n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n \n The unit for <code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for <code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n <code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n <code>True</code> and <code>False</code>. "
}
},

"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the license configuration. "
}
},

"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},

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            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {

                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting
the license type for.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information that identifies the license type you are converting
from. \n\n        For the structure of the source license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
                    "smithy.api#required": {}
                }
            },
            "DestinationLicenseContext":
 {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information that identifies the license type you are converting to.
For the structure of the destination license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
                    "smithy.api#required": {}
```

```
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
    "type": "structure",
    "members": {
        "LicenseConversionTaskId": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

   "traits": {
                "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "ReportGeneratorName":
 {
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types an be
generated:</p>\n        <ul>\n            <li>\n                <p>License configuration report - Reports the number and
details of consumed licenses for a license configuration.</p>\n            </li>\n            <li>\n                <p>Resource
report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n            </li>\n
</ul>",
                    "smithy.api#required": {}

        }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
                    "smithy.api#documentation": "<p>Defines the type of license configuration the report generator
tracks.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportFrequency": {
                "target": "com.amazonaws.licensemanager#ReportFrequency",
                "traits": {
                    "smithy.api#documentation": "<p>Frequency by which reports are generated.  Reports can be
generated daily, monthly, or weekly.</p>",
```

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique,
case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the new report
generator. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseRequest": {
"type": "structure",
"members": {
"LicenseName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product
name. ",
"smithy.api#required": {}
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits": {
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region for the license. ",
"smithy.api#required": {}

}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-
UTC format. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"Status": {

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            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        },
        "Version": {
             "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#ConflictException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
```

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target":
"com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Issuer": {
                "target": "com.amazonaws.licensemanager#Issuer",
                "traits":
{
                    "smithy.api#documentation": "<p>License issuer.</p>",
                    "smithy.api#required": {}
                }
            },
            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Validity": {
                "target": "com.amazonaws.licensemanager#DatetimeRange",
```

"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},

"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the license. "

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            }
          }
        },
        "traits": {

"smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>License ARN.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>New version of the license.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
              "smithy.api#documentation": "<p>License status.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output":
{}
        }
      },
      "com.amazonaws.licensemanager#CreateToken": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#CreateTokenRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#CreateTokenResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a long-lived token. \n A refresh token is a JWT token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license. "
}
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits":
{
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token. ",
"smithy.api#required": {}
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n License Manager does not check whether the roles are in use. "
}
},
"ExpirationInDays": {

"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Token expiration, in days, counted from token creation. The default is 365 days. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Idempotency token, valid for 10 minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateTokenResponse": {
"type": "structure",
"members": {
"TokenId": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Token ID. "
}
},
"TokenType": {
"target": "com.amazonaws.licensemanager#TokenType",
"traits": {
"smithy.api#documentation": " Token type. "
}
},
"Token": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Refresh token, encoded as a JWT token. "
}
}
},

```
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
        "Begin": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Start of the time range.</p>",
                "smithy.api#required": {}
            }
        },
        "End": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>End of the time range.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
},
"com.amazonaws.licensemanager#DeleteGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "StatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the
grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteGrantResponse": {
        "type": "structure",
        "members": {
```

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            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
        },

    "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n        <p>You cannot
delete a license configuration that is in use.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
        "type": "structure",
```

"members":
{
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the license configuration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},

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            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified report generator.</p>\n        <p>This action
deletes the report generator, which stops it from generating future reports.\n        The action cannot be reversed. It
has no effect on the previous reports from this generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to be
deleted.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {

 "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceVersion": {
```

```
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Current version of the license.</p>",
                "smithy.api#required":
{}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#DeleteLicenseResponse": {
    "type": "structure",
    "members": {
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        },
        "DeletionDate": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DeleteToken": {
    "type": "operation",
     "input": {
        "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
```

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},

{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified token. Must be called in the license home Region. "
}
},
"com.amazonaws.licensemanager#DeleteTokenRequest": {
"type": "structure",
"members": {
"TokenId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token ID. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteTokenResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}

}
},
"com.amazonaws.licensemanager#DigitalSignatureMethod": {
"type": "enum",
"members": {
"JWT_PS384": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "JWT_PS384"
}
}
}
},
"com.amazonaws.licensemanager#Entitlement": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement resource. Use only
if the unit is None. "
}
},
"MaxCount": {
"target": "com.amazonaws.licensemanager#Long",
"traits": {
"smithy.api#documentation": " Maximum entitlement count. Use if the unit is not None. "
}
},
"Overage": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether overages are allowed. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementUnit",
"traits": {
"smithy.api#documentation": " Entitlement unit. ",
"smithy.api#required": {}
}
},
"AllowCheckIn": {
"target":
"com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether check-ins are allowed. "

```
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes a resource entitled for use with a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementData": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement data name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement
data value.</p>"
                }
            },
            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement data unit.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementDataList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementData"
        }
    },
    "com.amazonaws.licensemanager#EntitlementDataUnit": {
        "type": "enum",
        "members": {
            "COUNT": {
                "target": "smithy.api#Unit",
                "traits": {
```

"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"

}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},

"BYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"Megabits/Second"
}

```
            },
            "GIGABITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Gigabits/Second"
                }
            },
            "TERABITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Terabits/Second"
                }
            },
            "COUNT_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Count/Second"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#EntitlementList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Entitlement"
        }
    },
    "com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#EntitlementUnit": {
        "type": "enum",
        "members": {
            "COUNT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Count"
```

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            }
        },
        "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "None"
            }
        },
        "SECONDS":
{
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Seconds"
            }
        },
        "MICROSECONDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Microseconds"
            }
        },
        "MILLISECONDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Milliseconds"
            }
        },
        "BYTES": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Bytes"
            }
        },
        "KILOBYTES": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobytes"
             }
        },
        "MEGABYTES": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Megabytes"
            }
        },
        "GIGABYTES": {
            "target": "smithy.api#Unit",
            "traits": {
```

"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"
}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target":

"smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits/Second"
}
},

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        "GIGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Gigabits/Second"
            }
        },

    "TERABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabits/Second"
            }
        },
        "COUNT_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count/Second"
            }
        }
    }
},
"com.amazonaws.licensemanager#EntitlementUsage": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage name.</p>",
                "smithy.api#required": {}
            }
        },
        "ConsumedValue": {
            "target": "com.amazonaws.licensemanager#String",

        "traits": {
                "smithy.api#documentation": "<p>Resource usage consumed.</p>",
                "smithy.api#required": {}
            }
        },
        "MaxCount": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
            }
        },
        "Unit": {
            "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
            "traits": {
```

```
                "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
    }
},
"com.amazonaws.licensemanager#EntitlementUsageList":
{
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#EntitlementUsage"
    }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumption": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
         },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
```

"smithy.api#documentation": " Extends the expiration date for license consumption. "
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. ",
"smithy.api#required": {}

}
},
"DryRun": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,
"smithy.api#documentation": " Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},

"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license consumption expires. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},

"com.amazonaws.licensemanager#FailedDependencyException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
},
"ErrorCode": {
"target": "com.amazonaws.licensemanager#String"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FailedDependency",
"httpResponseCode": 424
},
"smithy.api#documentation":
" A dependency required to run the API is missing. ",
"smithy.api#error": "client",
"smithy.api#httpError": 424
}
},
"com.amazonaws.licensemanager#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#FilterName",
"traits": {
"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter
name and value pair that is used to return more specific results from a\n describe operation. Filters can be used to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
"type": "structure",
"members": {
"Message": {

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            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "FilterLimitExceeded",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#FilterList": {
    "type": "list",
     "member": {
        "target": "com.amazonaws.licensemanager#Filter"
    }
},
"com.amazonaws.licensemanager#FilterName": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#FilterValue",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#Filters": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Filter",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#GetAccessToken": {
    "type": "operation",
    "input": {
         "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
    },
```

```
        "output": {
            "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
 tokens\n         are valid for one hour.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetAccessTokenRequest": {
        "type": "structure",
        "members": {
            "Token": {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "TokenProperties": {
                "target": "com.amazonaws.licensemanager#MaxSize3StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
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"com.amazonaws.licensemanager#GetAccessTokenResponse":
{
"type": "structure",
"members": {
"AccessToken": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Temporary access token. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {

"smithy.api#documentation": " Gets detailed information about the specified grant. "
}
},
"com.amazonaws.licensemanager#GetGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetGrantResponse": {
"type": "structure",
"members": {
"Grant": {
"target": "com.amazonaws.licensemanager#Grant",
"traits": {
"smithy.api#documentation": " Grant details. "
}
}
},
"traits": {

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseResponse"
},
"errors": [

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        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"

    },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the specified license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits":
 {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurationId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
                }
            },
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
                }
            },
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>"
                 }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the license configuration.</p>"
```

```
        }
    },
    "LicenseCountingType": {
        "target": "com.amazonaws.licensemanager#LicenseCountingType",
        "traits": {
            "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
        }
    },
    "LicenseRules": {
        "target": "com.amazonaws.licensemanager#StringList",
        "traits": {
            "smithy.api#documentation": "<p>License rules.</p>"
        }
    },
    "LicenseCount": {
        "target": "com.amazonaws.licensemanager#BoxLong",

       "traits": {
            "smithy.api#documentation": "<p>Number of available licenses.</p>"
        }
    },
    "LicenseCountHardLimit": {
        "target": "com.amazonaws.licensemanager#BoxBoolean",
        "traits": {
            "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
        }
    },
    "ConsumedLicenses": {
        "target": "com.amazonaws.licensemanager#BoxLong",
        "traits": {
            "smithy.api#documentation": "<p>Number of licenses assigned to resources.</p>"
        }
    },
    "Status": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>License configuration status.</p>"
        }

},
    "OwnerAccountId": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Account ID of the owner of the license configuration.</p>"
        }
    },
    "ConsumedLicenseSummaryList": {
        "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
```

"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When
true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified license type conversion task. "
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "
}
},
"ResourceArn": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted to. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " Status of the license type conversion task. "
}
},

"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was started . "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Amount of time to complete the license type conversion. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was

completed. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified report generator. "
}
},

"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. ",
"smithy.api#required":
{}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"ReportGenerator": {
"target": "com.amazonaws.licensemanager#ReportGenerator",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license configurations. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}

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        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseResponse": {
        "type": "structure",
        "members": {
            "License": {
                "target": "com.amazonaws.licensemanager#License",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },

"com.amazonaws.licensemanager#GetLicenseUsage": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {

"target": "com.amazonaws.licensemanager#ValidationException"
            }
```

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        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseUsageRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
        "type": "structure",
        "members": {
            "LicenseUsage": {
                "target":
"com.amazonaws.licensemanager#LicenseUsage",
                "traits": {
                    "smithy.api#documentation": "<p>License usage details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets the License Manager settings for the current Region. "
}
},
"com.amazonaws.licensemanager#GetServiceSettingsRequest": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Regional S3 bucket path for storing reports, license trail event data, discovery data,\n and so on. "

}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " SNS topic configured to receive notifications from License Manager. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Indicates whether Organizations is integrated with License Manager for\n cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {

"smithy.api#documentation": " Indicates whether cross-account discovery is enabled. "
}

},
"LicenseManagerResourceShareArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource share. The License Manager management account \n provides member accounts with access to this share. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Grant": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}
}
},
"ParentArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",
"smithy.api#required": {}
}
},

"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. ",
"smithy.api#required": {}
}
},
"GrantedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Granted operations. ",
"smithy.api#required": {}
}
},
"Options": {
"target": "com.amazonaws.licensemanager#Options",
"traits": {
"smithy.api#documentation": " The options specified for the grant. "
}
}

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        },
        "traits": {
            "smithy.api#documentation":
"<p>Describes a grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#GrantList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Grant"
        }
    },
    "com.amazonaws.licensemanager#GrantStatus": {
        "type": "enum",
        "members": {
            "PENDING_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_WORKFLOW"
                }
            },
            "PENDING_ACCEPT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_ACCEPT"
                }
            },
            "REJECTED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REJECTED"

            }
            },
            "ACTIVE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ACTIVE"
                }
            },
            "FAILED_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED_WORKFLOW"
                }
            },
            "DELETED": {
                "target": "smithy.api#Unit",
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"traits": {
"smithy.api#enumValue": "DELETED"
}
},
"PENDING_DELETE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_DELETE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "DISABLED"
}
},
"WORKFLOW_COMPLETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WORKFLOW_COMPLETED"
}
}
}
},
"com.amazonaws.licensemanager#GrantedLicense": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. "
}

},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " Granted license issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the granted license. "

}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " Granted license status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the granted license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Granted license beneficiary. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}

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            },
            "LicenseMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license metadata.</p>"
                }
            },
            "CreateTime": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Creation time of the granted license.</p>"

    }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Version of the granted license.</p>"
                }
            },
            "ReceivedMetadata": {
                "target": "com.amazonaws.licensemanager#ReceivedMetadata",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license received metadata.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
        }
    },
    "com.amazonaws.licensemanager#GrantedLicenseList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#GrantedLicense"
        }
    },
    "com.amazonaws.licensemanager#ISO8601DateTime":
{
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-
1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$"
        }
```

```
    },
    "com.amazonaws.licensemanager#Integer": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#InvalidParameterValueException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidParameterValueProvided",
                "httpResponseCode": 400
            },
            "smithy.api#documentation":
 "<p>One or more parameter values are not valid.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#InvalidResourceStateException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidResourceState",
                "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n        <p>For example, you cannot allocate a license to an instance in the process of shutting\n
down.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },

    "com.amazonaws.licensemanager#InventoryFilter": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

```
                "smithy.api#documentation": "<p>Name of the filter.</p>",
                "smithy.api#required": {}
            }
        },
        "Condition": {
            "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
            "traits": {
                "smithy.api#documentation": "<p>Condition of the filter.</p>",
                "smithy.api#required": {}
            }
        },
        "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Value of the filter.</p>"
            }
        }

    },
    "traits": {
        "smithy.api#documentation": "<p>An inventory filter.</p>"
    }
  },
  "com.amazonaws.licensemanager#InventoryFilterCondition": {
    "type": "enum",
    "members": {
        "EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EQUALS"
            }
        },
        "NOT_EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "NOT_EQUALS"
            }
        },
        "BEGINS_WITH": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "BEGINS_WITH"
            }
        },
        "CONTAINS": {
            "target": "smithy.api#Unit",
            "traits": {
```

"smithy.api#enumValue": "CONTAINS"
}
}
}
},
"com.amazonaws.licensemanager#InventoryFilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#InventoryFilter"
}
},
"com.amazonaws.licensemanager#Issuer": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. ",
"smithy.api#required": {}
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the issuer of a license. "
}
},
"com.amazonaws.licensemanager#IssuerDetails": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. "
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing

algorithm. "
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer key fingerprint. "
}
}
},
"traits": {
"smithy.api#documentation": " Details associated with the issuer of a license. "
}
},
"com.amazonaws.licensemanager#License": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " License name. "
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " License issuer. "
}
},

"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Home Region of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " License metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {

"smithy.api#documentation": " License
creation time. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#documentation": " Software license that is managed in License Manager. "
}
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
"type": "structure",
"members": {
"LicenseConfigurationId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Unique ID of the license configuration. "
}
},
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension to use to track the license inventory. "
}
},

"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Number of available licenses as a hard limit. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the license configuration. "
}
},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the license configuration's owner. "

}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for licenses consumed by various resources. "

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            }
        },
        "ManagedResourceSummaryList": {
            "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
            "traits": {
                "smithy.api#documentation": "<p>Summaries for managed resources.</p>"
            }
        },
        "ProductInformationList": {
            "target": "com.amazonaws.licensemanager#ProductInformationList",
            "traits": {
                "smithy.api#documentation": "<p>Product information.</p>"
            }
        },
        "AutomatedDiscoveryInformation": {

            "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
            "traits": {
                "smithy.api#documentation": "<p>Automated discovery information.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>A license configuration is an abstraction of a customer license
agreement that can be\n        consumed and enforced by License Manager. Components include specifications for
the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n
Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n        must be associated with a
host), and the number of licenses purchased and used.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
    "type": "structure",
    "members": {
        "ResourceArn":
{
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
            }
        },
        "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Type of server resource.</p>"
            }
        },
        "ResourceOwnerId": {
            "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Time when the license configuration was associated with the resource. "
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an association with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
}
},
"com.amazonaws.licensemanager#LicenseConfigurationStatus": {
"type": "enum",
"members":
{
"AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISABLED"
}
}
}
},

"com.amazonaws.licensemanager#LicenseConfigurationUsage": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits":
{
"smithy.api#documentation": " Type of resource. "
}
},
"ResourceStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the usage of a resource associated with a license configuration. "
}
},

"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
}
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfiguration"
}
},
"com.amazonaws.licensemanager#LicenseConversionContext": {

"type": "structure",
"members": {
"UsageOperation": {
"target": "com.amazonaws.licensemanager#UsageOperation",
"traits": {
"smithy.api#documentation": " The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\n \n "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {

"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " The ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource associated with the license type\n conversion task. "
}
},
"SourceLicenseContext": {

"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted to. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " The status of the conversion task. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was started at. "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the usage operation value of the resource was changed. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was completed. "
}
}
},
"traits": {

"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
"type": "string",
"traits": {

"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
}
},
"com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
"type": "enum",
"members": {
"IN_PROGRESS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "IN_PROGRESS"
}
},
"SUCCEEDED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SUCCEEDED"
}
},
"FAILED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseConversionTasks":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConversionTask"
}
},
"com.amazonaws.licensemanager#LicenseCountingType": {
"type": "enum",
"members": {
"VCPU": {

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            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "vCPU"
            }
        },
        "INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Instance"
            }
        },
        "CORE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Core"
            }
        },
        "SOCKET": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Socket"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
    "type": "enum",
    "members": {
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#License"
    }
},
```

"com.amazonaws.licensemanager#LicenseOperationFailure": {

"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Resource type. "
}
},
"ErrorMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Error message. "
}
},
"FailureTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Failure time. "
}
},
"OperationName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the operation. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource. "
}
},
"OperationRequestedBy": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The requester is \"License Manager Automated Discovery\". "
}
},

"MetadataList": {

"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Reserved. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the failure of a license operation. "
}
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailure"
}
},
"com.amazonaws.licensemanager#LicenseSpecification": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Details for associating a license configuration with a resource. "
}
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseSpecification"
}
},

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"com.amazonaws.licensemanager#LicenseStatus": {
    "type": "enum",
    "members": {
        "AVAILABLE": {
            "target": "smithy.api#Unit",

        "traits": {
                "smithy.api#enumValue": "AVAILABLE"
            }
        },
        "PENDING_AVAILABLE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_AVAILABLE"
            }
        },
        "DEACTIVATED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DEACTIVATED"
            }
        },
        "SUSPENDED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SUSPENDED"
            }
        },
        "EXPIRED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EXPIRED"
            }
        },

      "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
```

```
    },
    "com.amazonaws.licensemanager#LicenseUsage": {
        "type": "structure",
        "members": {
            "EntitlementUsages": {
                "target": "com.amazonaws.licensemanager#EntitlementUsageList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlement usages.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"

        }
    },
    "com.amazonaws.licensemanager#LicenseUsageException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "LicenseUsageFailure",
                "httpResponseCode": 412
            },
            "smithy.api#documentation": "<p>You do not have enough licenses available to support a new resource
launch.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 412
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
        },
        "output": {

    "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the resource associations for the
specified license configuration. \n Resource associations need not consume licenses from a license
configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules). "
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results
to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}

```
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurationAssociations": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the associations for the license
configuration.</p>"
                }
            },
            "NextToken": {

 "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrants": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
             },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
```

```
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
        "type": "structure",
        "members": {
            "GrantArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {

            "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseArn</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>GrantStatus</code>\n                </p>\n            </li>\n
    <li>\n                <p>\n                <code>GranteePrincipalARN</code>\n                </p>\n            </li>\n
<li>\n                <p>\n                <code>ProductSKU</code>\n                </p>\n            </li>\n            <li>\n
<p>\n                <code>LicenseIssuerName</code>\n
        </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
```

```
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
        "type": "structure",
        "members": {
            "Grants": {
                "target": "com.amazonaws.licensemanager#GrantList",

    "traits": {
                    "smithy.api#documentation": "<p>Distributed grant details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
        },
        "errors": [
            {

"target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
        "type": "structure",
        "members": {
            "LicenseOperationFailureList": {
                "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
                "traits": {
                    "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
```

```
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
        },

    "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configurations
 for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArns": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
                }
```

```
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next
 set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n                Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n                Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n
<p>\n                <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n                Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>.</p>\n
    </li>\n            <li>\n                <p>\n                <code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurations": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurations",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
```

```
      "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
    "type": "structure",
    "members": {
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
```

"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " \n Filters to scope the results. Valid filters are <code>ResourceArns</code> and <code>Status</code>.\n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
"type": "structure",
"members": {
"LicenseConversionTasks": {
"target": "com.amazonaws.licensemanager#LicenseConversionTasks",
"traits": {
"smithy.api#documentation": " Information about the license configuration tasks for your account. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
},
"errors": [

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseConfigurationArn</code>\n
</p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
```

"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits":
{
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
"type": "structure",
"members": {
"ReportGenerators": {
"target": "com.amazonaws.licensemanager#ReportGeneratorList",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}

}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

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            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an
associated license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {

        "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
        "type": "structure",
        "members": {
            "LicenseSpecifications": {
```

```
            "target": "com.amazonaws.licensemanager#LicenseSpecifications",
            "traits": {
                "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
    "members": {
```

```
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#LicenseList",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            },

"NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenses": {
        "type": "operation",
        "input": {
```

"target": "com.amazonaws.licensemanager#ListLicensesRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicensesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the licenses for your account. "
}
},
"com.amazonaws.licensemanager#ListLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>Beneficiary</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>Status</code>\n \n \n "
}

```
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token
for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicensesResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#LicenseList",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {

  "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrants": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
        },
```

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target":
"com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the received license. ",
"smithy.api#required": {}
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are
supported: \n
\n \n \n <code>ParentArn</code>\n \n \n
\n \n <code>GranteePrincipalArn</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}

```
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
{
        "type": "structure",
        "members": {
            "Grants": {
                "target": "com.amazonaws.licensemanager#GrantList",
                "traits": {
                    "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
        "type": "structure",
        "members": {
            "GrantArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                 "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>LicenseIssuerName</code>\n                </p>\n
</li>\n            <li>\n                <p>\n                <code>LicenseArn</code>\n                </p>\n            </li>\n
<li>\n                <p>\n                <code>GrantStatus</code>\n                </p>\n            </li>\n            <li>\n
<p>\n
        <code>GranterAccountId</code>\n                </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
```

```
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
    "type": "structure",
    "members": {
        "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
             "traits": {
                "smithy.api#documentation": "<p>Received grant details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists received licenses.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
```

```
            },
            {

        "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>Beneficiary</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n
            </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#GrantedLicenseList",
```

"traits": {
"smithy.api#documentation": " Lists the licenses the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>IssuerName</code>\n \n \n \n \n <code>Beneficiary</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}

```
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
    "type": "structure",
    "members": {
        "Licenses": {
            "target": "com.amazonaws.licensemanager#GrantedLicenseList",
            "traits": {
                "smithy.api#documentation": "<p>Received license details.</p>"
            }
        },

        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListResourceInventory": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FailedDependencyException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
        },
        {
```

"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists resources managed using Systems Manager inventory. "
}
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#InventoryFilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>account_id</code> - The ID of the Amazon Web Services account that owns the resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n
\n \n \n <code>application_name</code> - The name of the application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n
\n \n \n <code>license_included</code> - The type of license included. \n
Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
\n <code>platform</code> - The platform of the resource.\n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n \n \n \n
<code>resource_id</code> - The ID of the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n
<code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account). \n \n "

```
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListResourceInventoryResponse": {
        "type": "structure",
        "members": {
          "ResourceInventoryList": {
            "target": "com.amazonaws.licensemanager#ResourceInventoryList",
            "traits": {
              "smithy.api#documentation": "<p>Information
about the resources.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListTagsForResource": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
           },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
```

"errors":
[
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists your tokens. "
}
},
"com.amazonaws.licensemanager#ListTokensRequest": {
"type": "structure",
"members": {
"TokenIds": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " Token IDs. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filter is supported: \n
\n \n \n <code>LicenseArns</code>\n \n \n
"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",

"traits": {
"smithy.api#documentation":
" Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListTokensResponse": {
"type": "structure",
"members": {
"Tokens": {
"target": "com.amazonaws.licensemanager#TokenList",
"traits": {
"smithy.api#documentation": " Received token details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"

```
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
             {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license\n        consumption details by resource at a selected point in time. Use this action to audit the\n        current
license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
             "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>resourceArn</code> - The ARN of the license configuration resource.\n
            Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n
 <li>\n                <p>\n                <code>resourceType</code> - The resource type
```

(<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
"type": "structure",
"members": {

"LicenseConfigurationUsageList": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Location": {
"type": "string"
},
"com.amazonaws.licensemanager#Long": {
"type": "long"
},
"com.amazonaws.licensemanager#ManagedResourceSummary": {
"type": "structure",
"members": {
"ResourceType":
{
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of resource associated with a license. "
}

```
        },
        "AssociationCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
    }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
    }
},
"com.amazonaws.licensemanager#MaxSize100": {

"type": "integer",
    "traits": {
        "smithy.api#range": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " The key name. "
}
},

"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The value. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes key/value pairs. "
}
},
"com.amazonaws.licensemanager#MetadataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Metadata"
}
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n

```
</li>\n <li>\n <p>As a grantor, you can optionally specify an\n
<code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your
organization.</p>\n </li>\n <li>\n <p>As a grantee, if the grantor creating the distributed
grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one
when you\n are activating the grant.</p>\n </li>\n </ul>\n <dl>\n
<dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n <p>Use this value to activate a grant
without replacing any member accounts\n active grants for the same product.</p>\n </dd>\n
<dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n <p>Use this value to activate a
grant and disable other active grants in any\n member accounts
 for the same product. This action will also replace their\n previously activated grants with this activated
grant.</p>\n </dd>\n </dl>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The options you can specify when you create a new version of a grant,
such as activation\n override behavior. For more information, see <a
href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in
License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
      },
      "com.amazonaws.licensemanager#OrganizationConfiguration": {
        "type": "structure",
        "members": {
          "EnableIntegration": {
            "target": "com.amazonaws.licensemanager#Boolean",
            "traits": {
              "smithy.api#default": false,
              "smithy.api#documentation":
 "<p>Enables Organizations integration.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Configuration information for Organizations.</p>"
        }
      },
      "com.amazonaws.licensemanager#PrincipalArnList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#Arn"
        },
        "traits": {
          "smithy.api#length": {
            "min": 1,
            "max": 1
          }
```

}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Resource type. The possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a <code>ProductInformationFilterComparator</code> which is a logical operator, a <code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. \n The following filters and are supported when the resource type \n is <code>SSM_MANAGED</code>: \n \n \n \n <code>Application Name</code> - The name of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Publisher</code> - The publisher of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n \n \n \n \n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n \n \n <code>License Included</code> - The type of license included.\n Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are: <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n The following filters and logical operators are supported when the resource type\n is <code>RDS</code>: \n \n \n \n <code>Engine Edition</code> - The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>. \n \n \n \n <code>License Pack</code> - The license

pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n
<code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n
\n ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information for a license configuration. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
"type": "structure",
"members": {
"ProductInformationFilterName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Filter name. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterValue": {
"target": "com.amazonaws.licensemanager#StringList",

"traits": {
"smithy.api#documentation": " Filter value. "
}
},
"ProductInformationFilterComparator": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Logical operator. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information filters. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ProductInformationFilter"
}
},
"com.amazonaws.licensemanager#ProductInformationList": {

"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ProductInformation"
}
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
"type": "structure",
"members": {
"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the provisional configuration, in minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "RateLimitExceeded",
"httpResponseCode": 429
},
"smithy.api#documentation": " Too many requests have been submitted. Try again after a brief wait. ",
"smithy.api#error": "client",
"smithy.api#httpError": 429
}
},
"com.amazonaws.licensemanager#ReceivedMetadata": {
"type": "structure",
"members": {
"ReceivedStatus": {
"target": "com.amazonaws.licensemanager#ReceivedStatus",
"traits": {
"smithy.api#documentation": " Received status. "
}
},
"ReceivedStatusReason": {

"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Received
status reason. "
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations. "
}
}
},
"traits": {
"smithy.api#documentation": " Metadata associated with received licenses and grants. "
}
},
"com.amazonaws.licensemanager#ReceivedStatus": {
"type": "enum",
"members": {
"PENDING_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_WORKFLOW"
}
},
"PENDING_ACCEPT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"PENDING_ACCEPT"
}
},
"REJECTED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REJECTED"
}
},
"ACTIVE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ACTIVE"
}
},
"FAILED_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {

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            "smithy.api#enumValue": "FAILED_WORKFLOW"
          }
        },
        "DELETED": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "DELETED"
          }
        },
        "DISABLED": {
          "target": "smithy.api#Unit",
           "traits": {
            "smithy.api#enumValue": "DISABLED"
          }
        },
        "WORKFLOW_COMPLETED": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "WORKFLOW_COMPLETED"
          }
        }
      }
    },
    "com.amazonaws.licensemanager#RedirectException": {
      "type": "structure",
      "members": {
        "Location": {
          "target": "com.amazonaws.licensemanager#Location",
          "traits": {
            "smithy.api#httpHeader": "Location"
          }
        },
        "Message": {
          "target": "com.amazonaws.licensemanager#Message"
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
         "smithy.api#error": "client",
        "smithy.api#httpError": 308
      }
    },
    "com.amazonaws.licensemanager#RejectGrant": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#RejectGrantRequest"
      },
      "output": {
```

"target": "com.amazonaws.licensemanager#RejectGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Rejects the specified grant. "
}
},
"com.amazonaws.licensemanager#RejectGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}

}
},
"com.amazonaws.licensemanager#RejectGrantResponse": {
"type": "structure",

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        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
              "smithy.api#documentation": "<p>Grant status.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Grant version.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#RenewType":
{
        "type": "enum",
        "members": {
          "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "None"
            }
          },
          "WEEKLY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Weekly"
            }
          },
          "MONTHLY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Monthly"
            }
          }
        }
      },
```

"com.amazonaws.licensemanager#ReportContext": {
"type": "structure",
"members": {
"licenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "
}
},
"period": {
"target": "com.amazonaws.licensemanager#ReportFrequencyType",

"traits": {
"smithy.api#documentation": " Time period between each report. The period can be daily, weekly, or monthly. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
"type": "enum",
"members": {
"DAY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DAY"
}

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            },
            "WEEK": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WEEK"
                }
            },
            "MONTH": {
                "target": "smithy.api#Unit",
                "traits":
{
                    "smithy.api#enumValue": "MONTH"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#ReportGenerator": {
        "type": "structure",
        "members": {
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>"
                }
            },
            "ReportType": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports that are generated.</p>"
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
                    "smithy.api#documentation": "<p>License
configuration type for this generator.</p>"
                }
            },
            "ReportFrequency": {
                "target": "com.amazonaws.licensemanager#ReportFrequency",
                "traits": {
                    "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
                }
            },
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>"
```

```
            }
        },
        "LastRunStatus": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Status of the last report generation attempt.</p>"
            }
        },
        "LastRunFailureReason":
 {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
            }
        },
        "LastReportGenerationTime": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
            }
        },
        "ReportCreatorAccount": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report
generator.</p>"
            }
        },
        "Description": {
            "target": "com.amazonaws.licensemanager#String",

      "traits": {
                "smithy.api#documentation": "<p>Description of the report generator.</p>"
            }
        },
        "S3Location": {
            "target": "com.amazonaws.licensemanager#S3Location",
            "traits": {
                "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
            }
        },
        "CreateTime": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Time the report was created.</p>"
            }
        },
```

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        "Tags": {
            "target": "com.amazonaws.licensemanager#TagList",
            "traits": {
                "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
            }

}
    },
    "traits": {
        "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
    }
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ReportGenerator"
    }
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#ReportType": {
    "type": "enum",
    "members": {
        "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
            }

},
        "LICENSE_CONFIGURATION_USAGE_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "LicenseConfigurationUsageReport"
            }
        }
    }
},
"com.amazonaws.licensemanager#ReportTypeList": {
    "type": "list",
    "member": {
```

"target": "com.amazonaws.licensemanager#ReportType"
}
},
"com.amazonaws.licensemanager#ResourceInventory": {
"type": "structure",
"members": {
"ResourceId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits":
{
"smithy.api#documentation": " Type of resource. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"Platform": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Platform of the resource. "
}
},
"PlatformVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Platform version of the resource in the inventory. "
}
},
"ResourceOwningAccountId":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about a resource. "
}

```
},
"com.amazonaws.licensemanager#ResourceInventoryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ResourceInventory"
    }
},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "ResourceLimitExceeded",

         "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
     "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
```

"smithy.api#enumValue": "EC2_INSTANCE"
}
},
"EC2_HOST": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_HOST"
}
},
"EC2_AMI": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_AMI"
}
},
"RDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "RDS"
}
},
"SYSTEMS_MANAGER_MANAGED_INSTANCE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
}
}
}
},
"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "

```
        }
    },
    "com.amazonaws.licensemanager#ServerInternalException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InternalError",
                "httpResponseCode": 500
            },
            "smithy.api#documentation": "<p>The server experienced an internal error. Try again.</p>",
            "smithy.api#error": "server",
            "smithy.api#httpError": 500
        }
    },
    "com.amazonaws.licensemanager#SignedToken": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 4096
            }
        }
    },
    "com.amazonaws.licensemanager#StatusReasonMessage": {
        "type": "string",
        "traits":
{
            "smithy.api#length": {
                "min": 0,
                "max": 400
            },
            "smithy.api#pattern": "^[\\s\\S]+$"
        }
    },
    "com.amazonaws.licensemanager#String": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#StringList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#Tag": {
```

"type": "structure",
"members": {
"Key": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Tag key. "
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation":
" Tag value. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about a tag for a license configuration. "
}
},
"com.amazonaws.licensemanager#TagKeyList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#String"
}
},
"com.amazonaws.licensemanager#TagList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Tag"
}
},
"com.amazonaws.licensemanager#TagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#TagResourceResponse"
},
"errors": [
{
"target":
"com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},

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            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>One or more tags.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
        "members": {
```

"TokenId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token ID. "
}
},
"TokenType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Type of token generated. The supported value is <code>REFRESH_TOKEN</code>. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"ExpirationTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Token expiration time, in ISO8601-UTC format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#TokenData"
}
},
"com.amazonaws.licensemanager#TokenString": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 4096
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#TokenType": {
"type": "enum",
"members": {
"REFRESH_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REFRESH_TOKEN"
}
}
}
},
"com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The digital signature method is unsupported. Try your request
again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#UntagResource": {
"type": "operation",

"input": {
"target": "com.amazonaws.licensemanager#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Removes the specified tags from the specified license configuration. "
}
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanager#TagKeyList",
"traits": {
"smithy.api#documentation": " Keys identifying the tags to remove. ",
"smithy.api#required": {}
}
}
},
"traits": {

```
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UntagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
        },
        "output": {

"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
         }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"LicenseConfigurationStatus": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
"traits": {
"smithy.api#documentation": " New status of the license configuration. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " New license rule. The only rule that you can add after you create a license\n configuration is licenseAffinityToHost. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",

"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

```
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to update.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types are supported:</p>\n        <ul>\n            <li>\n                <p>License configuration report - Reports the number and details of consumed licenses for a license configuration.</p>\n            </li>\n            <li>\n                <p>Resource report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n            </li>\n        </ul>",
                    "smithy.api#required": {}
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
```

"smithy.api#documentation": " The report context. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },

            {
                "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
            },
            {
                "target": "com.amazonaws.licensemanager#LicenseUsageException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified
Amazon Web Services resource.</p>\n        <p>You can update the license specifications of AMIs, instances, and
hosts.\n        You cannot update the license specifications for launch templates and CloudFormation templates, \n
 as they send license configurations to the operation that creates the resource.</p>"
        }
    },

    "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services
resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "AddLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
                }
            },
```

"RemoveLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation":
" ARNs of the license configurations to remove. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Updates License Manager settings for the current Region. "
}
},

"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
Manager information is stored. "
}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Enables integration with Organizations for cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Activates cross-account discovery. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UsageOperation": {
"type": "string",
"traits": {
"smithy.api#length": {

```
            "min": 0,
            "max": 50
          }
        }
      },
      "com.amazonaws.licensemanager#ValidationException": {
        "type": "structure",
        "members": {
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

       "smithy.api#error": "client",
          "smithy.api#httpError": 400
        }
      }
    }
  }
```


1.6946 genproto-googleapis-rpc 0.0.0-20241219192143-6b3ec007d9bb

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1.6947 go.etcd.io/etcd/client/pkg/v3 3.5.16

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1.6951 google.golang.org/genproto/googleapis/rpc 0.0.0-20241219192143-6b3ec007d9bb

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1.6952 google-golang-org-grpc 1.69.2

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1.6954 github.com/jackc/puddle/v2 2.2.2

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1.6955 go-uuid 1.1.0

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1.6957 x-tools 0.21.1-0.20240508182429-e35e4ccd0d2d

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```
package licenses_test

import (
 "bytes"
 "os"
 "os/exec"
 "runtime"
 "testing"

 "golang.org/x/tools/internal/testenv"
)

func TestLicenses(t *testing.T) {
 // License text differs for older Go versions because staticcheck or gofumpt
 // isn't supported for those versions, and this fails for unknown, unrelated
 // reasons on Kokoro legacy CI.
 testenv.NeedsGo1Point(t, 21)

 if runtime.GOOS != "linux" && runtime.GOOS != "darwin" {
  t.Skip("generating licenses only works on Unixes")
 }
 tmp, err := os.CreateTemp("", "")
 if err != nil {
  t.Fatal(err)
 }
 tmp.Close()

 if out, err := exec.Command("./gen-licenses.sh", tmp.Name()).CombinedOutput(); err != nil {
```

```
 t.Fatalf("generating licenses failed: %q, %v", out, err)
 }

 got, err := os.ReadFile(tmp.Name())
 if err != nil {
  t.Fatal(err)
 }
 want, err := os.ReadFile("licenses.go")
 if
 err != nil {
  t.Fatal(err)
 }
 if !bytes.Equal(got, want) {
  t.Error("combined license text needs updating. Run: `go generate ./internal/licenses` from the gopls module.")
 }
}
// Copyright 2020 The Go Authors. All rights reserved.
// Use of this source code is governed by a BSD-style
// license that can be found in the LICENSE file.

//go:generate ./gen-licenses.sh licenses.go
package licenses

const Text = `
-- github.com/BurntSushi/toml COPYING --

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```

-- github.com/google/go-cmp LICENSE --

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`

```
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package copyright

import (
 "strings"
 "testing"
)

func TestToolsCopyright(t *testing.T) {
 files, err := checkCopyright("..")
 if err != nil {
  t.Fatal(err)
 }
 if len(files) > 0 {
  t.Errorf("The following files are missing copyright notices:\n%s", strings.Join(files, "\n"))
 }
}
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```

```
// Package copyright checks that files have the correct copyright notices.
package copyright

import (
 "go/ast"
 "go/parser"
 "go/token"
 "io/fs"
 "os"
 "path/filepath"
 "regexp"
 "strings"
)

func checkCopyright(dir string) ([]string, error) {
 var files []string
 err := filepath.WalkDir(dir, func(path string, d fs.DirEntry, err error) error {
  if err != nil {
   return err
  }
  if d.IsDir() {
   // Skip directories like ".git".
   if strings.HasPrefix(d.Name(), ".") {
    return filepath.SkipDir
   }
   // Skip any directory that starts with an underscore, as the go
   // command would.
   if strings.HasPrefix(d.Name(), "_") {
    return filepath.SkipDir
   }
   return nil
  }
  needsCopyright, err := checkFile(dir, path)
  if err != nil {
   return err
  }
  if needsCopyright {
   files = append(files, path)
  }
  return nil
 })
 return
 files, err
}

var copyrightRe = regexp.MustCompile(`Copyright \d{4} The Go Authors. All rights reserved.
Use of this source code is governed by a BSD-style
```

```
license that can be found in the LICENSE file.`)

func checkFile(toolsDir, filename string) (bool, error) {
 // Only check Go files.
 if !strings.HasSuffix(filename, "go") {
  return false, nil
 }
 // Don't check testdata files.
 normalized := strings.TrimPrefix(filepath.ToSlash(filename), filepath.ToSlash(toolsDir))
 if strings.Contains(normalized, "/testdata/") {
  return false, nil
 }
 // goyacc is the only file with a different copyright header.
 if strings.HasSuffix(normalized, "cmd/goyacc/yacc.go") {
  return false, nil
 }
 content, err := os.ReadFile(filename)
 if err != nil {
  return false, err
 }
 fset := token.NewFileSet()
 parsed, err := parser.ParseFile(fset, filename, content, parser.ParseComments)
 if err != nil {
  return false, err
 }
 // Don't require headers on generated files.
 if isGenerated(fset,
 parsed) {
  return false, nil
 }
 shouldAddCopyright := true
 for _, c := range parsed.Comments {
  // The copyright should appear before the package declaration.
  if c.Pos() > parsed.Package {
   break
  }
  if copyrightRe.MatchString(c.Text()) {
   shouldAddCopyright = false
   break
  }
 }
 return shouldAddCopyright, nil
}

// Copied from golang.org/x/tools/gopls/internal/golang/util.go.
// Matches cgo generated comment as well as the proposed standard:
//
// https://golang.org/s/generatedcode
```

```
var generatedRx = regexp.MustCompile(`// .*DO NOT EDIT\.?`)

func isGenerated(fset *token.FileSet, file *ast.File) bool {
 for _, commentGroup := range file.Comments {
  for _, comment := range commentGroup.List {
   if matched := generatedRx.MatchString(comment.Text); !matched {
    continue
   }
   // Check if comment is at the beginning of the line in source.
   if pos := fset.Position(comment.Slash); pos.Column == 1 {
    return true
   }
  }
 }
 return false
}
```

1.6958 cmux 0.1.4

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#
# Auto-generated with:
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#
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1.6959 bbolt 1.3.3

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1.6960 system-validators 1.8.0

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1.6961 codegangsta-cli 2.27.3

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1.6962 go-urn 0.0.0-20181204092800-a67a23e1c1af

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1.6966 cri-client 0.31.0-rc.1

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1.6968 wireguard-wgctrl 0.0.0-20200324154536-ceff61240acf

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1.6969 zope-interface 5.5.2

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1.6970 genproto-googleapis-rpc 0.0.0-20231120223509-83a465c0220f

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1.6971 cni 1.0.1

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1.6972 kubelet 0.31.0-rc.1

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1.6973 corefile-migration 1.0.23

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```
package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
 Plugin     string
 Option     string
 Severity   string // 'deprecated', 'removed', or 'unsupported'
 ReplacedBy string
 Additional string
```

```
 Version    string
}

func (n *Notice) ToString() string {
 s := ""
 if n.Option == "" {
  s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
 } else {
  s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
 }
 if n.Severity == SevUnsupported {
  s += "is unsupported by this migration tool in " + n.Version + "."
 } else if n.Severity == SevNewDefault {
  s += "is added as a default in " + n.Version + "."
 } else {
  s += "is " + n.Severity + " in " + n.Version + "."
 }
 if n.ReplacedBy != "" {
  s += fmt.Sprintf(` It is replaced by "%v".`, n.ReplacedBy)
 }
 if n.Additional != "" {
  s += " " + n.Additional
 }
 return s
}

const (
 // The following statuses are used to indicate the state of support/deprecation in a given release.
 SevDeprecated  = "deprecated"
  // deprecated, but still completely functional
 SevIgnored     = "ignored"     // if included in the corefile, it will be ignored by CoreDNS
 SevRemoved     = "removed"     // completely removed from CoreDNS, and would cause CoreDNS to exit if present
in the Corefile
 SevNewDefault  = "newdefault"  // added to the default corefile.  CoreDNS may not function properly if it is not
present in the corefile.
 SevUnsupported = "unsupported" // the plugin/option is not supported by the migration tool

 // The following statuses are used for selecting/filtering notifications
 SevAll = "all" // show all statuses
)
```

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1.6975 zapr 1.3.0

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1.6979 zap-exp 1.10.0

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1.6981 knftables 0.0.17

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1.6982 x-exp 0.0.0-20230515195305-f3d0a9c9a5cc

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1.6983 apiserver-network-proxy-konnectivity-client 0.30.3

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1.6984 aws-sdk-go-v2-service-ec2 1.148.0

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```
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package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/aws/signer/v4"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. Upgrading to Grafana
// Enterprise incurs additional fees. For more information, see Upgrade a
// workspace to Grafana Enterprise (https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-Grafana-Enterprise.html)
// .
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "AssociateLicense", params, optFns,
c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil,
 err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {
```

```
 // The type of license to associate with the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err !=
 nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
```

```
 }
 if err = awsmiddleware.AddClientRequestIDMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddComputeContentLengthMiddleware(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = v4.AddComputePayloadSHA256Middleware(stack); err != nil {
  return err
 }
 if err = addRetryMiddlewares(stack, options); err != nil {
  return err
 }
 if err = awsmiddleware.AddRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecordResponseTiming(stack);
 err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack,
 options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
```

AWS SDK for Go

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```
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
       uses: actions/checkout@v2
       with:
         path: new-ref
         fetch-depth: 0
     - name: Get Diff
```

```
      run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
    - name: Get Target Files
      run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
    - name: Checkout scancode
      uses: actions/checkout@v2
      with:
        repository: nexB/scancode-toolkit
        path: scancode-toolkit
        fetch-depth: 1
    - name: Set up Python ${{ matrix.python-version }}
       uses: actions/setup-python@v2
      with:
        python-version: ${{ matrix.python-version }}
    # ScanCode
    - name: Self-configure scancode
      working-directory: ./scancode-toolkit
      run: ./scancode --help
    - name: Run Scan code on target
      run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
    - name: Run Scan code on pr ref
      run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/aws/signer/v4"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }
```

```
 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary
 *string

 noSmithyDocumentSerde
}

type CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }
```

```
if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = awsmiddleware.AddClientRequestIDMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddComputeContentLengthMiddleware(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = v4.AddComputePayloadSHA256Middleware(stack); err != nil {
 return err
}
if err = addRetryMiddlewares(stack, options); err != nil {
 return err
}
if err = awsmiddleware.AddRawResponseToMetadata(stack); err != nil {
 return err
}
if err = awsmiddleware.AddRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
 return
err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
 return err
}
```

```
 if err = awsmiddleware.AddRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
 }
}
{
  "smithy": "2.0",
  "shapes": {
      "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
          "type": "integer"
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
          "type": "long"
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
          "type": "structure",
          "members": {
              "Name": {
                  "target": "smithy.api#String",
                  "traits": {
                      "smithy.api#documentation": "<p>The type of name to filter by.</p>"
                  }
              },
              "Values": {
                  "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                  "traits": {
                      "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
```

```
            }
        },
        "Operator": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
            "traits": {
                "smithy.api#documentation": "<p>An operator for filtering results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe
operation.\n      Filters can be used to match a set of resources by specific criteria.</p>"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
    },
    "output": {

      "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the Linux subscriptions service settings.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/subscription/GetServiceSettings"
        },
        "smithy.api#idempotent": {}
```

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest":
 {
        "type": "structure",
        "members": {}
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
                    "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
                }
            },
            "LinuxSubscriptionsDiscoverySettings": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
                "traits": {
                    "smithy.api#documentation": "<p>Lists the settings defined for Linux subscriptions discovery. The
settings include if\n      Organizations integration has been enabled, and
 which Regions data will be aggregated from.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
                "traits": {
                    "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
                }
            },
            "HomeRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>The Region in which License Manager displays
 the aggregated data for Linux\n      subscriptions.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
```

"type": "structure",
"members": {
"AmiId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The AMI ID used to launch the instance. "
}
},
"InstanceID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The instance ID of the resource. "
}
},
"InstanceType": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The instance type of the resource. "
}

},
"AccountID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The account ID which owns the instance. "
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the instance. "
}
},
"Region": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},

"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the subscription being used by the instance. "
}
}
},
"traits": {
"smithy.api#documentation": " Details discovered information about a running instance using Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
"type": "service",
"version": "2018-05-10",

"operations": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
}
],

"traits": {
"aws.api#service": {
"sdkId": "License Manager Linux Subscriptions",
"arnNamespace": "license-manager-linux-subscriptions",
"cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
},
"aws.auth#sigv4": {
"name": "license-manager-linux-subscriptions"
},
"aws.protocols#restJson1": {},
"smithy.api#cors": {
"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id",
"content-length",
"x-api-key",
"authorization",
"x-amz-date",

"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]

},
"smithy.api#documentation": " With License Manager, you can discover and track your commercial Linux subscriptions on running\n Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",

"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
},
"rules": [
{
"conditions": [
{
"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
]

```
    }
  ],
  "type": "tree",
  "rules": [
    {

    "conditions": [
          {
            "fn": "booleanEquals",
            "argv": [
              {
                "ref": "UseFIPS"
              },
              true
            ]
          }
        ],
        "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
        "type": "error"
    },
    {
        "conditions": [],
        "type": "tree",
        "rules": [
          {

      "conditions": [
              {
                "fn": "booleanEquals",
                "argv": [
                  {
                    "ref": "UseDualStack"
                  },
                  true
                ]
              }
            ],
            "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
            "type": "error"
          },
          {
            "conditions": [],

"endpoint": {
              "url": {
                "ref": "Endpoint"
              },
              "properties": {},
```

```
                "headers": {}
            },
            "type": "endpoint"
        }
    ]
  }
]
},
{
  "conditions": [],
  "type": "tree",
  "rules": [
    {
      "conditions": [
        {
          "fn": "isSet",

"argv": [
                {
                  "ref": "Region"
                }
            ]
        }
      ],
      "type": "tree",
      "rules": [
        {
          "conditions": [
            {
              "fn": "aws.partition",
              "argv": [
                {
                  "ref": "Region"
                }
              ],

"assign": "PartitionResult"
                }
            ],
            "type": "tree",
            "rules": [
              {
                "conditions": [
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      {
                        "ref": "UseFIPS"
```

```
                    },
                    true
                ]
            },

        {
            "fn": "booleanEquals",
            "argv": [
                {
                    "ref": "UseDualStack"
                },
                true
            ]
        }
    ],
    "type": "tree",
    "rules": [
        {
            "conditions": [
                {

            "fn": "booleanEquals",
                "argv": [
                    true,
                    {
                        "fn": "getAttr",
                        "argv": [
                            {
                                "ref": "PartitionResult"
                            },
                            "supportsFIPS"
                        ]

}
                ]
            },
            {
                "fn": "booleanEquals",
                "argv": [
                    true,
                    {
                        "fn": "getAttr",
                        "argv": [
                            {
                                "ref": "PartitionResult"
                            },
```

"supportsDualStack"
]
}
]
}
],
"type": "tree",
"rules": [
{
"conditions": [],
"type": "tree",
"rules": [
{

"conditions": [],
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
}
]

},
{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
]
},
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{

"ref": "UseFIPS"
},
true
]
}

```
                                    ],
                                    "type": "tree",
                                    "rules": [
                                        {
                                            "conditions": [
                                                {
                                                    "fn": "booleanEquals",
                                                    "argv": [
                                                        true,

{
                                                        "fn": "getAttr",
                                                        "argv": [
                                                            {
                                                                "ref": "PartitionResult"
                                                            },
                                                            "supportsFIPS"
                                                        ]
                                                    }
                                                ]
                                            }
                                        ],
                                        "type": "tree",

                                "rules": [
                                            {
                                                "conditions": [],
                                                "type": "tree",
                                                "rules": [
                                                    {
                                                        "conditions": [],
                                                        "endpoint": {
                                                            "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
                                                            "properties": {},
                                                            "headers": {}

                                                        },
                                                        "type": "endpoint"
                                                    }
                                                ]
                                            }
                                        ]
                                    },
                                    {
                                        "conditions": [],
                                        "error": "FIPS is enabled but this partition does not support FIPS",
                                        "type": "error"
```

```
                    }
                ]

},
                {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            {
                                "ref": "UseDualStack"
                            },
                            true
                        ]
                    }
                ],
                "type": "tree",
                "rules": [
                    {

                "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    true,
                                    {
                                        "fn": "getAttr",
                                        "argv": [
                                            {
                                                "ref": "PartitionResult"
                                            },
                                            "supportsDualStack"
                                        ]
                                    }
                                ]
                            }
                        ],
                        "type": "tree",
                        "rules": [
                            {
                                "conditions": [],
                                "type": "tree",
                                "rules": [
                                    {
                                        "conditions": [],

                                "endpoint": {
                                            "url": "https://license-manager-linux-
```

subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
}
]
},

{
"conditions": [],
"error": "DualStack is enabled but this partition does not support DualStack",
"type": "error"
}
]
},
{
"conditions": [],
"type": "tree",
"rules": [
{
"conditions": [],
"endpoint": {
"url":
"https://license-manager-linux-subscriptions.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
}
]
}
]
},
{
"conditions": [],
"error": "Invalid Configuration: Missing Region",
"type": "error"
}
]
}
]
},
"smithy.rules#endpointTests": {

"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {

"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
}
},

```
    "params": {
      "Region": "us-east-1",
      "UseFIPS": false,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
    "expect": {
      "endpoint": {

    "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
      }
    },
    "params": {
      "Region": "cn-north-1",
      "UseFIPS": true,
      "UseDualStack": true
    }
  },
  {
    "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
      }
    },
    "params": {
      "Region": "cn-north-1",
      "UseFIPS": true,
       "UseDualStack": false
    }
  },
  {
    "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
      }
    },
    "params": {
      "Region": "cn-north-1",
      "UseFIPS": false,
      "UseDualStack": true
    }
  },
  {
    "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
```

"expect": {
"endpoint":
{
"url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint":
{
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",

"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",

"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {

"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled
and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"

```
            },
            "params": {
              "Region": "us-isob-east-1",
              "UseFIPS": false,
              "UseDualStack": true
            }
          },
          {
            "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
              }
            },
            "params": {
              "Region": "us-isob-east-1",

        "UseFIPS": false,
              "UseDualStack": false
            }
          },
          {
            "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
            "expect": {
              "endpoint": {
                "url": "https://example.com"
              }
            },
            "params": {
              "Region": "us-east-1",
              "UseFIPS": false,
              "UseDualStack": false,
              "Endpoint": "https://example.com"
            }
          },
          {
            "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",

          "expect": {
              "endpoint": {
                "url": "https://example.com"
              }
            },
            "params": {
              "UseFIPS": false,
              "UseDualStack": false,
              "Endpoint": "https://example.com"
```

```
                }
            },
            {
                "documentation": "For custom endpoint with fips enabled and dualstack disabled",
                "expect": {
                    "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
                },
                "params": {
                    "Region": "us-east-1",
                    "UseFIPS": true,
                    "UseDualStack": false,

        "Endpoint": "https://example.com"
                }
            },
            {
                "documentation": "For custom endpoint with fips disabled and dualstack enabled",
                "expect": {
                    "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
                },
                "params": {
                    "Region": "us-east-1",
                    "UseFIPS": false,
                    "UseDualStack": true,
                    "Endpoint": "https://example.com"
                }
            },
            {
                "documentation": "Missing region",
                "expect": {
                    "error": "Invalid Configuration: Missing Region"
                }

      }
          ],
          "version": "1.0"
        }
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
    "type": "string",
    "traits": {
        "smithy.api#enum": [
            {
                "name": "Enabled",
                "value": "Enabled",
                "documentation": "Enabled LinuxSubscriptionsDiscovery"
            },
```

```
                {
                    "name": "Disabled",
                    "value": "Disabled",
                    "documentation": "Disabled LinuxSubscriptionsDiscovery"
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
        "type": "structure",
        "members": {
            "SourceRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                 "traits": {
                    "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "OrganizationIntegration": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
                "traits": {
                    "smithy.api#documentation": "<p>Details if you have enabled resource discovery across your
accounts in Organizations.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
        "type":
 "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
```

```
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the running Amazon EC2 instances that were discovered with
commercial Linux\n      subscriptions.</p>",
            "smithy.api#http": {

      "code": 200,
                "method": "POST",
                "uri": "/subscription/ListLinuxSubscriptionInstances"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "Instances"
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify. For example, you can filter by
 the name of\n        <code>AmiID</code> with an optional operator to see subscriptions that match, partially\n
match, or don't match a certain Amazon Machine Image (AMI) ID.</p>\n        <p>The valid names for this filter
are:</p>\n        <ul>\n            <li>\n                <p>\n                <code>AmiID</code>\n                </p>\n
</li>\n            <li>\n                <p>\n                <code>InstanceID</code>\n                </p>\n            </li>\n
<li>\n                <p>\n                <code>AccountID</code>\n                </p>\n            </li>\n            <li>\n
<p>\n                <code>Status</code>\n                </p>\n            </li>\n            <li>\n                <p>\n
<code>Region</code>\n                </p>\n            </li>\n            <li>\n                <p>\n
<code>UsageOperation</code>\n                </p>\n            </li>\n            <li>\n
    <p>\n                <code>ProductCode</code>\n                </p>\n            </li>\n            <li>\n                <p>\n
     <code>InstanceType</code>\n                </p>\n            </li>\n        </ul>\n        <p>The valid Operators for this
filter are:</p>\n        <ul>\n            <li>\n                <p>\n                <code>contains</code>\n                </p>\n
</li>\n            <li>\n                <p>\n                <code>equals</code>\n                </p>\n            </li>\n            <li>\n
        <p>\n                <code>Notequal</code>\n                </p>\n            </li>\n        </ul>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
```

"smithy.api#documentation": " Maximum number of results to return in a single call. "

}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
"type": "structure",
"members": {
"Instances": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
"traits": {
"smithy.api#documentation": " An array that contains instance objects. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptions"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Subscriptions"
}

}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't match a certain subscription's name. \n The valid names for this filter are: \n \n \n \n <code>Subscription</code>\n \n \n \n The valid Operators for this filter are: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. ",
"smithy.api#length": {

"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
"type": "structure",
"members": {
"Subscriptions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
"traits": {
"smithy.api#documentation": " An array that contains subscription objects. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "EQUAL",
"value": "Equal",
"documentation": "Equal operator"
},
{

```
                "name": "NOT_EQUAL",
                "value": "NotEqual",
                "documentation": "Not equal operator"
            },
            {
                "name": "CONTAINS",
                "value": "Contains",
                "documentation": "Contains operator"
            }
        ],
        "smithy.api#length": {
            "min": 1,
            "max": 20
        }
    }
  },

"com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration": {
    "type": "string",
    "traits": {
        "smithy.api#enum": [
            {
                "name": "Enabled",
                "value": "Enabled",
                "documentation": "Enabled OrganizationIntegration"
            },
            {
                "name": "Disabled",
                "value": "Disabled",
                "documentation": "Disabled OrganizationIntegration"
            }
        ]
    }
  },
  "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String"
    }
  },
  "com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
    "type": "string",
    "traits": {
        "smithy.api#enum": [

 {
                "name": "InProgress",
                "value": "InProgress",
```

"documentation": "InProgress status"
},
{
"name": "Completed",
"value": "Completed",
"documentation": "Completed status"
},
{
"name": "Successful",
"value": "Successful",
"documentation": "Successful status"
},
{
"name": "Failed",
"value": "Failed",
"documentation": "Failed status"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#length": {
"min": 1,
"max": 100
}
}
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
},
"smithy.api#uniqueItems": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
}

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the subscription.</p>"

        }
            },
            "Type": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included
with Amazon EC2, Bring Your Own\n      Subscription model (BYOS), or from the Amazon Web Services
Marketplace. Certain subscriptions may use licensing from the\n      Amazon Web Services Marketplace as well as
OS licensing from Amazon EC2 or BYOS.</p>"
                }
            },
            "InstanceCount": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>The total amount of running instances using this subscription.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>An object which details a discovered Linux
 subscription.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The request was denied due to request throttling.</p>",
            "smithy.api#error": "client"
```

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
        },

    "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates the service settings for Linux subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/UpdateServiceSettings"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest":
{
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
                    "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
                    "smithy.api#required": {}
                }
            },
            "LinuxSubscriptionsDiscoverySettings": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
                "traits": {
                    "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The
settings include if Organizations\n      integration has been enabled, and which Regions data will be aggregated
```

from. ",

"smithy.api#required": {}
}
},
"AllowUpdate": {
"target": "smithy.api#Boolean",
"traits": {
"smithy.api#documentation": " Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},

"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation":
" A message which details the Linux subscriptions service settings current status. "
}
},
"HomeRegions": {

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The provided input is not valid. Try your request again. ",
"smithy.api#error": "client"
}
}
}
}

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/aws/signer/v4"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }
```

```
 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //   - Beneficiary
 //   - ProductSKU
 //   - Fingerprint
 //
   - Status
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
```

```
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
if err != nil {
 return err
}
if
err := addProtocolFinalizerMiddlewares(stack, options, "ListLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = awsmiddleware.AddClientRequestIDMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddComputeContentLengthMiddleware(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = v4.AddComputePayloadSHA256Middleware(stack); err != nil {
 return err
}
if err = addRetryMiddlewares(stack, options); err != nil {
 return err
}
if err = awsmiddleware.AddRawResponseToMetadata(stack); err != nil {
 return err
}
if err = awsmiddleware.AddRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
```

```
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = awsmiddleware.AddRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:
     ServiceID,
  OperationName: "ListLicenses",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/aws/signer/v4"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
```

```
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 //
 This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
```

```
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
}
err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack,
options, "DisassociateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = awsmiddleware.AddClientRequestIDMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddComputeContentLengthMiddleware(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = v4.AddComputePayloadSHA256Middleware(stack); err != nil {
 return err
}
if err = addRetryMiddlewares(stack, options); err != nil {
 return err
}
if err = awsmiddleware.AddRawResponseToMetadata(stack); err != nil {
 return err
}
if err = awsmiddleware.AddRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
```

```
 err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
```

```
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/aws/signer/v4"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license. If the account that created the license is
// the same that is performing the check out, you must specify the account as the
// beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type
 CheckoutLicenseInput struct {

 // Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData
```

```
 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource
 Name (ARN) of the checkout license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata
```

```
 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil
 {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = awsmiddleware.AddClientRequestIDMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddComputeContentLengthMiddleware(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = v4.AddComputePayloadSHA256Middleware(stack); err != nil {
  return err
 }
 if err = addRetryMiddlewares(stack, options); err != nil {
  return err
 }
 if err = awsmiddleware.AddRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecordResponseTiming(stack); err != nil {
  return err
 }
```

```
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack);
 err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.
```

```
package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/aws/signer/v4"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier
 that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see RFC 7518 Digital Signature with
 // RSASSA-PSS (https://tools.ietf.org/html/rfc7518#section-3.5) .
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
```

```
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata
```

```
 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = awsmiddleware.AddClientRequestIDMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddComputeContentLengthMiddleware(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = v4.AddComputePayloadSHA256Middleware(stack); err != nil {
  return err
 }
 if err = addRetryMiddlewares(stack, options); err != nil {
  return err
 }
 if err = awsmiddleware.AddRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecordResponseTiming(stack); err != nil {
  return err
 }
```

```
 if err = addClientUserAgent(stack, options); err != nil {
  return
 err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.
```

```
package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/aws/signer/v4"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide
 to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
```

```
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.Entitlement

 // Home Region for the license.
 //
 // This member is required.
 HomeRegion *string

 // License issuer.
 //
 // This member is required.
 Issuer *types.Issuer

 // License name.
 //
 // This member is required.
 LicenseName *string

 // Product name.
 //
 // This member is required.
 ProductName *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // Date and time range during which the license is valid, in ISO8601-UTC format.
 //
 // This member is required.
 Validity
 *types.DatetimeRange

 // Information about the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
```

```
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
  return fmt.Errorf("add
 protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = awsmiddleware.AddClientRequestIDMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddComputeContentLengthMiddleware(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = v4.AddComputePayloadSHA256Middleware(stack); err != nil {
  return err
```

```
 }
 if err = addRetryMiddlewares(stack, options); err != nil {
  return err
 }
 if err = awsmiddleware.AddRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack);
 err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}
```

```
func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName:
 "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/aws/signer/v4"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
```

```
 Version
 *string

 noSmithyDocumentSerde
}

type GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return
 err
 }
 if err = awsmiddleware.AddClientRequestIDMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddComputeContentLengthMiddleware(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
```

```
 }
 if err = v4.AddComputePayloadSHA256Middleware(stack); err != nil {
  return err
 }
 if err = addRetryMiddlewares(stack, options); err != nil {
  return err
 }
 if err = awsmiddleware.AddRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addOpGetLicenseValidationMiddleware(stack);
 err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = awsmiddleware.AddRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
```

```
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
```

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```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/aws/signer/v4"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
```

```
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
   - ProductSKU
 //   - Status
 //   - Fingerprint
 //   - IssuerName
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
```

```
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = awsmiddleware.AddClientRequestIDMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddComputeContentLengthMiddleware(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = v4.AddComputePayloadSHA256Middleware(stack); err != nil {
  return err
 }
 if err = addRetryMiddlewares(stack, options); err != nil {
```

```
 return err
 }
 if err = awsmiddleware.AddRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecordResponseTiming(stack);
 err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
```

OperationName: "ListReceivedLicenses",
}
}

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```
{
  "smithy": "2.0",
  "shapes": {
    "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
      "type": "structure",
      "members": {
        "message": {
          "target": "smithy.api#String"
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
        "smithy.api#error": "client"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
      "type": "structure",
      "members": {
        "DirectoryId": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
          }
        }
      },
      "traits": {
```

"smithy.api#documentation":
" Details about an Active Directory identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Associates the user to an EC2 instance to utilize user-based subscriptions. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your\n monthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/AssociateUser"
},
"smithy.api#idempotent": {}

```
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the
EC2 instance, which provides user-based subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>The identity provider of the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
        "type": "structure",
        "members": {
            "InstanceUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
                 "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
```

```
        "type": "integer"
    },
    "com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The request couldn't be completed because it conflicted with the current
state of the\n      resource.</p>",
            "smithy.api#error": "server"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider":
 {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
```

"smithy.api#documentation": " Deregisters the identity provider from providing user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/DeregisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
},
"output": {

"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Disassociates the user from an EC2 instance providing user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/DisassociateUser"
},
"smithy.api#idempotent": {}
}

},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
}
},

"com.amazonaws.licensemanagerusersubscriptions#Filter": {
"type": "structure",
"members": {
"Attribute": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of an attribute to use as a filter. "
}
},
"Operation": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The type of search (For example, eq, geq, leq) "
}
},
"Value": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Value of the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used
to return more specific results from a describe\n operation. Filters can be used to match a set of resources by
specific criteria, such as tags,\n attributes, or IDs. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
"type": "union",
"members": {
"ActiveDirectoryIdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
"traits": {
"smithy.api#documentation": " An object that details an Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation":
" Details about an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Settings": {

"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " An object that details the registered identity providers product related configuration\n settings such as the subnets to provision VPC endpoints. ",
"smithy.api#required":
{}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of an identity provider. ",
"smithy.api#required": {}
}
},
"FailureMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The failure message associated with an identity provider. "
}
}
},
"traits": {
"smithy.api#documentation":
" Describes an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",

"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status
of an EC2 instance resource. ",
"smithy.api#required": {}
}
},
"Products": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
"traits": {
"smithy.api#documentation": " A list of provided user-based subscription products. ",
"smithy.api#required": {}
}
},
"LastStatusCheckDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date of the last status check. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for an EC2 instance. "
}

}
},
"traits": {
"smithy.api#documentation": " Describes an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a user associated with an EC2 instance. ",
"smithy.api#required": {}
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for users of an EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},
"AssociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was associated with an EC2 instance. "
}
},
"DisassociationDate": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The date a user was disassociated from an EC2 instance. "
}
}

},
"traits": {
"smithy.api#documentation": " Describes users of an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
"type": "service",

"version": "2018-05-10",
"operations": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
},

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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"

        },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
            }
        ],
        "traits": {
            "aws.api#service": {
                "sdkId": "License Manager User Subscriptions",
                "arnNamespace": "license-manager-user-subscriptions",
                "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
            },
            "aws.auth#sigv4": {
                "name": "license-manager-user-subscriptions"
             },
            "aws.protocols#restJson1": {},
            "smithy.api#cors": {
                "additionalAllowedHeaders": [
                    "*",
                    "content-type",
                    "x-amz-content-sha256",
                    "x-amz-user-agent",
                    "x-amzn-platform-id",
                    "x-amzn-trace-id",
                    "content-length",
                    "x-api-key",
                    "authorization",
                    "x-amz-date",
                    "x-amz-security-token",
                    "Access-Control-Allow-Headers",
                    "Access-Control-Allow-Methods",
                    "Access-Control-Allow-Origin"
                ],
                "additionalExposedHeaders": [
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"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"

]
},
"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n a per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}

},
"rules": [
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{
"fn": "isSet",
"argv": [

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                {
                    "ref": "Endpoint"
                }
            ]
        }
    ],
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    "rules": [
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            "conditions": [
                {
                    "fn": "booleanEquals",
                    "argv": [
                        {
                            "ref": "UseFIPS"
                        },

                    true
                    ]
                }
            ],
            "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
            "type": "error"
        },
        {
            "conditions": [
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                    "fn": "booleanEquals",
                    "argv": [
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                            "ref": "UseDualStack"
                        },
                        true
                    ]
                }
            ],

"error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
            "type": "error"
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            "conditions": [],
            "endpoint": {
                "url": {
                    "ref": "Endpoint"
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                "properties": {},
                "headers": {}
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                "type": "endpoint"
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                "argv": [

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                    "ref": "Region"
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                        "fn": "aws.partition",
                        "argv": [
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                                "ref": "Region"
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                        "assign": "PartitionResult"
                    }
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                "type": "tree",

"rules": [
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                                "argv": [
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                                    },
                                    true
                                ]
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                            {
                                "fn": "booleanEquals",
                                "argv": [
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                    {
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                    true
                ]
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                        "argv": [
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                            {
                                "fn": "getAttr",

"argv": [
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                                        "ref": "PartitionResult"
                                    },
                                    "supportsFIPS"
                                ]
                            }
                        ]
                    },
                    {
                        "fn": "booleanEquals",
                        "argv": [
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                            {

"fn": "getAttr",
                                "argv": [
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                                        "ref": "PartitionResult"
                                    },
                                    "supportsDualStack"
                                ]
                            }
                        ]
                    }
                ],
                "type": "tree",
                "rules": [
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"conditions": [],
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
},
{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
]
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{
"conditions": [
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"fn": "booleanEquals",
"argv": [
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"ref": "UseFIPS"
},
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]
}
],
"type": "tree",

"rules": [
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"conditions": [
{
"fn": "booleanEquals",
"argv": [
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{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsFIPS"

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                    ]
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                    ]
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            "type": "tree",
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                    "conditions": [],
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fips.{Region}.{PartitionResult#dnsSuffix}",
                        "properties": {},
                        "headers": {}

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                    "type": "endpoint"
                }
            ]
        },
        {
            "conditions": [],
            "error": "FIPS is enabled but this partition does not support FIPS",
            "type": "error"
        }
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},
{
    "conditions": [
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            "fn": "booleanEquals",
            "argv": [
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                    "ref": "UseDualStack"
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        }
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    "rules": [
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            "conditions": [
                {
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                    "argv": [
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                                    {

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                                          "ref": "PartitionResult"
                                        },
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subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                    "properties": {},
                                    "headers": {}
                                  },
                                  "type": "endpoint"
                                }
                              ]
                            },
                            {
                              "conditions": [],
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 not support DualStack",
                              "type": "error"
                            }
                          ]
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                            "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
                            "properties": {},
                            "headers": {}
                          },
                          "type": "endpoint"
                        }
                      ]
                    }
```

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                ]
            },
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                "conditions":
[],
                "error": "Invalid Configuration: Missing Region",
                "type": "error"
            }
        ]
    },
    "smithy.rules#endpointTests": {
        "testCases": [
            {
                "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
                    }
                },
                "params": {
                    "Region": "us-east-1",
                    "UseFIPS": true,
                    "UseDualStack": true
                }
            },
            {
                "documentation":
"For region us-east-1 with FIPS enabled and DualStack disabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
                    }
                },
                "params": {
                    "Region": "us-east-1",
                    "UseFIPS": true,
                    "UseDualStack": false
                }
            },
            {
                "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
                    }
                },
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with
FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},

"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},

{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1
with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1
with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect":

{
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack":
true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but
this partition does not support one or both"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},

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            {
              "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
                }
              },
              "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": true,
                "UseDualStack": false
              }

        },
            {
              "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
              "expect": {
                "error": "DualStack is enabled but this partition does not support DualStack"
              },
              "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": false,
                "UseDualStack": true
              }
            },
            {
              "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
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                }
              },
               "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://example.com"
                }
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
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"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
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},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}

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            ],
            "version": "1.0"
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
           },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists the identity providers for user-based subscriptions.</p>",
          "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/identity-provider/ListIdentityProviders"
          },
          "smithy.api#paginated":
{
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
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            "items": "IdentityProviderSummaries"
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
        "type": "structure",
        "members": {
          "MaxResults": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse":
{
        "type": "structure",
        "members": {
          "IdentityProviderSummaries": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
            "traits": {
              "smithy.api#documentation": "<p>Metadata that describes the list identity providers operation.</p>",
              "smithy.api#required": {}
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
         },
        "output": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
        },
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    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/instance/ListInstances"
        },
        "smithy.api#paginated": {
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
            "items": "InstanceSummaries"
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
    "type": "structure",
    "members": {
        "MaxResults": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
```

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
"type": "structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list instances operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the user-based subscription products available from an identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListProductSubscriptions"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "ProductUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
"type": "structure",
"members": {
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}

```
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
                "traits": {

  "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those that match
one or\n      more sets of key-value pairs that you specify.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
        "type": "structure",
        "members": {
            "ProductUserSummaries": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the list product subscriptions
operation.</p>"
                }
            },

     "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
        },
        "output": {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target":
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists user associations for an identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListUserAssociations"
},
"smithy.api#paginated":
{
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
"type": "structure",
"members": {
"InstanceUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list user association operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "

```
            }
        }
    }
  },
  "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
    "type": "structure",
    "members": {

    "Username": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
                "smithy.api#required": {}
            }
        },
        "Product": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                "smithy.api#required": {}
            }
        },
        "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
                "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                "smithy.api#required": {}
            }

},
        "Status": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The status of a product for a user.</p>",
                "smithy.api#required": {}
            }
        },
        "StatusMessage": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The status message for a product for a user.</p>"
            }
        },
        "Domain": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The domain name of the user.</p>"
            }
```

```
            },
            "SubscriptionStartDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The
start date of a subscription.</p>"
                }
            },
            "SubscriptionEndDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The end date of a subscription.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The summary of the user-based subscription products for a user.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
         },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
```

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            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/RegisterIdentityProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity
provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "Settings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
                "traits": {
                    "smithy.api#documentation": "<p>The registered identity providers product related configuration
settings such as the\n      subnets to provision VPC endpoints.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
        "type": "structure",
        "members": {
```

"IdentityProviderSummary":
{
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The resource couldn't be found. ",
"smithy.api#error": "client",
"smithy.api#httpError": 404
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
"type": "string",

"traits": {
"smithy.api#length": {
"min": 5,
"max": 200
},
"smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request failed because a service quota is exceeded. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Settings": {

"type": "structure",
"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation":
" The subnets defined for the registered identity provider. ",
"smithy.api#length": {
"min": 1
},
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688
communication between resources in\n your VPC and the VPC endpoint for activation servers. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings
such as the\n subnets to provision VPC endpoints, and the security group ID that
is associated with the VPC\n endpoints. The security group should permit inbound TCP port 1688
communication from resources\n in the VPC. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Starts a product subscription for a user with the specified identity provider. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing.
For more information, see Viewing your\n monthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StartProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",

"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"

},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"

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            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Stops a product subscription for a user with the specified identity
provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/StopProductSubscription"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required":
{}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
```

```
            }
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
          "type": "structure",
          "members": {
            "ProductUserSummary": {
              "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
              "traits": {
                "smithy.api#documentation":
 "<p>Metadata that describes the start product subscription operation.</p>",
                "smithy.api#required": {}
              }
            }
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#StringList": {
          "type": "list",
          "member": {
            "target": "smithy.api#String"
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#Subnet": {
          "type": "string",
          "traits": {
            "smithy.api#pattern": "subnet-[a-z0-9]{8,17}"
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#Subnets": {
          "type": "list",
          "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
          "type": "structure",
          "members": {
            "message": {

             "target": "smithy.api#String"
            }
          },
          "traits": {
            "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the
request.</p>",
            "smithy.api#error": "client"
          }
        },
```

"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates additional product configuration settings for the registered identity\n provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/UpdateIdentityProviderSettings"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}

```
            },
            "UpdateSettings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
                "traits": {
                    "smithy.api#documentation": "<p>Updates the registered identity providers product related
configuration settings. You can\n      update any combination of settings in a single operation such as the:</p>\n
<ul>\n            <li>\n              <p>Subnets which you want to add to provision VPC endpoints.</p>\n            </li>\n
          <li>\n              <p>Subnets which you want to remove the VPC endpoints from.</p>\n            </li>\n
<li>\n              <p>Security group ID which permits traffic to the VPC endpoints.</p>\n            </li>\n        </ul>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
        "type": "structure",
        "members": {
            "IdentityProviderSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
                "traits": {
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
        "type": "structure",
        "members": {
            "AddSubnets": {

         "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of one or more subnets in which License Manager will
create a VPC endpoint for products that\n      require connectivity to activation servers.</p>",
                    "smithy.api#required": {}
                }
            },
            "RemoveSubnets": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of one or more subnets to remove.</p>",
                    "smithy.api#required": {}
                }
            },
            "SecurityGroupId": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
                "traits": {
                    "smithy.api#documentation": "<p>A security group ID
```

that allows inbound TCP port 1688 communication between resources in\n your VPC and the VPC endpoints for activation servers. "
}
}
},
"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related configuration settings such as\n the subnets to provision VPC endpoints. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " A parameter is not valid. ",
"smithy.api#error": "client"
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        "type": "service",
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            "target": "com.amazonaws.licensemanager#CheckoutLicense"
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            "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
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            "target": "com.amazonaws.licensemanager#CreateToken"
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    {
      "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

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      "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
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      "target": "com.amazonaws.licensemanager#GetLicenseUsage"
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      "target": "com.amazonaws.licensemanager#GetServiceSettings"
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"arnNamespace": "license-manager",
"cloudFormationName": "LicenseManager",
"cloudTrailEventSource": "licensemanager.amazonaws.com",
"endpointPrefix": "license-manager"
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"aws.auth#sigv4": {
"name": "license-manager"
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"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
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"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
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"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
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"UseFIPS": {
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"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"required": false,
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"type": "String"
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"ref": "UseFIPS"
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        "type": "error"
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        "type": "error"
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        "type": "endpoint"
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          "argv": [
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              "argv": [
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"argv": [
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"argv": [
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"ref": "PartitionResult"
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"supportsDualStack"
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"headers": {}

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"type": "error"
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                "supportsFIPS"
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            }
          ]
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            "properties": {},
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                                        "fn": "getAttr",
                                        "argv": [
                                            {
                                                "ref": "PartitionResult"
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    "supportsDualStack"
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                                "conditions": [],
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manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
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"type": "error"
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"properties": {},
"headers": {}
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"type": "endpoint"
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"type": "error"
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"params": {
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"UseFIPS": false,

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      "params": {
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        "UseDualStack": false
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      "params": {
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        "UseFIPS": false,
        "UseDualStack": false
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      "expect": {
        "endpoint": {
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"params": {
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"UseDualStack": false
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"Region": "eu-central-1",
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disabled and DualStack disabled",
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            "documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
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"UseDualStack": false
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            "UseDualStack": false
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            "UseDualStack": false
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"documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",

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"params": {
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}
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"UseDualStack": true
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"UseDualStack": false
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"UseDualStack": false
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"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {

"url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-west-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.api.aws"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false

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            }
        },
        {
            "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
            },
            "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": true,
                 "UseDualStack": true
            }
        },
        {
            "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
            "expect": {
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                    "url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
                }
            },
            "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": true,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
                "error": "DualStack is enabled
but this partition does not support DualStack"
            },
            "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": false,
                "UseDualStack": true
            }
        },
        {
            "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
                }
            },
            "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": false,
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"UseDualStack": false
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},

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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
}
},

"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
},

"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,

"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{

"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
"output": {
"target": "com.amazonaws.licensemanager#AcceptGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"

}
],
"traits": {
"smithy.api#documentation": " Accepts the specified grant. "
}
},
"com.amazonaws.licensemanager#AcceptGrantRequest": {

"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#AcceptGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant
ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#AccessDeniedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},

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        "traits": {
            "aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
                "httpResponseCode": 401
            },
            "smithy.api#documentation": "<p>Access to resource denied.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 401
        }
    },
    "com.amazonaws.licensemanager#ActivationOverrideBehavior": {
        "type": "enum",
        "members": {
            "DISTRIBUTED_GRANTS_ONLY": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
                }
            },
            "ALL_GRANTS_PERMITTED_BY_ISSUER": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#AllowedOperation": {

   "type": "enum",
        "members": {
            "CREATE_GRANT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CreateGrant"
                }
            },
            "CHECKOUT_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckoutLicense"
                }
            },
            "CHECKOUT_BORROW_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckoutBorrowLicense"
```

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            }
          },
          "CHECK_IN_LICENSE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "CheckInLicense"
            }
          },
          "EXTEND_CONSUMPTION_LICENSE":
{
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "ExtendConsumptionLicense"
            }
          },
          "LIST_PURCHASED_LICENSES": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "ListPurchasedLicenses"
            }
          },
          "CREATE_TOKEN": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "CreateToken"
            }
          }
        }
      },
      "com.amazonaws.licensemanager#AllowedOperationList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#AllowedOperation"
        },
        "traits": {
          "smithy.api#length": {
            "min": 1,
            "max":
7
          }
        }
      },
      "com.amazonaws.licensemanager#Arn": {
        "type": "string",
        "traits": {
          "smithy.api#length": {
            "min": 0,
            "max": 2048
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            },
            "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
        }
    },
    "com.amazonaws.licensemanager#ArnList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Arn"
        }
    },
    "com.amazonaws.licensemanager#AuthorizationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError":
 {
                "code": "AuthorizationFailure",
                "httpResponseCode": 403
            },
            "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to perform the action. Check the IAM\n        policy associated with this account.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 403
        }
    },
    "com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
        "type": "structure",
        "members": {
            "LastRunTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes automated discovery.</p>"
        }
    },

  "com.amazonaws.licensemanager#Boolean": {
        "type": "boolean",
        "traits": {
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            "smithy.api#default": false
        }
    },
    "com.amazonaws.licensemanager#BorrowConfiguration": {
        "type": "structure",
        "members": {
            "AllowEarlyCheckIn": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxTimeToLiveInMinutes": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
                    "smithy.api#required": {}
                }
            }

},
        "traits": {
            "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#BoxBoolean": {
        "type": "boolean"
    },
    "com.amazonaws.licensemanager#BoxInteger": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#BoxLong": {
        "type": "long"
    },
    "com.amazonaws.licensemanager#CheckInLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
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"target": "com.amazonaws.licensemanager#AuthorizationException"

},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks in the specified license. Check in a license when it is no longer in use. "
}
},
"com.amazonaws.licensemanager#CheckInLicenseRequest":
{
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
}
},
"traits": {
"smithy.api#input": {}
}

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    },
    "com.amazonaws.licensemanager#CheckInLicenseResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
        "type": "structure",
        "members":
 {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must
use the borrow consumption configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
                    "smithy.api#required": {}
                }
            },
            "DigitalSignatureMethod": {
                "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
                "traits": {
                    "smithy.api#documentation": "<p>Digital signature method. The possible
 value is JSON Web Signature (JWS) algorithm PS384.\n        For more information, see <a
href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS</a>.</p>",
                    "smithy.api#required": {}
                }
            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
```

```
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },
            "EntitlementsAllowed":
{
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
                }
            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "SignedToken": {
                "target": "com.amazonaws.licensemanager#SignedToken",
                "traits": {
                    "smithy.api#documentation": "<p>Signed token.</p>"
                }
            },
```

```
            "IssuedAt": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
                }
            },
            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
```

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            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target":
 "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license.</p>\n        <note>\n            <p>If the
account that created the license is the same that is performing the check out, you must\n            specify the account
as the beneficiary.</p>\n        </note>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicenseRequest": {
        "type": "structure",
        "members": {
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product
 SKU.</p>",
                    "smithy.api#required": {}
                }
            },
            "CheckoutType": {
                "target": "com.amazonaws.licensemanager#CheckoutType",
                "traits": {
                    "smithy.api#documentation": "<p>Checkout type.</p>",
                    "smithy.api#required": {}
                }
            },
            "KeyFingerprint": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Key fingerprint identifying the license.</p>",
                    "smithy.api#required": {}
                }
            },
```

"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
"type": "structure",
"members": {
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. "
}
},
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}

```
            },
            "EntitlementsAllowed": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
                }
            },
             "SignedToken": {
                "target": "com.amazonaws.licensemanager#SignedToken",
                "traits": {
                    "smithy.api#documentation": "<p>Signed token.</p>"
                }
            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "IssuedAt": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
                }
            },
            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
                }
            },
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutType": {
        "type": "enum",
        "members": {
            "PROVISIONAL": {
                "target": "smithy.api#Unit",
```

"traits": {
"smithy.api#enumValue": "PROVISIONAL"
}
},
"PERPETUAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PERPETUAL"
}
}
}
},
"com.amazonaws.licensemanager#ClientRequestToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 36
}
}
},
"com.amazonaws.licensemanager#ClientToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 2048
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#ConflictException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "ConflictException",
"httpResponseCode":
409
},
"smithy.api#documentation": " There was a conflict processing the request. Try your request again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 409

```
        }
    },
    "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
        "type": "structure",
        "members": {
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
                }
            },
            "ConsumedLicenses": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
                }
            }
        },

"traits": {
            "smithy.api#documentation": "<p>Details about license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
        }
    },
    "com.amazonaws.licensemanager#ConsumptionConfiguration": {
        "type": "structure",
        "members": {
            "RenewType": {
                "target": "com.amazonaws.licensemanager#RenewType",
                "traits": {
                    "smithy.api#documentation": "<p>Renewal frequency.</p>"
                }
            },
            "ProvisionalConfiguration": {
                "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
                 }
            },
            "BorrowConfiguration": {
                "target": "com.amazonaws.licensemanager#BorrowConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
```

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                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target":
 "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of
license\n        entitlements with a specific Amazon Web Services account, an organization, or an\n
organizational unit (OU). For more
 information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantRequest": {
```

"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}

}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Principals": {
"target": "com.amazonaws.licensemanager#PrincipalArnList",
"traits": {
"smithy.api#documentation": " The grant principals. You can specify one of the following as an Amazon Resource Name\n (ARN): \n \n \n An Amazon Web Services account, which includes only the account specified. \n \n \n \n \n An organizational unit (OU), which includes all accounts in the OU. \n \n \n \n
\n An organization, which will include all accounts across your organization. \n \n ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {

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                "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersion":
{
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information, see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",

    "smithy.api#required": {}
                }
            },
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
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            "smithy.api#documentation": "<p>Grant name.</p>"
          }
        },
        "AllowedOperations": {
          "target": "com.amazonaws.licensemanager#AllowedOperationList",
          "traits": {
            "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
          }
        },
        "Status": {
          "target": "com.amazonaws.licensemanager#GrantStatus",
           "traits": {
            "smithy.api#documentation": "<p>Grant status.</p>"
          }
        },
        "StatusReason": {
          "target": "com.amazonaws.licensemanager#StatusReasonMessage",
          "traits": {
            "smithy.api#documentation": "<p>Grant status reason.</p>"
          }
        },
        "SourceVersion": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Current version of the grant.</p>"
          }
        },
        "Options": {
          "target": "com.amazonaws.licensemanager#Options",
          "traits": {
            "smithy.api#documentation": "<p>The options specified for the grant.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionResponse": {
      "type": "structure",
      "members": {
        "GrantArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>Grant ARN.</p>"
          }
        },
        "Status": {
```

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            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>New version of the grant.</p>"
            }
        }
    },
    "traits":
{
        "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanager#CreateLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
         },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
```

"traits": {
"smithy.api#documentation": " Creates a license. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Creates a license configuration. \n A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a \n license must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. ",

"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension used to track the license inventory. ",
"smithy.api#required": {}
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether hard or soft license enforcement is used. Exceeding a hard limit\n blocks the launch of new instances. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows. \n \n \n \n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> | <code>minimumCores</code>\n \n \n \n \n <code>Instances</code> dimension: <code>allowedTenancy</code> | \n <code>maximumCores</code> | <code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n \n \n <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n <code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code>\n \n \n \n \n <code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n <code>honorVcpuOptimization</code> | \n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n \n The unit for

<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for <code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n <code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n <code>True</code> and <code>False</code>. "
}
},

"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the license configuration. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
"type": "operation",

"input": {
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a new license conversion task. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {

"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource you are converting the license type for. ",
"smithy.api#required": {}
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in

the License Manager User Guide. ",
"smithy.api#required": {}
}
},
"DestinationLicenseContext":
{
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting to. For the structure of the destination license, see Convert a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

"traits": {
"smithy.api#documentation": " The ID of the created license type conversion task. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a report generator. "
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"ReportGeneratorName":
{
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports to generate. The following report types an be generated: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}

}
},

"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " The Amazon Resource Name (ARN) of the new report generator. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseRequest": {
"type": "structure",
"members": {
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits": {
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region for the license. ",
"smithy.api#required": {}

}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},

```
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseResponse": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        },
        "Version": {
             "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#ConflictException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target":
"com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Issuer": {
                "target": "com.amazonaws.licensemanager#Issuer",
```

"traits":
{
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the license. ",
"smithy.api#required": {}
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},

"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the license. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New version of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
}
},
"traits": {
"smithy.api#output":

{}
}
},
"com.amazonaws.licensemanager#CreateToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a long-lived token. \n A refresh token is a JWT token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license. "
}
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
"type": "structure",
"members": {
"LicenseArn": {

"target": "com.amazonaws.licensemanager#Arn",
"traits":
{
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token. ",
"smithy.api#required": {}
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n License Manager does not check whether the roles are in use. "
}
},
"ExpirationInDays": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Token expiration, in days, counted from token creation. The default is 365 days. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Idempotency token, valid for 10 minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateTokenResponse": {
"type": "structure",
"members": {
"TokenId": {
"target": "com.amazonaws.licensemanager#String",

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        "traits": {
            "smithy.api#documentation": "<p>Token ID.</p>"
        }
      },
      "TokenType": {
        "target": "com.amazonaws.licensemanager#TokenType",
        "traits": {
            "smithy.api#documentation": "<p>Token type.</p>"
        }
      },
      "Token": {
        "target": "com.amazonaws.licensemanager#TokenString",
        "traits": {
            "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
  },
  "com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
      "Begin": {
        "target": "com.amazonaws.licensemanager#ISO8601DateTime",
        "traits": {
            "smithy.api#documentation": "<p>Start of the time range.</p>",
            "smithy.api#required": {}
        }
      },
      "End": {
        "target": "com.amazonaws.licensemanager#ISO8601DateTime",
        "traits": {
            "smithy.api#documentation": "<p>End of the time range.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
  },
  "com.amazonaws.licensemanager#DeleteGrant": {
    "type": "operation",
    "input": {
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"target": "com.amazonaws.licensemanager#DeleteGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes
the specified grant. "
}
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " The Status reason for the delete request. "
}

```
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the
grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
```

```
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#ConflictException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#RedirectException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Deletes the specified license.</p>"
        }
      },
      "com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
        },

      "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
```

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            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n        <p>You cannot
delete a license configuration that is in use.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
        "type": "structure",
        "members":
{
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
         },
        "errors": [
            {
```

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified report generator. \n This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator to be deleted. ",
"smithy.api#required": {}
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {

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        "type": "structure",
        "members": {},
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#DeleteLicenseRequest": {
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
              "smithy.api#required": {}
            }
          },
          "SourceVersion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Current version of the license.</p>",
              "smithy.api#required":
{}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#DeleteLicenseResponse": {
        "type": "structure",
        "members": {
          "Status": {
            "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
            "traits": {
              "smithy.api#documentation": "<p>License status.</p>"
            }
          },
          "DeletionDate": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
```

```
    },
    "com.amazonaws.licensemanager#DeleteToken": {
      "type": "operation",
       "input": {
        "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
          "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
          "target": "com.amazonaws.licensemanager#ServerInternalException"
        },

    {
          "target": "com.amazonaws.licensemanager#ValidationException"
        }
      ],
      "traits": {
        "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
      }
    },
    "com.amazonaws.licensemanager#DeleteTokenRequest": {
      "type": "structure",
      "members": {
        "TokenId": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token ID.</p>",
            "smithy.api#required": {}
          }
        }
```

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        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}

      }
    },
    "com.amazonaws.licensemanager#DigitalSignatureMethod": {
        "type": "enum",
        "members": {
            "JWT_PS384": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "JWT_PS384"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#Entitlement": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement resource. Use only
if the unit is None.</p>"
                }
            },
            "MaxCount": {
                "target": "com.amazonaws.licensemanager#Long",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum entitlement count. Use if the unit is not None.</p>"
                }
            },
            "Overage": {
```

"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether overages are allowed. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementUnit",
"traits": {
"smithy.api#documentation": " Entitlement unit. ",
"smithy.api#required": {}
}
},
"AllowCheckIn": {
"target":
"com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether check-ins are allowed. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a resource entitled for use with a license. "
}
},
"com.amazonaws.licensemanager#EntitlementData": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement data name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement
data value. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementDataUnit",
"traits": {
"smithy.api#documentation": " Entitlement data unit. ",
"smithy.api#required": {}
}
}

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        },
        "traits": {
            "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementDataList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementData"
        }
    },
    "com.amazonaws.licensemanager#EntitlementDataUnit": {
        "type": "enum",
        "members": {
            "COUNT": {
                "target": "smithy.api#Unit",
                "traits": {

"smithy.api#enumValue": "Count"
                }
            },
            "NONE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "None"
                }
            },
            "SECONDS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Seconds"
                }
            },
            "MICROSECONDS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Microseconds"
                }
            },
            "MILLISECONDS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Milliseconds"
                }
            },
            "BYTES": {
                "target": "smithy.api#Unit",
```

```
            "traits": {
                "smithy.api#enumValue": "Bytes"
            }
        },
        "KILOBYTES": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobytes"
            }
        },
        "MEGABYTES": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Megabytes"
            }
        },
        "GIGABYTES": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Gigabytes"
            }
        },
        "TERABYTES": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabytes"
            }
        },
        "BITS":
{
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Bits"
            }
        },
        "KILOBITS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobits"
            }
        },
        "MEGABITS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Megabits"
            }
        },
        "GIGABITS": {
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            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Gigabits"
            }
        },
        "TERABITS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabits"

}
        },
        "PERCENT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Percent"
            }
        },
        "BYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Bytes/Second"
            }
        },
        "KILOBYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobytes/Second"
            }
        },
        "MEGABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Megabytes/Second"
            }
        },
        "GIGABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "Gigabytes/Second"
            }
        },
        "TERABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabytes/Second"
            }
        },
```

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            "BITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Bits/Second"
                }
            },
            "KILOBITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Kilobits/Second"
                }
            },
            "MEGABITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue":
"Megabits/Second"
                }
            },
            "GIGABITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Gigabits/Second"
                }
            },
            "TERABITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Terabits/Second"
                }
            },
            "COUNT_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Count/Second"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#EntitlementList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Entitlement"
        }
    },
    "com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
        "type": "structure",
```

```
        "members": {
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 400
        }
      },
      "com.amazonaws.licensemanager#EntitlementUnit": {
        "type": "enum",
        "members": {
          "COUNT": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Count"
            }
          },
          "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "None"
            }
          },
          "SECONDS":
{
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Seconds"
            }
          },
          "MICROSECONDS": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Microseconds"
            }
          },
          "MILLISECONDS": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Milliseconds"
            }
          },
          "BYTES": {
            "target": "smithy.api#Unit",
            "traits": {
```

"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"
}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target":
"smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Terabytes/Second"
}
},

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        "BITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Bits/Second"
            }
        },
        "KILOBITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobits/Second"
            }
        },
        "MEGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Megabits/Second"
            }
        },
        "GIGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Gigabits/Second"
            }
        },

    "TERABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabits/Second"
            }
        },
        "COUNT_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count/Second"
            }
        }
    }
},
"com.amazonaws.licensemanager#EntitlementUsage": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage name.</p>",
                "smithy.api#required": {}
            }
```

```
            },
            "ConsumedValue": {
                "target": "com.amazonaws.licensemanager#String",

           "traits": {
                    "smithy.api#documentation": "<p>Resource usage consumed.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxCount": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
                }
            },
            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementUsageList":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementUsage"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumption": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}

      }
            },
            "DryRun": {
                "target": "com.amazonaws.licensemanager#Boolean",
                "traits": {
                    "smithy.api#default": false,
                    "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action,
without actually making the request. Provides an error response if you do not have the required permissions.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
        "type": "structure",
        "members": {
```

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            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },

            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#FailedDependencyException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            },
            "ErrorCode": {
                "target": "com.amazonaws.licensemanager#String"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "FailedDependency",
                "httpResponseCode": 424
            },
            "smithy.api#documentation":
"<p>A dependency required to run the API is missing.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 424
        }
    },
    "com.amazonaws.licensemanager#Filter": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#FilterName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the filter. Filter names are case-sensitive.</p>"
                }
            },
```

"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used to return more specific results from a\n describe operation. Filters can be used to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FilterLimitExceeded",
"httpResponseCode": 400
},
"smithy.api#documentation": " The request uses too many filters or too many filter values. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Filter"
}
},
"com.amazonaws.licensemanager#FilterName": {
"type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
"type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#FilterValue",
"traits": {

"smithy.api#xmlName": "item"
}
}
},
"com.amazonaws.licensemanager#Filters": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Filter",
"traits": {
"smithy.api#xmlName": "item"
}
}
},
"com.amazonaws.licensemanager#GetAccessToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
tokens\n are valid for one hour. "
}
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
"type": "structure",
"members": {
"Token": {

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                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "TokenProperties": {
                "target": "com.amazonaws.licensemanager#MaxSize3StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetAccessTokenResponse":
 {
        "type": "structure",
        "members": {
            "AccessToken": {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Temporary access token.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetGrantResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
```

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    },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
    "type": "structure",
    "members": {
        "Grant": {
            "target": "com.amazonaws.licensemanager#Grant",
            "traits": {
```

"smithy.api#documentation": " Grant details. "
}
}
},
"traits": {

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"

},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license configuration. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
}
},
"traits":
{
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Unique ID for the license configuration. "

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    }
},
"LicenseConfigurationArn": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
    }
},
"Name": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Name of the license configuration.</p>"
     }
},
"Description": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Description of the license configuration.</p>"
    }
},
"LicenseCountingType": {
    "target": "com.amazonaws.licensemanager#LicenseCountingType",
    "traits": {
        "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
    }
},
"LicenseRules": {
    "target": "com.amazonaws.licensemanager#StringList",
    "traits": {
        "smithy.api#documentation": "<p>License rules.</p>"
    }
},
"LicenseCount": {
    "target": "com.amazonaws.licensemanager#BoxLong",

   "traits": {
        "smithy.api#documentation": "<p>Number of available licenses.</p>"
    }
},
"LicenseCountHardLimit": {
    "target": "com.amazonaws.licensemanager#BoxBoolean",
    "traits": {
        "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
    }
},
"ConsumedLicenses": {
    "target": "com.amazonaws.licensemanager#BoxLong",
    "traits": {
```

"smithy.api#documentation": " Number of licenses assigned to resources. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License configuration status. "
}

},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner of the license configuration. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",

"traits": {
"smithy.api#documentation": " When
true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified license type conversion task. "
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information
on. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted to. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " Status of the license type conversion task. "
}

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            },

  "StartTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
                }
            },
            "LicenseConversionTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
                }
            },
            "EndTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time at which the license type conversion task was
completed.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
```

```
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
                    "smithy.api#required":
{}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {
            "ReportGenerator": {
                "target": "com.amazonaws.licensemanager#ReportGenerator",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
```

```
    },
    "com.amazonaws.licensemanager#GetLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {

"smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseResponse": {
        "type": "structure",
        "members": {
            "License": {
                "target": "com.amazonaws.licensemanager#License",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },

  "com.amazonaws.licensemanager#GetLicenseUsage": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
        },
        "errors": [
            {
```

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the usage of the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseUsageRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseUsageResponse": {
"type": "structure",
"members": {
"LicenseUsage": {
"target":
"com.amazonaws.licensemanager#LicenseUsage",
"traits": {
"smithy.api#documentation": " License usage details. "
}
}

```
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsRequest": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "S3BucketArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Regional S3 bucket path for storing reports, license trail event data,
discovery data,\n        and so on.</p>"
```

}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " SNS topic configured to receive notifications from License Manager. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Indicates whether Organizations is integrated with License Manager for\n cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether cross-account discovery is enabled. "
}

},
"LicenseManagerResourceShareArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource share. The License Manager management account \n provides member accounts with access to this share. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Grant": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}
}
},
"ParentArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",
"smithy.api#required": {}
}
},
"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},

```
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Granted operations.</p>",
                    "smithy.api#required": {}
                }
            },
            "Options": {
                "target": "com.amazonaws.licensemanager#Options",
                "traits": {
                    "smithy.api#documentation": "<p>The options specified for the grant.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation":
"<p>Describes a grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#GrantList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Grant"
        }
    },
    "com.amazonaws.licensemanager#GrantStatus": {
        "type": "enum",
        "members": {
            "PENDING_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_WORKFLOW"
                }
            },
            "PENDING_ACCEPT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_ACCEPT"
                }
            },
            "REJECTED": {
```

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REJECTED"

}
},
"ACTIVE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ACTIVE"
}
},
"FAILED_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED_WORKFLOW"
}
},
"DELETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DELETED"
}
},
"PENDING_DELETE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_DELETE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "DISABLED"
}
},
"WORKFLOW_COMPLETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WORKFLOW_COMPLETED"
}
}
}
},
"com.amazonaws.licensemanager#GrantedLicense": {
"type": "structure",
"members": {

"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. "
}

},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " Granted license issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the granted license. "

}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " Granted license status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the granted license is valid, in

ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Granted license beneficiary. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Granted license metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Creation time of the granted license. "

}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Version of the granted license. "
}
},
"ReceivedMetadata": {
"target": "com.amazonaws.licensemanager#ReceivedMetadata",
"traits": {
"smithy.api#documentation": " Granted license received metadata. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a license that is granted to a grantee. "
}
},
"com.amazonaws.licensemanager#GrantedLicenseList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#GrantedLicense"
}
},
"com.amazonaws.licensemanager#ISO8601DateTime":
{
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$"
}
},
"com.amazonaws.licensemanager#Integer": {
"type": "integer"
},
"com.amazonaws.licensemanager#InvalidParameterValueException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidParameterValueProvided",
"httpResponseCode": 400
},
"smithy.api#documentation":
" One or more parameter values are not valid. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#InvalidResourceStateException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}

```
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidResourceState",
                "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n        <p>For example, you cannot allocate a license to an instance in the process of shutting\n
down.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },

    "com.amazonaws.licensemanager#InventoryFilter": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the filter.</p>",
                    "smithy.api#required": {}
                }
            },
            "Condition": {
                "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
                "traits": {
                    "smithy.api#documentation": "<p>Condition of the filter.</p>",
                    "smithy.api#required": {}
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Value of the filter.</p>"
                }
            }

    },
        "traits": {
            "smithy.api#documentation": "<p>An inventory filter.</p>"
        }
    },
    "com.amazonaws.licensemanager#InventoryFilterCondition": {
        "type": "enum",
        "members": {
            "EQUALS": {
                "target": "smithy.api#Unit",
```

"traits": {
"smithy.api#enumValue": "EQUALS"
}
},
"NOT_EQUALS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "NOT_EQUALS"
}
},
"BEGINS_WITH": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "BEGINS_WITH"
}
},
"CONTAINS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CONTAINS"
}
}
}
},
"com.amazonaws.licensemanager#InventoryFilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#InventoryFilter"
}
},
"com.amazonaws.licensemanager#Issuer": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. ",
"smithy.api#required": {}
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
}

```
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about the issuer of a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#IssuerDetails": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer name.</p>"
                }
            },
            "SignKey": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage of sign and verify, \n        and support the RSASSA-PSS SHA-256 signing
algorithm.</p>"
                }
            },
            "KeyFingerprint": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer key fingerprint.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details associated with the issuer of a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#License": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {

            "smithy.api#documentation": "<p>License name.</p>"
                }
```

```
            },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product name.</p>"
                }
            },
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product SKU.</p>"
                }
            },
            "Issuer": {
                "target": "com.amazonaws.licensemanager#IssuerDetails",
                "traits": {
                    "smithy.api#documentation": "<p>License issuer.</p>"
                }
            },
            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {

            "smithy.api#documentation": "<p>Home Region of the license.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>"
                }
            },
            "Validity": {
                "target": "com.amazonaws.licensemanager#DatetimeRange",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>"
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            },
            "Entitlements": {
```

"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " License metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " License
creation time. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#documentation": " Software license that is managed in License Manager. "
}
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
"type": "structure",
"members": {
"LicenseConfigurationId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Unique ID of the license configuration. "
}
},
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "

```
            }
        },
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Name of the license configuration.</p>"
            }
        },
        "Description": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Description of the license configuration.</p>"
            }
        },
        "LicenseCountingType": {
            "target": "com.amazonaws.licensemanager#LicenseCountingType",
            "traits": {
                "smithy.api#documentation": "<p>Dimension to use to track the license inventory.</p>"
            }
        },
        "LicenseRules": {
            "target": "com.amazonaws.licensemanager#StringList",
            "traits": {
                "smithy.api#documentation": "<p>License rules.</p>"
            }
        },
        "LicenseCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
            }
        },
        "LicenseCountHardLimit": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
                "smithy.api#documentation": "<p>Number of available licenses as a hard limit.</p>"
            }
        },
        "DisassociateWhenNotFound": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
                "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
            }
        },
        "ConsumedLicenses": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
```

"smithy.api#documentation": " Number of licenses consumed. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the license configuration. "
}
},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the license configuration's owner. "

}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for licenses consumed by various resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for managed resources. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {

"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
}
},
"traits": {
"smithy.api#documentation": " A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used. "

```
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
        "type": "structure",
        "members": {
            "ResourceArn":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Type of server resource.</p>"
                }
            },
            "ResourceOwnerId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the resource
consuming licenses.</p>"
                }
            },
            "AssociationTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {

    "smithy.api#documentation": "<p>Time when the license configuration was associated with the resource.</p>"
                }
            },
            "AmiAssociationScope": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes an association with a license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
```

```
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationStatus": {
        "type": "enum",
        "members":
{
            "AVAILABLE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "AVAILABLE"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DISABLED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationUsage": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceStatus": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Status of the resource.</p>"
                }
            },
            "ResourceOwnerId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            },
```

"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the usage of a resource associated with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
}
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfiguration"
}
},
"com.amazonaws.licensemanager#LicenseConversionContext": {

"type": "structure",
"members": {
"UsageOperation": {
"target": "com.amazonaws.licensemanager#UsageOperation",
"traits": {
"smithy.api#documentation": " The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\n \n "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "

```
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTask": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {

     "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the license type conversion task.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource associated
with the license type\n        conversion task.</p>"
                }
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license type this conversion task converted
from.</p>"
                }
            },
            "DestinationLicenseContext": {
                "target":
 "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
                "traits": {
                    "smithy.api#documentation": "<p>The status of the conversion task.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
                }
            },
            "StartTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
```

```
                "traits": {
                    "smithy.api#documentation":
 "<p>The time the conversion task was started at.</p>"
                }
            },
            "LicenseConversionTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
                }
            },
            "EndTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTaskId": {
        "type": "string",
        "traits": {

        "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
        "type": "enum",
        "members": {
            "IN_PROGRESS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "IN_PROGRESS"
                }
            },
            "SUCCEEDED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "SUCCEEDED"
                }
```

```
            },
            "FAILED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTasks":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTask"
        }
    },
    "com.amazonaws.licensemanager#LicenseCountingType": {
        "type": "enum",
        "members": {
            "VCPU": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "vCPU"
                }
            },
            "INSTANCE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Instance"
                }
            },
            "CORE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Core"
                }
            },
            "SOCKET": {
                "target": "smithy.api#Unit",
                 "traits": {
                    "smithy.api#enumValue": "Socket"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseDeletionStatus": {
        "type": "enum",
        "members": {
```

```
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#License"
    }
},
"com.amazonaws.licensemanager#LicenseOperationFailure": {

    "type": "structure",
    "members": {
        "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
            }
        },
        "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Resource type.</p>"
            }
        },
        "ErrorMessage": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Error message.</p>"
            }
        },
        "FailureTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {

"smithy.api#documentation": "<p>Failure time.</p>"
            }
```

```
            },
            "OperationName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the operation.</p>"
                }
            },
            "ResourceOwnerId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the
resource.</p>"
                }
            },
            "OperationRequestedBy": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The requester is \"License Manager Automated Discovery\".</p>"
                }
            },
            "MetadataList": {

                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Reserved.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes the failure of a license operation.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseOperationFailureList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseOperationFailure"
        }
    },
    "com.amazonaws.licensemanager#LicenseSpecification": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
```

"smithy.api#required": {}
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Details for associating a license configuration with a resource. "
}
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseSpecification"
}
},
"com.amazonaws.licensemanager#LicenseStatus": {
"type": "enum",
"members": {
"AVAILABLE": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"PENDING_AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_AVAILABLE"
}
},
"DEACTIVATED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DEACTIVATED"
}
},
"SUSPENDED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SUSPENDED"
}

```
        },
        "EXPIRED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EXPIRED"
            }
        },

     "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseUsage": {
    "type": "structure",
    "members": {
        "EntitlementUsages": {
            "target": "com.amazonaws.licensemanager#EntitlementUsageList",
            "traits": {
                "smithy.api#documentation": "<p>License entitlement usages.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"

    }
},
"com.amazonaws.licensemanager#LicenseUsageException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "LicenseUsageFailure",
            "httpResponseCode": 412
```

```
            },
            "smithy.api#documentation": "<p>You do not have enough licenses available to support a new resource
launch.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 412
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
        },
        "output": {

    "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the resource associations for the
 specified license configuration.</p>\n        <p>Resource associations need not consume licenses from a license
configuration. \n        For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules).</p>"
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results
to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationAssociations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license
configuration. "
}
},
"NextToken": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants distributed for the specified license. "
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
"type": "structure",
"members": {
"GrantArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n

```
<li>\n <p>\n <code>GranteePrincipalARN</code>\n </p>\n </li>\n
<li>\n <p>\n <code>ProductSKU</code>\n </p>\n </li>\n <li>\n
<p>\n <code>LicenseIssuerName</code>\n
</p>\n </li>\n </ul>"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": "<p>Token for the next set of results.</p>"
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",

"traits": {
"smithy.api#documentation": "<p>Distributed grant details.</p>"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": "<p>Token for the next set of results.</p>"
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
```

```
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
        },
        "errors": [
            {

"target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
```

```
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
        "type": "structure",
        "members": {
            "LicenseOperationFailureList": {
                "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
                "traits": {
                    "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
        },

    "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
```

```
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configurations
 for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArns": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next
 set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n                Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n                Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n
<p>\n                <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n                Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>.</p>\n
    </li>\n            <li>\n                <p>\n                <code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n                Logical operators are
```

```
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n         </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurations": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurations",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",

         "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConversionTasks": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
             },
            {
```

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license type conversion tasks for your account. "
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
"type": "structure",
"members": {
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " \n Filters to scope the results. Valid filters are <code>ResourceArns</code> and <code>Status</code>.\n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
"type": "structure",
"members": {
"LicenseConversionTasks": {
"target": "com.amazonaws.licensemanager#LicenseConversionTasks",
"traits": {
"smithy.api#documentation": " Information about the license configuration tasks for your account. "
}
},

```
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
```

```
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseConfigurationArn</code>\n
</p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits":
{
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
        "type": "structure",
        "members": {
            "ReportGenerators": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorList",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
```

```
            }
            },
            "traits": {
                "smithy.api#output": {}
            }
        },
        "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
            "type": "operation",
            "input": {
                "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
            },
            "output": {
                "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
            },
            "errors": [
                {
                    "target": "com.amazonaws.licensemanager#AccessDeniedException"
                },
                {
                    "target": "com.amazonaws.licensemanager#AuthorizationException"
                },
                {
                    "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
                },
                {
                    "target": "com.amazonaws.licensemanager#RateLimitExceededException"
                 },
                {
                    "target": "com.amazonaws.licensemanager#ServerInternalException"
                }
            ],
            "traits": {
                "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
            }
        },
        "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
            "type": "structure",
            "members": {
                "ResourceArn": {
                    "target": "com.amazonaws.licensemanager#String",
                    "traits": {
                        "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an
associated license configuration.</p>",
                        "smithy.api#required": {}
                    }
                },
                "MaxResults": {
                    "target": "com.amazonaws.licensemanager#BoxInteger",
```

"traits": {

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {
"LicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " License configurations associated with a resource. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

```
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
```

```
            "target": "com.amazonaws.licensemanager#LicenseList",
            "traits": {
                "smithy.api#documentation": "<p>License details.</p>"
            }
        },

"NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
    }
```

```
    },
    "com.amazonaws.licensemanager#ListLicensesRequest": {
      "type": "structure",
      "members": {
        "LicenseArns": {
          "target": "com.amazonaws.licensemanager#ArnList",
          "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
          }
        },

     "Filters": {
          "target": "com.amazonaws.licensemanager#FilterList",
          "traits": {
            "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n    <ul>\n    <li>\n    <p>\n    <code>Beneficiary</code>\n    </p>\n
    </li>\n    <li>\n    <p>\n    <code>ProductSKU</code>\n    </p>\n    </li>\n
  <li>\n    <p>\n    <code>Fingerprint</code>\n    </p>\n    </li>\n    <li>\n
<p>\n    <code>Status</code>\n    </p>\n    </li>\n    </ul>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token
 for the next set of results.</p>"
          }
        },
        "MaxResults": {
          "target": "com.amazonaws.licensemanager#MaxSize100",
          "traits": {
            "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#ListLicensesResponse": {
      "type": "structure",
      "members": {
        "Licenses": {
          "target": "com.amazonaws.licensemanager#LicenseList",
          "traits": {
            "smithy.api#documentation": "<p>License details.</p>"
          }
        },
```

"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}

```
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
         },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target":
"com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the received license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Filters": {
```

"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n
\n \n \n <code>ParentArn</code>\n \n \n
\n \n <code>GranteePrincipalArn</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",
"traits": {
"smithy.api#documentation": " Lists the grants the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
"type": "structure",

"members": {
"GrantArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranterAccountId</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",
"traits": {
"smithy.api#documentation": " Received grant details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

```
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists received licenses.</p>"
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
```

```
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {

    "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n    <ul>\n        <li>\n            <p>\n                <code>Beneficiary</code>\n            </p>\n
    </li>\n        <li>\n            <p>\n                <code>ProductSKU</code>\n
            </p>\n        </li>\n    </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
```

```
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#GrantedLicenseList",
                 "traits": {
                    "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
        "type": "structure",
        "members": {
            "LicenseArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
                }
            },

             "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n    <ul>\n    <li>\n    <p>\n    <code>ProductSKU</code>\n    </p>\n
```

```
</li>\n <li>\n <p>\n <code>Status</code>\n </p>\n </li>\n
<li>\n <p>\n <code>Fingerprint</code>\n </p>\n </li>\n <li>\n
<p>\n <code>IssuerName</code>\n </p>\n </li>\n <li>\n <p>\n
<code>Beneficiary</code>\n </p>\n </li>\n </ul>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
        "type": "structure",
        "members": {
          "Licenses": {
            "target": "com.amazonaws.licensemanager#GrantedLicenseList",
            "traits": {
              "smithy.api#documentation": "<p>Received license details.</p>"
            }
          },

         "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListResourceInventory": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
```

```
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FailedDependencyException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
    }
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
    "type": "structure",
    "members": {
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "Filters": {
            "target": "com.amazonaws.licensemanager#InventoryFilterList",
```

"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>account_id</code> - The ID of the Amazon Web Services account that owns the resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n
\n \n \n <code>application_name</code> - The name of the application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n
\n \n \n <code>license_included</code> - The type of license included. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
\n <code>platform</code> - The platform of the resource.\n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n \n \n \n
<code>resource_id</code> - The ID of the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n
<code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account). \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
"type": "structure",
"members": {
"ResourceInventoryList": {
"target": "com.amazonaws.licensemanager#ResourceInventoryList",
"traits": {
"smithy.api#documentation": " Information about the resources. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListTagsForResource": {
"type": "operation",

"input": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the tags for the specified license configuration. "
}
},
"com.amazonaws.licensemanager#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListTagsForResourceResponse": {
"type": "structure",
"members": {
"Tags": {

```
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
        "errors":
[
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists your tokens.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTokensRequest": {
        "type": "structure",
        "members": {
            "TokenIds": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
```

"smithy.api#documentation": " Token IDs. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filter is supported: \n
\n \n \n <code>LicenseArns</code>\n \n \n
"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation":
" Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListTokensResponse": {
"type": "structure",
"members": {
"Tokens": {
"target": "com.amazonaws.licensemanager#TokenList",
"traits": {
"smithy.api#documentation": " Received token details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}

```
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
             {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license\n        consumption details by resource at a selected point in time. Use this action to audit the\n        current
license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
```

"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
"type": "structure",
"members": {

"LicenseConfigurationUsageList": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}

```
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#Location": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#Long": {
        "type": "long"
    },
    "com.amazonaws.licensemanager#ManagedResourceSummary": {
        "type": "structure",
        "members": {
            "ResourceType":
{
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
                }
            },
            "AssociationCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ManagedResourceSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
        }
    },
    "com.amazonaws.licensemanager#MaxSize100": {

    "type": "integer",
        "traits": {
            "smithy.api#range": {
                "min": 1,
                "max": 100
            }
        }
    },
```

"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": " The key name. "
            }
        },

"Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": " The value. "
            }
        }
    },
    "traits": {
        "smithy.api#documentation": " Describes key/value pairs. "
    }
},
"com.amazonaws.licensemanager#MetadataList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Metadata"
    }
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }

```
        },
        "traits": {
            "smithy.api#documentation": "<p>There are no entitlements found for this license, or the entitlement maximum count is reached.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#Options": {
        "type": "structure",
        "members": {
            "ActivationOverrideBehavior": {
                "target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
                "traits": {
                    "smithy.api#documentation": "<p>An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter.</p>\n <ul>\n <li>\n <p>As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant.</p>\n </li>\n <li>\n <p>As a grantor, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your organization.</p>\n </li>\n <li>\n <p>As a grantee, if the grantor creating the distributed grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n are activating the grant.</p>\n </li>\n </ul>\n <dl>\n <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n <p>Use this value to activate a grant without replacing any member accounts\n active grants for the same product.</p>\n </dd>\n <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n <p>Use this value to activate a grant and disable other active grants in any\n member accounts
 for the same product. This action will also replace their\n previously activated grants with this activated grant.</p>\n </dd>\n </dl>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The options you can specify when you create a new version of a grant, such as activation\n override behavior. For more information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#OrganizationConfiguration": {
        "type": "structure",
        "members": {
            "EnableIntegration": {
                "target": "com.amazonaws.licensemanager#Boolean",
                "traits": {
                    "smithy.api#default": false,
                    "smithy.api#documentation":
```

" Enables Organizations integration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Configuration information for Organizations. "
}
},
"com.amazonaws.licensemanager#PrincipalArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 1
}
}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Resource type. The possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a <code>ProductInformationFilterComparator</code> which is a logical operator, a <code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. \n The following filters and are supported when the resource type \n is <code>SSM_MANAGED</code>: \n \n \n \n <code>Application Name</code> - The name of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Publisher</code> - The publisher of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform

Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n
\n \n \n <code>Platform Type</code> - The platform type.\n
Logical operator is <code>EQUALS</code>. \n
\n \n \n <code>Tag:key</code> - The key of a tag attached to an
Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is
<code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the
example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you
are not using values for the key.\n \n \n \n \n
<code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from
automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n
\n \n <code>License Included</code> - The type of license included.\n Logical
operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are:
<code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-
web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
The following filters and logical operators are supported when the resource type\n is
<code>RDS</code>: \n \n \n \n <code>Engine Edition</code> -
The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible
values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-
se2</code>. \n \n \n \n <code>License Pack</code> - The license
pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data
guard</code> | \n <code>diagnostic pack sqlt</code> | \n
<code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n
\n ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information for a license configuration. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
"type": "structure",
"members": {
"ProductInformationFilterName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Filter name. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterValue": {
"target": "com.amazonaws.licensemanager#StringList",

"traits": {
"smithy.api#documentation": " Filter value. "
}
},

```
        "ProductInformationFilterComparator": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Logical operator.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes product information filters.</p>"
    }
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ProductInformationFilter"
    }
},
"com.amazonaws.licensemanager#ProductInformationList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ProductInformation"
     }
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
    "type": "structure",
    "members": {
        "MaxTimeToLiveInMinutes": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
    }
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
```

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            "aws.protocols#awsQueryError": {
                "code": "RateLimitExceeded",
                "httpResponseCode": 429
            },
            "smithy.api#documentation": "<p>Too many requests have been submitted. Try again after a brief
wait.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 429
        }
    },
    "com.amazonaws.licensemanager#ReceivedMetadata": {
        "type": "structure",
        "members": {
            "ReceivedStatus": {
                "target": "com.amazonaws.licensemanager#ReceivedStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Received status.</p>"
                }
            },
            "ReceivedStatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>Received
status reason.</p>"
                }
            },
            "AllowedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed operations.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
        }
    },
    "com.amazonaws.licensemanager#ReceivedStatus": {
        "type": "enum",
        "members": {
            "PENDING_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_WORKFLOW"
                }
            },
            "PENDING_ACCEPT": {
                "target": "smithy.api#Unit",
```

```
            "traits": {
                "smithy.api#enumValue":
"PENDING_ACCEPT"
            }
        },
        "REJECTED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "REJECTED"
            }
        },
        "ACTIVE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ACTIVE"
            }
        },
        "FAILED_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED_WORKFLOW"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        },
        "DISABLED": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "DISABLED"
            }
        },
        "WORKFLOW_COMPLETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "WORKFLOW_COMPLETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#RedirectException": {
    "type": "structure",
    "members": {
        "Location": {
            "target": "com.amazonaws.licensemanager#Location",
```

```
            "traits": {
                "smithy.api#httpHeader": "Location"
            }
        },
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
         "smithy.api#error": "client",
        "smithy.api#httpError": 308
    }
},
"com.amazonaws.licensemanager#RejectGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#RejectGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#RejectGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
```

```
        }
    },
    "com.amazonaws.licensemanager#RejectGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}

  }
    },
    "com.amazonaws.licensemanager#RejectGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#RenewType":
{
        "type": "enum",
        "members": {
```

"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"WEEKLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Weekly"
}
},
"MONTHLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Monthly"
}
}
}
},
"com.amazonaws.licensemanager#ReportContext": {
"type": "structure",
"members": {
"licenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "
}
},
"period": {

"target": "com.amazonaws.licensemanager#ReportFrequencyType",

"traits": {
"smithy.api#documentation": " Time period between each report. The period can be daily, weekly, or monthly. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
"type": "enum",
"members": {
"DAY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DAY"
}
},
"WEEK": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WEEK"
}
},
"MONTH": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "MONTH"
}
}
}
},
"com.amazonaws.licensemanager#ReportGenerator": {
"type": "structure",
"members": {
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the report generator. "
}
},
"ReportType": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {

"smithy.api#documentation": " Type of reports that are generated. "
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " License configuration type for this generator. "
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. "
}
},
"LastRunStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the last report generation attempt. "
}
},
"LastRunFailureReason": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Failure message for the last report generation attempt. "
}
},
"LastReportGenerationTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the last report was generated at. "
}
},
"ReportCreatorAccount": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Web Services account ID used to create the report generator. "
}
},

"Description": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"S3Location": {
"target": "com.amazonaws.licensemanager#S3Location",
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the report was created. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags associated with the report generator. "
}

}
},
"traits": {
"smithy.api#documentation": " Describe the details of a report generator. "
}
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ReportGenerator"
}
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}
}
},
"com.amazonaws.licensemanager#ReportType": {

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        "type": "enum",
        "members": {
          "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
            }

      },
          "LICENSE_CONFIGURATION_USAGE_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "LicenseConfigurationUsageReport"
            }
          }
        }
      },
      "com.amazonaws.licensemanager#ReportTypeList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#ReportType"
        }
      },
      "com.amazonaws.licensemanager#ResourceInventory": {
        "type": "structure",
        "members": {
          "ResourceId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>ID of the resource.</p>"
            }
          },
          "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits":
{
              "smithy.api#documentation": "<p>Type of resource.</p>"
            }
          },
          "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
            }
          },
          "Platform": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Platform of the resource. "
}
},
"PlatformVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Platform version of the resource in the inventory. "
}
},
"ResourceOwningAccountId":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about a resource. "
}
},
"com.amazonaws.licensemanager#ResourceInventoryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ResourceInventory"
}
},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "ResourceLimitExceeded",

"httpResponseCode": 400
},
"smithy.api#documentation": " Your resource limits have been exceeded. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
"type": "structure",
"members": {

```
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
    "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_INSTANCE"
            }
        },
        "EC2_HOST": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_HOST"
            }
        },
        "EC2_AMI": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_AMI"
            }
        },
        "RDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "RDS"
            }
        },
        "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
            }
        }
    }
```

```
    },
    "com.amazonaws.licensemanager#S3Location": {
      "type": "structure",
      "members": {
        "bucket": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Name of the S3 bucket reports are published to.</p>"
          }
        },
        "keyPrefix": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Prefix of the S3 bucket reports are published to.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
      }
    },
    "com.amazonaws.licensemanager#ServerInternalException": {
      "type": "structure",
      "members": {
        "Message": {
          "target": "com.amazonaws.licensemanager#Message"
        }
      },
      "traits": {
        "aws.protocols#awsQueryError": {
          "code": "InternalError",
          "httpResponseCode": 500
        },
        "smithy.api#documentation": "<p>The server experienced an internal error. Try again.</p>",
        "smithy.api#error": "server",
        "smithy.api#httpError": 500
      }
    },
    "com.amazonaws.licensemanager#SignedToken": {
      "type": "string",
      "traits": {
        "smithy.api#length": {
          "min": 4096
        }
      }
    },
    "com.amazonaws.licensemanager#StatusReasonMessage": {
```

```
        "type": "string",
        "traits":
{
            "smithy.api#length": {
                "min": 0,
                "max": 400
            },
            "smithy.api#pattern": "^[\\s\\S]+$"
        }
    },
    "com.amazonaws.licensemanager#String": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#StringList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#Tag": {
        "type": "structure",
        "members": {
            "Key": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Tag key.</p>"
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Tag value.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagKeyList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#TagList": {
        "type": "list",
```

"member": {
"target": "com.amazonaws.licensemanager#Tag"
}
},
"com.amazonaws.licensemanager#TagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#TagResourceResponse"
},
"errors": [
{
"target":
"com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Adds the specified tags to the specified license configuration. "
}
},
"com.amazonaws.licensemanager#TagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits":
{
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license
configuration. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",

```
                "traits": {
                    "smithy.api#documentation": "<p>One or more tags.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>"
                }
            },
            "TokenType": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
                }
            },
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "ExpirationTime": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC
 format.</p>"
                }
            },
            "TokenProperties": {
                "target": "com.amazonaws.licensemanager#MaxSize3StringList",
```

```
                "traits": {
                    "smithy.api#documentation": "<p>Data specified by the caller.</p>"
                }
            },
            "RoleArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the roles included in the
token.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token status. The possible values are
<code>AVAILABLE</code> and <code>DELETED</code>.</p>"
                }
            }
        },
        "traits": {

            "smithy.api#documentation": "<p>Describes a token.</p>"
        }
    },
    "com.amazonaws.licensemanager#TokenList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#TokenData"
        }
    },
    "com.amazonaws.licensemanager#TokenString": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 4096
            },
            "smithy.api#pattern": "^\\S+$"
        }
    },
    "com.amazonaws.licensemanager#TokenType": {
        "type": "enum",
        "members": {
            "REFRESH_TOKEN": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REFRESH_TOKEN"
                }
```

```
            }
        }
    },
    "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
 {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The digital signature method is unsupported. Try your request
again.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UntagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
             },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Removes the specified tags from the specified license
configuration.</p>"
        }
    },
```

"com.amazonaws.licensemanager#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanager#TagKeyList",
"traits": {
"smithy.api#documentation": " Keys identifying the tags to remove. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"

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            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseConfigurationStatus": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
                "traits": {
                    "smithy.api#documentation": "<p>New status of the license configuration.</p>"
                }
            },
            "LicenseRules": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {

    "smithy.api#documentation": "<p>New license rule. The only rule that you can add after you create a license\n
    configuration is licenseAffinityToHost.</p>"
                }
            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>New number of licenses managed by the license
configuration.</p>"
                }
            },
            "LicenseCountHardLimit": {
```

"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name
of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is
uninstalled. "
}
}
},
"traits":
{
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"

```
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
             },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a
report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest":
 {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to
update.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportGeneratorName": {
```

"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation":
" Type of reports to generate. The following report types are supported: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " The report context. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},

{
"target": "com.amazonaws.licensemanager#InvalidResourceStateException"
},
{
"target": "com.amazonaws.licensemanager#LicenseUsageException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Adds or removes the specified license configurations for the specified Amazon Web Services resource. \n You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource. "

```
        }
    },

    "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services
resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "AddLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
                }
            },
            "RemoveLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation":
 "<p>ARNs of the license configurations to remove.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
        },
        "errors": [
```

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
        "type": "structure",
        "members": {
            "S3BucketArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
 Manager information is stored.</p>"
                }
            },
            "SnsTopicArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts.</p>"
                }
            },
            "OrganizationConfiguration": {
                "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account discovery.</p>"
                }
            },
            "EnableCrossAccountsDiscovery": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
```

"smithy.api#documentation": " Activates cross-account discovery. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UsageOperation": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
}
}
},
"com.amazonaws.licensemanager#ValidationException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The provided input is not valid. Try your request again. ",

"smithy.api#error": "client",
"smithy.api#httpError": 400
}
}
}
}

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
```

```
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/aws/signer/v4"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version
 of the license.
 //
 // This member is required.
 SourceVersion *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus
```

```
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack,
 options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = awsmiddleware.AddClientRequestIDMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddComputeContentLengthMiddleware(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = v4.AddComputePayloadSHA256Middleware(stack); err != nil {
  return err
 }
 if err = addRetryMiddlewares(stack, options); err != nil {
  return err
 }
 if err = awsmiddleware.AddRawResponseToMetadata(stack); err != nil {
  return err
 }
```

```
 if err = awsmiddleware.AddRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if
 err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = awsmiddleware.AddRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
```

1.6985 ca-certificates 20241121-r1

1.6985.1 Available under license :

/* c_rehash.c - Create hash symlinks for certificates
* C implementation based on the original Perl and shell versions
*
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*/
# Contributor: Sören Tempel <soeren+alpine@soeren-tempel.net>
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=ca-certificates
pkgver=20241121
pkgrel=1
pkgdesc="Common CA certificates PEM files from Mozilla"
url="https://www.mozilla.org/en-US/about/governance/policies/security-group/certs/"
arch="all"
# There is a GPL-2.0-or-later script inside the source but it is not shipped
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makedepends_build="perl"
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1.6986 gorilla-websocket 1.5.0

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--
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```
--
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--


ACCEDIAN-SMI DEFINITIONS ::= BEGIN

IMPORTS
  MODULE-IDENTITY, OBJECT-IDENTITY, OBJECT-TYPE, NOTIFICATION-TYPE, enterprises
     FROM SNMPv2-SMI
  MODULE-COMPLIANCE, OBJECT-GROUP, NOTIFICATION-GROUP
     FROM SNMPv2-CONF;

accedianMIB MODULE-IDENTITY
  LAST-UPDATED "200608060100Z"
  ORGANIZATION "Accedian Networks, Inc."
  CONTACT-INFO
         "Accedian Technical Assistance Center
          Accedian Networks, Inc.
          2351 Alfred-Nobel blvd., Suite N-410
          Saint-Laurent, Quebec Canada H4S 2A9
          E-mail: support@accedian.com"
  DESCRIPTION
         "The Structure of Management Information for Accedian Networks."

  REVISION "200608060100Z"
      -- 6 Aug 2006
  DESCRIPTION
         "Initial version of MIB module ACCEDIAN-SMI."

  ::= { enterprises 22420 }

--
-- Accedian MIB tree structure
--

acdProducts OBJECT-IDENTITY
  STATUS  current
  DESCRIPTION
         "The root of Accedian's Product OIDs."
  ::= { accedianMIB 1 }

acdMibs OBJECT-IDENTITY
  STATUS  current
  DESCRIPTION
         "The root of Accedian's MIB objects."
  ::= { accedianMIB 2 }
```

```
acdTraps OBJECT-IDENTITY
  STATUS  current
  DESCRIPTION
        "The root of Accedian's Trap OIDs."
  ::= { accedianMIB 3 }

  id OBJECT IDENTIFIER ::= {acdTraps 1}

  objectId OBJECT-TYPE
     SYNTAX OCTET STRING (SIZE (0..255))
     MAX-ACCESS  read-write
     STATUS current
     DESCRIPTION
        "The Monitored Object Id in Skylight Analytics"
     ::= {acdTraps 2}

  skylightObjectName OBJECT-TYPE
     SYNTAX OCTET STRING (SIZE (0..255))
     MAX-ACCESS  read-write
     STATUS current
      DESCRIPTION
        "The Monitored Object Name in Skylight Analytics"
     ::= {acdTraps 3}

  objectType OBJECT-TYPE
     SYNTAX OCTET STRING (SIZE (0..255))
     MAX-ACCESS  read-write
     STATUS current
     DESCRIPTION
        "The Monitored Object Type in Skylight Analytics"
     ::= {acdTraps 4}

  direction OBJECT-TYPE
     SYNTAX OCTET STRING (SIZE (0..255))
     MAX-ACCESS  read-write
     STATUS current
     DESCRIPTION
        "Direction of measurement"
     ::= {acdTraps 5}

  policy OBJECT-TYPE
     SYNTAX OCTET STRING (SIZE (0..255))
     MAX-ACCESS  read-write
     STATUS current
     DESCRIPTION
        "The ID of AlertPolicy hat was used to trigger this Alert"
     ::= {acdTraps 6}
```

```
metric OBJECT-TYPE
   SYNTAX OCTET STRING (SIZE (0..255))
   MAX-ACCESS  read-write
   STATUS current
   DESCRIPTION
      "The assoicated metric"
   ::= {acdTraps 7}

 alertType OBJECT-TYPE
   SYNTAX OCTET STRING (SIZE (0..255))
   MAX-ACCESS  read-write
   STATUS current
   DESCRIPTION
      "The alert type"
   ::= {acdTraps 8}

source OBJECT-TYPE
   SYNTAX OCTET STRING (SIZE (0..255))
   MAX-ACCESS  read-write
   STATUS current
   DESCRIPTION
      "The entity that detected the alert"
   ::= {acdTraps 9}

processedTime OBJECT-TYPE
   SYNTAX OCTET STRING (SIZE (0..255))
   MAX-ACCESS  read-write
   STATUS current
   DESCRIPTION
      "The time when this alert was processed"
   ::= {acdTraps 10}

startTime OBJECT-TYPE
   SYNTAX OCTET STRING (SIZE (0..255))
   MAX-ACCESS  read-write
   STATUS current
   DESCRIPTION
      "The time when this alert actually started"
   ::= {acdTraps 11}

timestamp OBJECT-TYPE
   SYNTAX OCTET STRING (SIZE (0..255))
   MAX-ACCESS  read-write
   STATUS current

  DESCRIPTION
      "The trap timestamp"
   ::= {acdTraps 12}
```

```
policyName OBJECT-TYPE
   SYNTAX OCTET STRING (SIZE (0..255))
   MAX-ACCESS  read-write
   STATUS current
   DESCRIPTION
      "The name of the policy that was configured to raise the alert"
   ::= {acdTraps 13}

alertState OBJECT-TYPE
   SYNTAX OCTET STRING (SIZE (0..255))
   MAX-ACCESS  read-write
   STATUS current
   DESCRIPTION
      "The current alert state"
   ::= {acdTraps 14}

thresholdValue OBJECT-TYPE
   SYNTAX OCTET STRING (SIZE (0..255))
   MAX-ACCESS  read-write
   STATUS current
   DESCRIPTION
      "The configured  threshold value"
   ::= {acdTraps 15}


metaDataKey1 OBJECT-TYPE
   SYNTAX OCTET STRING (SIZE (0..255))
   MAX-ACCESS  read-write
   STATUS current
   DESCRIPTION
      "Alert Metadata Key Name 1"
   ::= {acdTraps 16}

metaDataKey2 OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (0..255))
   MAX-ACCESS  read-write
   STATUS current
   DESCRIPTION
      "Alert Metadata Key Name 2"
   ::= {acdTraps 17}

metaDataKey3 OBJECT-TYPE
   SYNTAX OCTET STRING (SIZE (0..255))
   MAX-ACCESS  read-write
   STATUS current
   DESCRIPTION
      "Alert Metadata Key Name 3"
```

```
    ::= {acdTraps 18}

  metaDataKey4 OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (0..255))
    MAX-ACCESS  read-write
    STATUS current
    DESCRIPTION
      "Alert Metadata Key Name 4"
    ::= {acdTraps 19}

  metaDataKey5 OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (0..255))
    MAX-ACCESS  read-write
    STATUS current
    DESCRIPTION
      "Alert Metadata Key Name 5"
    ::= {acdTraps 20}

  metaDataVal1 OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (0..255))
    MAX-ACCESS  read-write
    STATUS current
    DESCRIPTION
      "Alert Metadata
Value 1"
    ::= {acdTraps 21}

  metaDataVal2 OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (0..255))
    MAX-ACCESS  read-write
    STATUS current
    DESCRIPTION
      "Alert Metadata Value 2"
    ::= {acdTraps 22}

  metaDataVal3 OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (0..255))
    MAX-ACCESS  read-write
    STATUS current
    DESCRIPTION
      "Alert Metadata Value 3"
    ::= {acdTraps 23}

  metaDataVal4 OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (0..255))
    MAX-ACCESS  read-write
    STATUS current
    DESCRIPTION
```

```
        "Alert Metadata Value 4"
    ::= {acdTraps 24}

  metaDataVal5 OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (0..255))
    MAX-ACCESS  read-write
    STATUS current
    DESCRIPTION
        "Alert Metadata Value 5"
    ::= {acdTraps 25}

acdTrapsConformance OBJECT IDENTIFIER ::= { acdTraps 500 }

acdTrapsCompliances  OBJECT IDENTIFIER ::= { acdTrapsConformance
 1 }
acdTrapsGroups       OBJECT IDENTIFIER ::= { acdTrapsConformance 2 }

acdTrapsNotifications OBJECT IDENTIFIER ::= { acdTraps 50 }

acdTrapSkylight NOTIFICATION-TYPE
  OBJECTS  {  objectId,
              skylightObjectName,
              objectType,
              direction,
              policy,
              metric,
              alertType,
              source,
              processedTime,
              startTime,
              timestamp,
              policyName,
              alertState,
              thresholdValue,
              metaDataKey1,
              metaDataKey2,
              metaDataKey3,
              metaDataKey4,
              metaDataKey5,
              metaDataVal1,
              metaDataVal2,
              metaDataVal3,
              metaDataVal4,
              metaDataVal5 }
  STATUS      current
  DESCRIPTION
    "The SNMP trap that is generated by Skylight Analytics
    when a policies threshold
```

```
 is crossed"

  ::= { acdTrapsNotifications 1 }


acdTrapsSkylightGroup OBJECT-GROUP
  OBJECTS {   objectId,
              skylightObjectName,
              objectType,
              direction,
              policy,
              metric,
              alertType,
              source,
              processedTime,
              startTime,
              timestamp,
              policyName,
              alertState,
              thresholdValue,
              metaDataKey1,
              metaDataKey2,
              metaDataKey3,
              metaDataKey4,
              metaDataKey5,
              metaDataVal1,
              metaDataVal2,
              metaDataVal3,
              metaDataVal4,
              metaDataVal5
  }
  STATUS      current
  DESCRIPTION
    "."
  ::= { acdTrapsGroups 1 }


acdTrapsSkylightNotificationsGroup NOTIFICATION-GROUP
  NOTIFICATIONS {
     acdTrapSkylight
  }
  STATUS      current
  DESCRIPTION
     "Objects for Skylight Notifications group."
  ::= { acdTraps 100 }

acdTrapsSkylightComplience MODULE-COMPLIANCE
  STATUS      current
```

```
  DESCRIPTION
    "The compliance statement for support of the skylight module."
  MODULE
     MANDATORY-GROUPS {
        acdTrapsSkylightGroup,
        acdTrapsSkylightNotificationsGroup
     }
  ::= { acdTrapsCompliances 1}

--  This is the top-level object identifier registry used by Accedian
--  products for SNMP modules containing experimental MIB definitions.
--  In this context, experimental MIBs are defined as:
--    1) IETF work-in-process MIBs which have not been assigned a permanent
--       object identifier by the IANA.
--    2) Accedian work-in-process MIBs that have not achieved final
--       production quality or field experience.
--   NOTE: Support for MIBs under the this OID subtree is temporary and
--        changes to objects may occur without notice."

acdExperiment  OBJECT IDENTIFIER ::=
 { accedianMIB 4 }

acdServices OBJECT-IDENTITY
  STATUS  current
  DESCRIPTION
        "The root of Accedian's Services OIDs."
  ::= { accedianMIB 5 }



END
```

Found in path(s):
* /opt/cola/permits/2310861110_1736853581.883089/0/adh-roadrunner-0-580-0-tar-gz/adh-roadrunner-0.580.0/mibs/ACCEDIAN-SMI.mib
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*/

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* /opt/cola/permits/2310861110_1736853581.883089/0/adh-roadrunner-0-580-0-tar-gz/adh-roadrunner-0.580.0/cmd/embedded.go
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Found in path(s):
* /opt/cola/permits/2310861110_1736853581.883089/0/adh-roadrunner-0-580-0-tar-gz/adh-roadrunner-0.580.0/cmd/version.go
* /opt/cola/permits/2310861110_1736853581.883089/0/adh-roadrunner-0-580-0-tar-gz/adh-roadrunner-0.580.0/cmd/login.go
* /opt/cola/permits/2310861110_1736853581.883089/0/adh-roadrunner-0-580-0-tar-gz/adh-roadrunner-0.580.0/main.go
* /opt/cola/permits/2310861110_1736853581.883089/0/adh-roadrunner-0-580-0-tar-gz/adh-roadrunner-0.580.0/cmd/data.go
* /opt/cola/permits/2310861110_1736853581.883089/0/adh-roadrunner-0-580-0-tar-gz/adh-roadrunner-0.580.0/cmd/root.go
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// Special handling for the Flex's semi-proprietary 'compressed' overloading

Found in path(s):
* /opt/cola/permits/2310861110_1736853581.883089/0/adh-roadrunner-0-580-0-tar-gz/adh-roadrunner-0.580.0/datasources/openMetricsParsing.go

1.6987 kubernetes-kubectl 0.18.0

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```
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package github

import "fmt"

// LicensesService handles communication with the license related
// methods of the GitHub API.
//
// GitHub API docs: http://developer.github.com/v3/pulls/
type LicensesService struct {
 client *Client
}

// License represents an open source license.
type License struct {
 Key  *string `json:"key,omitempty"`
 Name *string `json:"name,omitempty"`
 URL  *string `json:"url,omitempty"`

 HTMLURL        *string   `json:"html_url",omitempty`
 Featured       *bool     `json:"featured,omitempty"`
 Description    *string   `json:"description,omitempty"`
 Category       *string   `json:"category,omitempty"`
 Implementation *string   `json:"implementation,omitempty"`
 Required       *[]string `json:"required,omitempty"`
 Permitted      *[]string `json:"permitted,omitempty"`
 Forbidden      *[]string
 `json:"forbidden,omitempty"`
 Body           *string   `json:"body,omitempty"`
}

func (l License) String() string {
 return Stringify(l)
}

// List popular open source licenses.
//
// GitHub API docs: https://developer.github.com/v3/licenses/#list-all-licenses
func (s *LicensesService) List() ([]License, *Response, error) {
 req, err := s.client.NewRequest("GET", "licenses", nil)
 if err != nil {
  return nil, nil, err
 }

 // TODO: remove custom Accept header when this API fully launches
 req.Header.Set("Accept", mediaTypeLicensesPreview)
```

```
 licenses := new([]License)
 resp, err := s.client.Do(req, licenses)
 if err != nil {
  return nil, resp, err
 }

 return *licenses, resp, err
}

// Fetch extended metadata for one license.
//
// GitHub API docs: https://developer.github.com/v3/licenses/#get-an-individual-license
func (s *LicensesService) Get(licenseName string) (*License, *Response, error) {
 u := fmt.Sprintf("licenses/%s", licenseName)

 req, err := s.client.NewRequest("GET", u,
 nil)
 if err != nil {
  return nil, nil, err
 }

 // TODO: remove custom Accept header when this API fully launches
 req.Header.Set("Accept", mediaTypeLicensesPreview)

 license := new(License)
 resp, err := s.client.Do(req, license)
 if err != nil {
  return nil, resp, err
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 return license, resp, err
}
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#
```

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added to the AUTHORS file, depending on whether the
individual or corporate CLA
was used.

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Name <email address>
#
An entry with two email addresses specifies that the
first address should be used in the submit logs and
that the second address should be recognized as the
same person when interacting with Rietveld.

Please keep the list sorted.

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fields:
  site: string
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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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package github

import (
 "fmt"
 "net/http"
 "reflect"
 "testing"
)

func TestLicensesService_List(t *testing.T) {
 setup()
 defer teardown()

 mux.HandleFunc("/licenses", func(w http.ResponseWriter, r *http.Request) {
  testMethod(t, r, "GET")
  testHeader(t, r, "Accept", mediaTypeLicensesPreview)
  fmt.Fprint(w, `[{"key":"mit","name":"MIT","url":"https://api.github.com/licenses/mit"}]`)
 })

 licenses, _, err := client.Licenses.List()
 if err != nil {
  t.Errorf("Licenses.List returned error: %v", err)
 }

 want := []License{License{
  Key:  String("mit"),
  Name: String("MIT"),
  URL:  String("https://api.github.com/licenses/mit"),
 }}
 if !reflect.DeepEqual(licenses, want) {
  t.Errorf("Licenses.List returned %+v, want %+v", licenses, want)
 }
}

func TestLicensesService_Get(t *testing.T) {
 setup()
 defer teardown()

 mux.HandleFunc("/licenses/mit",
```

```
 func(w http.ResponseWriter, r *http.Request) {
  testMethod(t, r, "GET")
  testHeader(t, r, "Accept", mediaTypeLicensesPreview)
  fmt.Fprint(w, `{"key":"mit","name":"MIT"}`)
 })

 license, _, err := client.Licenses.Get("mit")
 if err != nil {
  t.Errorf("Licenses.Get returned error: %v", err)
 }

 want := &License{Key: String("mit"), Name: String("MIT")}
 if !reflect.DeepEqual(license, want) {
  t.Errorf("Licenses.Get returned %+v, want %+v", license, want)
 }
}

func TestLicensesService_Get_invalidTemplate(t *testing.T) {
 _, _, err := client.Licenses.Get("%")
 testURLParseError(t, err)
}
```

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1.6993 error_prone_annotations 2.30.0

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* /opt/cola/permits/2311122679_1736360499.6653624/0/error-prone-annotations-2-30-0-sources-jar/com/google/errorprone/annotations/MustBeClosed.java
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*
 /opt/cola/permits/2311122679_1736360499.6653624/0/error-prone-annotations-2-30-0-sources-jar/com/google/errorprone/annotations/Modifier.java
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*
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 /opt/cola/permits/2311122679_1736360499.6653624/0/error-prone-annotations-2-30-0-sources-jar/com/google/errorprone/annotations/IncompatibleModifiers.java
* /opt/cola/permits/2311122679_1736360499.6653624/0/error-prone-annotations-2-30-0-sources-jar/com/google/errorprone/annotations/Immutable.java
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*

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1.6994 objenesis 3.3.5

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[subs="normal"]
....
Specification: {doctitle}

Version: {revnumber}

ifeval::["{revremark}" != ""]
Status: {revremark}
endif::[]
ifeval::["{revremark}" == ""]
Status: Final Release
endif::[]

Release: {revdate}
....

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```
'# New ports collection makefile for:    python25\n' Comment

'# Date created:         3 July 2003\n' Comment

'# Whom:                Hye-Shik Chang <perky@FreeBSD.org>\n' Comment

'#\n'         Comment

'# $FreeBSD: ports/lang/python25/Makefile,v 1.145 2007/10/03 23:22:04 edwin Exp $\n' Comment

'\n'          Text.Whitespace

'PORTNAME'    Name.Variable
'='           Operator
'\t'          Text.Whitespace
'python25'    Text
'\n'          Text.Whitespace

'PORTVERSION' Name.Variable
'='           Operator
'\t'          Text.Whitespace
'2'           Literal.Number
'.5.1'        Text
'\n'          Text.Whitespace

'CATEGORIES'  Name.Variable
'='           Operator
'\t'          Text.Whitespace
'lang'        Text
' '           Text.Whitespace
'python'      Text
' '           Text.Whitespace
'ipv6'        Text
'\n'          Text.Whitespace

'MASTER_SITES' Name.Variable
'='           Operator
'\t'          Text.Whitespace
'${'          Literal.String.Interpol
'PYTHON_MASTER_SITES' Name.Variable
```

'}'
Literal.String.Interpol
'\n' Text.Whitespace

'MASTER_SITE_SUBDIR' Name.Variable
'=' Operator
'\t' Text.Whitespace
'${' Literal.String.Interpol
'PYTHON_MASTER_SITE_SUBDIR' Name.Variable
'}' Literal.String.Interpol
'\n' Text.Whitespace

'DISTFILES' Name.Variable
'=' Operator
'\t' Text.Whitespace
'${' Literal.String.Interpol
'PYTHON_DISTFILE' Name.Variable
'}' Literal.String.Interpol
'\n' Text.Whitespace

'\n' Text.Whitespace

'MAINTAINER' Name.Variable
'=' Operator
'\t' Text.Whitespace
'python@FreeBSD.org' Text
'\n' Text.Whitespace

'COMMENT' Name.Variable
'?=' Operator
'\t' Text.Whitespace
'An' Text
' ' Text.Whitespace
'interpreted' Text
' ' Text.Whitespace
'object-oriented' Text
' ' Text.Whitespace
'programming' Text
' ' Text.Whitespace
'language' Text
'\n'
Text.Whitespace

'\n' Text.Whitespace

'DIST_SUBDIR' Name.Variable
'=' Operator
'\t' Text.Whitespace

```
'python'      Text
'\n'          Text.Whitespace

'WRKSRC'      Name.Variable
'='           Operator
'\t\t'        Text.Whitespace
'${'          Literal.String.Interpol
'PYTHON_WRKSRC' Name.Variable
'}'           Literal.String.Interpol
'/portbld.static' Text
'\n'          Text.Whitespace

'PATCH_WRKSRC' Name.Variable
'='           Operator
'\t'          Text.Whitespace
'${'          Literal.String.Interpol
'PYTHON_WRKSRC' Name.Variable
'}'           Literal.String.Interpol
'\n'          Text.Whitespace

'GNU_CONFIGURE' Name.Variable
'='           Operator
'\t'          Text.Whitespace
'yes'         Text
'\n'          Text.Whitespace

'CONFIGURE_TARGET' Name.Variable
'='           Operator
'\t'          Text.Whitespace
'--build'     Text
'='           Operator
'${'          Literal.String.Interpol
'MACHINE_ARCH' Name.Variable
'}'           Literal.String.Interpol
'-portbld-freebsd'
 Text
'${'          Literal.String.Interpol
'OSREL'       Name.Variable
'}'           Literal.String.Interpol
'\n'          Text.Whitespace

'CONFIGURE_SCRIPT' Name.Variable
'='           Operator
'\t'          Text.Whitespace
'../configure' Text
' '           Text.Whitespace
'# must be relative\n' Comment.Single
```

```
'CONFIGURE_ENV' Name.Variable
'='          Operator
'\t'         Text.Whitespace
'OPT'        Name.Variable
'='          Operator
''''         Literal.String.Double
'${'         Literal.String.Interpol
'CFLAGS'     Name.Variable
'}'          Literal.String.Interpol
''''         Literal.String.Double
' '          Text.Whitespace
'SVNVERSION'  Name.Variable
'='          Operator
'''echo freebsd''' Literal.String.Double
'\n'         Text.Whitespace

'MAKE_ENV'    Name.Variable
'='          Operator
'\t'         Text.Whitespace
'VPATH'      Name.Variable
'='          Operator
''''         Literal.String.Double
'${'         Literal.String.Interpol
'PYTHON_WRKSRC'
 Name.Variable
'}'          Literal.String.Interpol
''''         Literal.String.Double
'\n'         Text.Whitespace

'INSTALLS_SHLIB' Name.Variable
'='          Operator
'\t'         Text.Whitespace
'yes'        Text
'\n'         Text.Whitespace

'INSTALL_TARGET' Name.Variable
'='          Operator
'\t'         Text.Whitespace
'altinstall'  Text
'\n'         Text.Whitespace

'MAN1'       Name.Variable
'='          Operator
'\t\t'       Text.Whitespace
'${'         Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'          Literal.String.Interpol
'.1'         Text
```

```
'\n'        Text.Whitespace

'\n'        Text.Whitespace

'USE_PYTHON'  Name.Variable
'='         Operator
'\t'        Text.Whitespace
'yes'        Text
'\n'        Text.Whitespace

'PYTHON_VERSION' Name.Variable
'='         Operator
'\t'        Text.Whitespace
'python2.5'   Text
'\n'        Text.Whitespace

'PYTHON_NO_DEPENDS' Name.Variable
'='
      Operator
'\t'        Text.Whitespace
'yes'        Text
'\n'        Text.Whitespace

'\n'        Text.Whitespace

'SHARED_WRKSRC' Name.Variable
'='         Operator
'\t'        Text.Whitespace
'${'         Literal.String.Interpol
'PYTHON_WRKSRC' Name.Variable
'}'         Literal.String.Interpol
'/portbld.shared' Text
'\n'        Text.Whitespace

'PLIST'      Name.Variable
'='         Operator
'\t\t'      Text.Whitespace
'${'         Literal.String.Interpol
'WRKDIR'     Name.Variable
'}'         Literal.String.Interpol
'/PLIST'     Text
'\n'        Text.Whitespace

'PLIST_TEMPLATE' Name.Variable
'?='         Operator
'${'         Literal.String.Interpol
'PKGDIR'     Name.Variable
'}'         Literal.String.Interpol
```

```
'/pkg-plist'  Text
'\n'          Text.Whitespace

'PLIST_SUB'   Name.Variable
'='           Operator
'\t'          Text.Whitespace
'PYVER'       Name.Variable
'='           Operator
'${'          Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
':'
          Punctuation
'S'           Name.Variable
'/python//'   Punctuation
'}'           Literal.String.Interpol
' '           Text.Whitespace
'\\\n'        Literal.String.Escape

'\t\t'        Text.Whitespace
'PYVER_WITHPAT' Name.Variable
'='           Operator
'${'          Literal.String.Interpol
'PORTVERSION' Name.Variable
':'           Punctuation
'S'           Name.Variable
'/.c/c/'      Punctuation
'}'           Literal.String.Interpol
'\n'          Text.Whitespace

'DEMODIR'     Name.Variable
'='           Operator
'\t'          Text.Whitespace
'${'          Literal.String.Interpol
'PREFIX'      Name.Variable
'}'           Literal.String.Interpol
'/share/examples/' Text
'${'          Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'           Literal.String.Interpol
'\n'          Text.Whitespace

'TOOLSDIR'    Name.Variable
'='           Operator
'\t'          Text.Whitespace
'${'          Literal.String.Interpol
'PREFIX'      Name.Variable
'}'
```

```
    Literal.String.Interpol
'/share/'     Text
'${'          Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'           Literal.String.Interpol
'\n'          Text.Whitespace

'\n'          Text.Whitespace

'BIN_SCRIPTS' Name.Variable
'='           Operator
'\t'          Text.Whitespace
'idle'        Text
' '           Text.Whitespace
'pydoc'       Text
' '           Text.Whitespace
'python'      Text
' '           Text.Whitespace
'python-shared' Text
' '           Text.Whitespace
'smtpd.py'    Text
' '           Text.Whitespace
'python-config' Text
' '           Text.Whitespace
'\\\n'        Literal.String.Escape

'\t\t'        Text.Whitespace
'python-shared-config' Text
'\n'          Text.Whitespace

'BINLINKS_SUB' Name.Variable
'='           Operator
'\t'          Text.Whitespace
'-e'          Text
' '           Text.Whitespace
'"s,smtpd,smtpd${PYTHON_VER},"' Literal.String.Single
' '           Text.Whitespace
'\\\n'        Literal.String.Escape

'\t\t'        Text.Whitespace
'-e'
          Text
' '           Text.Whitespace
'"s,(idle|pydoc|python-shared|python),\\1${PYTHON_VER},"' Literal.String.Single
'\n\n'        Text.Whitespace

'OPTIONS'     Name.Variable
'='           Operator
```

```
'\t'        Text.Whitespace
'THREADS'     Text
' '         Text.Whitespace
'''Enable thread support''' Literal.String.Double
' '         Text.Whitespace
'on'          Text
' '         Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
'HUGE_STACK_SIZE' Text
' '         Text.Whitespace
'''Use a larger thread stack''' Literal.String.Double
' '         Text.Whitespace
'off'         Text
' '         Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
'UCS4'        Text
' '         Text.Whitespace
'''Use UCS4 for unicode support''' Literal.String.Double
' '         Text.Whitespace
'on'          Text
' '         Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
'PYMALLOC'
   Text
' '         Text.Whitespace
'''Use python\'s internal malloc''' Literal.String.Double
' '         Text.Whitespace
'on'          Text
' '         Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
'IPV6'        Text
' '         Text.Whitespace
'''Enable IPv6 support''' Literal.String.Double
' '         Text.Whitespace
'on'          Text
' '         Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
'FPECTL'      Text
```

```
' '          Text.Whitespace
'"Enable floating point exception handling"' Literal.String.Double
' '          Text.Whitespace
'off'        Text
'\n\n'       Text.Whitespace

'.include <bsd.port.pre.mk>\n' Comment.Preproc

'\n'         Text.Whitespace

'.if ${PYTHON_VERSION} == ${PYTHON_DEFAULT_VERSION}\n' Comment.Preproc

'MLINKS'     Name.Variable
'='          Operator
'\t\t'       Text.Whitespace
'${'         Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'          Literal.String.Interpol
'.1'
        Text
' '          Text.Whitespace
'python.1'   Text
'\n'         Text.Whitespace

'PLIST_SUB'   Name.Variable
'+='         Operator
'\t'         Text.Whitespace
'IF_DEFAULT'  Name.Variable
'='          Operator
'"'          Literal.String.Double
'\n'         Text.Whitespace

'.else\n'    Comment.Preproc

'PLIST_SUB'   Name.Variable
'+='         Operator
'\t'         Text.Whitespace
'IF_DEFAULT'  Name.Variable
'='          Operator
'"@comment "' Literal.String.Double
'\n'         Text.Whitespace

'.endif\n'   Comment.Preproc

'\n'         Text.Whitespace

'# workaround for a bug in base curses.h.\n' Comment
```

```
'CFLAGS'      Name.Variable
'+='          Operator
'\t'          Text.Whitespace
'-D__wchar_t' Text
'='           Operator
'wchar_t'     Text
'\n'          Text.Whitespace

'\n'          Text.Whitespace

'.if !defined(WITHOUT_THREADS)\n' Comment.Preproc

'CONFIGURE_ARGS' Name.Variable
'+='          Operator
'\t'          Text.Whitespace
'--with-threads'
 Text
'\n'          Text.Whitespace

'CFLAGS'      Name.Variable
'+='          Operator
'\t\t'        Text.Whitespace
'${'          Literal.String.Interpol
'PTHREAD_CFLAGS' Name.Variable
'}'           Literal.String.Interpol
'\n'          Text.Whitespace

'.if defined(WITHOUT_HUGE_STACK_SIZE)\n' Comment.Preproc

'CFLAGS'      Name.Variable
'+='          Operator
'\t\t'        Text.Whitespace
'-DTHREAD_STACK_SIZE' Text
'='           Operator
'0x20000'     Text
'\n'          Text.Whitespace

'.else\n'     Comment.Preproc

'CFLAGS'      Name.Variable
'+='          Operator
'\t\t'        Text.Whitespace
'-DTHREAD_STACK_SIZE' Text
'='           Operator
'0x100000'    Text
'\n'          Text.Whitespace

'.endif # defined(WITHOUT_HUGE_STACK_SIZE)\n' Comment.Preproc
```

```
'CONFIGURE_ENV' Name.Variable
'+='        Operator
'\t\t'      Text.Whitespace
'LDFLAGS'   Name.Variable
'='         Operator
''''        Literal.String.Double
'${'        Literal.String.Interpol
'PTHREAD_LIBS'
 Name.Variable
'}'         Literal.String.Interpol
' '         Literal.String.Double
'${'        Literal.String.Interpol
'LDFLAGS'   Name.Variable
'}'         Literal.String.Interpol
''''        Literal.String.Double
'\n'        Text.Whitespace

'.else\n'   Comment.Preproc

'CONFIGURE_ARGS' Name.Variable
'+='        Operator
'\t'        Text.Whitespace
'--without-threads' Text
'\n'        Text.Whitespace

'.if defined(LDFLAGS)\n' Comment.Preproc

'CONFIGURE_ENV' Name.Variable
'+='        Operator
'\t\t'      Text.Whitespace
'LDFLAGS'   Name.Variable
'='         Operator
''''        Literal.String.Double
'${'        Literal.String.Interpol
'LDFLAGS'   Name.Variable
'}'         Literal.String.Interpol
''''        Literal.String.Double
'\n'        Text.Whitespace

'.endif # defined(LDFLAGS)\n' Comment.Preproc

'.endif # !defined(WITHOUT_THREADS)\n' Comment.Preproc

'\n'        Text.Whitespace

'.if !defined(WITHOUT_UCS4) && !defined(WITH_UCS2)\n'
```

```
 Comment.Preproc

'CONFIGURE_ARGS' Name.Variable
'+='          Operator
'\t'          Text.Whitespace
'--enable-unicode' Text
'='           Operator
'ucs4'        Text
'\n'          Text.Whitespace

'.endif\n'    Comment.Preproc

'\n'          Text.Whitespace

'.if defined(WITHOUT_PYMALLOC)\n' Comment.Preproc

'CONFIGURE_ARGS' Name.Variable
'+='          Operator
'       '     Text.Whitespace
'--without-pymalloc' Text
'\n'          Text.Whitespace

'.endif\n'    Comment.Preproc

'\n'          Text.Whitespace

'.if ${ARCH} == i386\n' Comment.Preproc

'PLIST_SUB'   Name.Variable
'+='          Operator
'\t'          Text.Whitespace
'X86_ONLY'    Name.Variable
'='           Operator
'"'           Literal.String.Double
'\n'          Text.Whitespace

'.else\n'     Comment.Preproc

'PLIST_SUB'   Name.Variable
'+='          Operator
'\t'          Text.Whitespace
'X86_ONLY'    Name.Variable
'='           Operator
'"@comment " Literal.String.Double
'\n'          Text.Whitespace

'.endif\n'
```

```
    Comment.Preproc

'.if ${ARCH} == amd64 || ${ARCH} == ia64 || ${ARCH} == sparc64 || ${ARCH} == alpha\n' Comment.Preproc

'PLIST_SUB'   Name.Variable
'+='          Operator
'    '       Text.Whitespace
'32BIT_ONLY'  Name.Variable
'='           Operator
'"@comment " Literal.String.Double
'\n'          Text.Whitespace

'.else\n'     Comment.Preproc

'PLIST_SUB'   Name.Variable
'+='          Operator
'    '       Text.Whitespace
'32BIT_ONLY'  Name.Variable
'='           Operator
'""'          Literal.String.Double
'\n'          Text.Whitespace

'.endif\n'    Comment.Preproc

'.if ${ARCH} == sparc64\n' Comment.Preproc

'CFLAGS'      Name.Variable
'+='          Operator
'       '     Text.Whitespace
'-DPYTHON_DEFAULT_RECURSION_LIMIT' Text
'='           Operator
'900'         Literal.Number
'\n'          Text.Whitespace

'.endif\n'    Comment.Preproc

'\n'          Text.Whitespace

'.if !exists(/usr/bin/ypcat) # the world with NO_NIS\n' Comment.Preproc

'PLIST_SUB'   Name.Variable
'+='
          Operator
'\t'          Text.Whitespace
'NO_NIS'      Name.Variable
'='           Operator
'"@comment " Literal.String.Double
'\n'          Text.Whitespace
```

```
'.else\n'     Comment.Preproc

'PLIST_SUB'   Name.Variable
'+='          Operator
'\t'          Text.Whitespace
'NO_NIS'      Name.Variable
'='           Operator
'"'           Literal.String.Double
'\n'          Text.Whitespace

'.endif\n'    Comment.Preproc

'\n'          Text.Whitespace

'.if !defined(WITHOUT_IPV6)\n' Comment.Preproc

'CONFIGURE_ARGS' Name.Variable
'+='          Operator
' '           Text.Whitespace
'--enable-ipv6' Text
'\n'          Text.Whitespace

'.else\n'     Comment.Preproc

'CONFIGURE_ARGS' Name.Variable
'+='          Operator
' '           Text.Whitespace
'--disable-ipv6' Text
'\n'          Text.Whitespace

'.endif\n'    Comment.Preproc

'\n'          Text.Whitespace

'.if defined(WITH_FPECTL)\n' Comment.Preproc

'CONFIGURE_ARGS' Name.Variable
'+='          Operator
' '           Text.Whitespace
'--with-fpectl'
 Text
'\n'          Text.Whitespace

'.endif\n'    Comment.Preproc

'\n'          Text.Whitespace
```

```
'.if ${OSVERSION} >= 700000\n' Comment.Preproc

'PLATFORMS'   Name.Variable
'='           Operator
'plat-freebsd4' Text
' '           Text.Whitespace
'plat-freebsd5' Text
' '           Text.Whitespace
'plat-freebsd6' Text
'\n'          Text.Whitespace

'.elif ${OSVERSION} >= 600000\n' Comment.Preproc

'PLATFORMS'   Name.Variable
'='           Operator
'plat-freebsd4' Text
' '           Text.Whitespace
'plat-freebsd5' Text
' '           Text.Whitespace
'plat-freebsd7' Text
'\n'          Text.Whitespace

'.else\n'     Comment.Preproc

'PLATFORMS'   Name.Variable
'='           Operator
'plat-freebsd4' Text
' '           Text.Whitespace
'plat-freebsd6' Text
' '           Text.Whitespace
'plat-freebsd7' Text
'\n'          Text.Whitespace

'.endif\n'    Comment.Preproc

'\n'          Text.Whitespace

'pre-patch'   Name.Function
':'           Operator
'\n'          Text.Whitespace

'\t'
          Text.Whitespace
'${'          Literal.String.Interpol
'MKDIR'       Name.Variable
'}'           Literal.String.Interpol
' '           Text.Whitespace
'${'          Literal.String.Interpol
```

```
'WRKSRC'      Name.Variable
'}'           Literal.String.Interpol
' '           Text.Whitespace
'${'          Literal.String.Interpol
'SHARED_WRKSRC' Name.Variable
'}'           Literal.String.Interpol
'/Modules'    Text
'\n\t'        Text.Whitespace
'${'          Literal.String.Interpol
'SED'         Name.Variable
'}'           Literal.String.Interpol
' '           Text.Whitespace
'-e'          Text
' '           Text.Whitespace
"'1s,^.*$$,#!${PREFIX}/bin/${PYTHON_VERSION},'" Literal.String.Single
' '           Text.Whitespace
'\\\n'        Literal.String.Escape

'\t\t'        Text.Whitespace
'${'          Literal.String.Interpol
'PATCH_WRKSRC' Name.Variable
'}'           Literal.String.Interpol
'/Tools/scripts/pydoc' Text
' '           Text.Whitespace
'>'           Text
' '
     Text.Whitespace
'${'          Literal.String.Interpol
'WRKDIR'      Name.Variable
'}'           Literal.String.Interpol
'/pydoc2.5'   Text
'\n\t'        Text.Whitespace
'${'          Literal.String.Interpol
'SED'         Name.Variable
'}'           Literal.String.Interpol
' '           Text.Whitespace
'-e'          Text
' '           Text.Whitespace
"'1s,^.*$$,#!${PREFIX}/bin/${PYTHON_VERSION},'" Literal.String.Single
' '           Text.Whitespace
'\\\n'        Literal.String.Escape

'\t\t'        Text.Whitespace
'${'          Literal.String.Interpol
'PATCH_WRKSRC' Name.Variable
'}'           Literal.String.Interpol
'/Tools/scripts/idle' Text
' '           Text.Whitespace
```

```
'>'          Text
' '          Text.Whitespace
'${'         Literal.String.Interpol
'WRKDIR'     Name.Variable
'}'          Literal.String.Interpol
'/idle2.5'   Text
'\n\t'       Text.Whitespace
'${'         Literal.String.Interpol
'SED'        Name.Variable
'}'          Literal.String.Interpol
' '
      Text.Whitespace
'-e'         Text
' '          Text.Whitespace
'''1s,^.*$$,#!${PREFIX}/bin/${PYTHON_VERSION},''' Literal.String.Single
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
'${'         Literal.String.Interpol
'PATCH_WRKSRC' Name.Variable
'}'          Literal.String.Interpol
'/Lib/smtpd.py' Text
' '          Text.Whitespace
'>'          Text
' '          Text.Whitespace
'${'         Literal.String.Interpol
'WRKDIR'     Name.Variable
'}'          Literal.String.Interpol
'/smtpd2.5.py' Text
'\n\t'       Text.Whitespace
'${'         Literal.String.Interpol
'REINPLACE_CMD' Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'-e'         Text
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
'''s,/usr/doc/python-docs-,${PREFIX}/share/doc/python,g''' Literal.String.Single
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'
      Text.Whitespace
'${'         Literal.String.Interpol
'PATCH_WRKSRC' Name.Variable
```

```
'}'          Literal.String.Interpol
'/Lib/pydoc.py' Text
'\n\t'       Text.Whitespace
'${'         Literal.String.Interpol
'REINPLACE_CMD' Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'-e'         Text
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
"\'s|^\\( *prefixes = .*\\)\\]$$|\\1, "${X11BASE}"]|g\" Literal.String.Single
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
'${'         Literal.String.Interpol
'PATCH_WRKSRC' Name.Variable
'}'          Literal.String.Interpol
'/Lib/site.py' Text
'\n\t'       Text.Whitespace
'${'         Literal.String.Interpol
'REINPLACE_CMD' Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'-e'         Text
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'
 Text.Whitespace
'"s|^\t\\(..ASDLGEN.*\\)$$|\t${TRUE}|g"' Literal.String.Single
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
'${'         Literal.String.Interpol
'PATCH_WRKSRC' Name.Variable
'}'          Literal.String.Interpol
'/Makefile.pre.in' Text
'\n\n\t'     Text.Whitespace
'${'         Literal.String.Interpol
'REINPLACE_CMD' Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'-e'         Text
' '          Text.Whitespace
```

```
'\\\n'        Literal.String.Escape

'\t\t'        Text.Whitespace
"'s|*\\(..INSTALL_SCRIPT.*\\)python-config$$|#port \\1|'" Literal.String.Single
' '           Text.Whitespace
'\\\n'        Literal.String.Escape

'\t\t'        Text.Whitespace
'${'          Literal.String.Interpol
'PATCH_WRKSRC' Name.Variable
'}'           Literal.String.Interpol
'/Makefile.pre.in' Text
'\n\n\t'      Text.Whitespace
'${'          Literal.String.Interpol
'SED'         Name.Variable
'}'
    Literal.String.Interpol
' '           Text.Whitespace
'-e'          Text
' '           Text.Whitespace
"'s|^#!.*|#!${PREFIX}/bin/${PYTHON_VERSION}|'" Literal.String.Single
' '           Text.Whitespace
'\\\n'        Literal.String.Escape

'\t\t'        Text.Whitespace
'${'          Literal.String.Interpol
'PATCH_WRKSRC' Name.Variable
'}'           Literal.String.Interpol
'/Misc/python-config.in' Text
' '           Text.Whitespace
'>'           Text
' '           Text.Whitespace
'${'          Literal.String.Interpol
'WRKDIR'      Name.Variable
'}'           Literal.String.Interpol
'/'           Text
'${'          Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'           Literal.String.Interpol
'-config'     Text
'\n\t'        Text.Whitespace
'${'          Literal.String.Interpol
'SED'         Name.Variable
'}'           Literal.String.Interpol
' '           Text.Whitespace
'-e'          Text
' '           Text.Whitespace
"'s|^#!.*|#!${PREFIX}/bin/${PYTHON_VERSION:S/thon/thon-shared/}|'"
```

```
 Literal.String.Single
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
'${'         Literal.String.Interpol
'PATCH_WRKSRC' Name.Variable
'}'          Literal.String.Interpol
'/Misc/python-config.in' Text
' '          Text.Whitespace
'>'          Text
' '          Text.Whitespace
'${'         Literal.String.Interpol
'WRKDIR'     Name.Variable
'}'          Literal.String.Interpol
'/'          Text
'${'         Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
':'          Punctuation
'S'          Name.Variable
'/thon/thon-shared/' Punctuation
'}'          Literal.String.Interpol
'-config'    Text
'\n\n'       Text.Whitespace

'.if defined(WITH_FPECTL) && ${ARCH} == i386\n' Comment.Preproc

'\t'         Text.Whitespace
'${'         Literal.String.Interpol
'MKDIR'      Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'${'         Literal.String.Interpol
'WRKSRC'     Name.Variable
'}'
         Literal.String.Interpol
'/Modules'   Text
'\n\t'       Text.Whitespace
'${'         Literal.String.Interpol
'ECHO'       Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'"fpectl fpectlmodule.c"' Literal.String.Double
' '          Text.Whitespace
'>>'         Text
' '          Text.Whitespace
'${'         Literal.String.Interpol
'WRKSRC'     Name.Variable
```

```
'}'          Literal.String.Interpol
'/Modules/Setup.dist' Text
'\n'         Text.Whitespace

'.endif\n'    Comment.Preproc

'\n'         Text.Whitespace

'post-configure' Name.Function
':'          Operator
'\n'         Text.Whitespace

'\t'         Text.Whitespace
'${'         Literal.String.Interpol
'TAR'        Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'-C'         Text
' '          Text.Whitespace
'${'         Literal.String.Interpol
'WRKSRC'     Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'-cf'
        Text
' '          Text.Whitespace
'-'          Text
' '          Text.Whitespace
'.'          Text
' '          Text.Whitespace
'|'          Punctuation
' '          Text.Whitespace
'${'         Literal.String.Interpol
'TAR'        Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'-C'         Text
' '          Text.Whitespace
'${'         Literal.String.Interpol
'SHARED_WRKSRC' Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'-xf'        Text
' '          Text.Whitespace
'-'          Text
'\n\t'       Text.Whitespace
'${'         Literal.String.Interpol
'LN'         Name.Variable
```

```
'}'          Literal.String.Interpol
' '          Text.Whitespace
'-sf'        Text
' '          Text.Whitespace
'${'         Literal.String.Interpol
'PYTHON_WRKSRC' Name.Variable
'}'          Literal.String.Interpol
'/Lib'       Text
' '          Text.Whitespace
'${'         Literal.String.Interpol
'WRKSRC'
     Name.Variable
'}'          Literal.String.Interpol
'/Lib'       Text
'\n\t'       Text.Whitespace
'${'         Literal.String.Interpol
'SED'        Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'-e'         Text
' '          Text.Whitespace
"'s,^\\(LDLIBRARY=\\).*$$,\\1libpython$$(VERSION).so,'" Literal.String.Single
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
'-e'         Text
' '          Text.Whitespace
"'s,^\\(BLDLIBRARY=\\).*$$,\\1-L. -lpython$$(VERSION),'" Literal.String.Single
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
'-e'         Text
' '          Text.Whitespace
"'s,^\\(CFLAGSFORSHARED=\\).*$$,\\1$$(CCSHARED),'" Literal.String.Single
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
'-e'         Text
' '          Text.Whitespace
"'s,^\\(Makefile Modules/config.c:.*\\)Makefile.pre,\\1,'"
 Literal.String.Single
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
```

```
'-e'        Text
' '         Text.Whitespace
'"s,^\\(.(BUILDPYTHON)\\: .*\\).(LIBRARY),\\1,"' Literal.String.Single
' '         Text.Whitespace
'\\\n'      Literal.String.Escape

'\t\t'      Text.Whitespace
'-e'        Text
' '         Text.Whitespace
'"s,^\\(.(BUILDPYTHON):.*\\).(LIBRARY),\\1,"' Literal.String.Single
' '         Text.Whitespace
'\\\n'      Literal.String.Escape

'\t\t'      Text.Whitespace
'${'        Literal.String.Interpol
'WRKSRC'    Name.Variable
'}'         Literal.String.Interpol
'/Makefile' Text
' '         Text.Whitespace
'>'         Text
' '         Text.Whitespace
'${'        Literal.String.Interpol
'SHARED_WRKSRC' Name.Variable
'}'         Literal.String.Interpol
'/Makefile' Text
'\n\n'      Text.Whitespace

'pre-build' Name.Function
':'         Operator
'\n'
        Text.Whitespace

'\t'        Text.Whitespace
'cd'        Name.Builtin
' '         Text.Whitespace
'${'        Literal.String.Interpol
'SHARED_WRKSRC' Name.Variable
'}'         Literal.String.Interpol
';'         Punctuation
' '         Text.Whitespace
'\\\n'      Literal.String.Escape

'\t'        Text.Whitespace
'${'        Literal.String.Interpol
'SETENV'    Name.Variable
'}'         Literal.String.Interpol
' '         Text.Whitespace
'${'        Literal.String.Interpol
```

```
'MAKE_ENV'    Name.Variable
'}'           Literal.String.Interpol
' '           Text.Whitespace
'${'          Literal.String.Interpol
'MAKE'        Name.Variable
'}'           Literal.String.Interpol
' '           Text.Whitespace
'lib'         Text
'${'          Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'           Literal.String.Interpol
'.so'         Text
' '           Text.Whitespace
'python'      Text
';'           Punctuation
' '           Text.Whitespace
'\\\n'
        Literal.String.Escape

'\t'          Text.Whitespace
'${'          Literal.String.Interpol
'LN'          Name.Variable
'}'           Literal.String.Interpol
' '           Text.Whitespace
'-f'          Text
' '           Text.Whitespace
'lib'         Text
'${'          Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'           Literal.String.Interpol
'.so'         Text
' '           Text.Whitespace
'lib'         Text
'${'          Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'           Literal.String.Interpol
'.so.1'       Text
';'           Punctuation
' '           Text.Whitespace
'\\\n'        Literal.String.Escape

'\t'          Text.Whitespace
'${'          Literal.String.Interpol
'LN'          Name.Variable
'}'           Literal.String.Interpol
' '           Text.Whitespace
'-f'          Text
' '           Text.Whitespace
```

```
'python'      Text
' '           Text.Whitespace
'${'          Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
':'
  Punctuation
'S'           Name.Variable
'/thon/thon-shared/' Punctuation
'}'           Literal.String.Interpol
'\n\n'        Text.Whitespace

'pre-su-install' Name.Function
':'           Operator
'\n'          Text.Whitespace

'.for platform in ${PLATFORMS}\n' Comment.Preproc

'\t'          Text.Whitespace
'${'          Literal.String.Interpol
'MKDIR'       Name.Variable
'}'           Literal.String.Interpol
' '           Text.Whitespace
'${'          Literal.String.Interpol
'PYTHONPREFIX_LIBDIR' Name.Variable
'}'           Literal.String.Interpol
'/'           Text
'${'          Literal.String.Interpol
'platform'    Name.Variable
'}'           Literal.String.Interpol
'\n'          Text.Whitespace

'.for file in IN.py regen\n' Comment.Preproc

'\t'          Text.Whitespace
'${'          Literal.String.Interpol
'INSTALL_DATA' Name.Variable
'}'           Literal.String.Interpol
' '           Text.Whitespace
'${'          Literal.String.Interpol
'WRKSRC'      Name.Variable
'}'
 Literal.String.Interpol
'/Lib/'       Text
'${'          Literal.String.Interpol
'platform'    Name.Variable
'}'           Literal.String.Interpol
'/'           Text
'${'          Literal.String.Interpol
```

```
'file'        Name.Variable
'}'           Literal.String.Interpol
' '           Text.Whitespace
'\\\n'        Literal.String.Escape

'\t\t'        Text.Whitespace
'${'          Literal.String.Interpol
'PYTHONPREFIX_LIBDIR' Name.Variable
'}'           Literal.String.Interpol
'/'           Text
'${'          Literal.String.Interpol
'platform'    Name.Variable
'}'           Literal.String.Interpol
'/'           Text
'\n'          Text.Whitespace

'.endfor\n'   Comment.Preproc

'.endfor\n'   Comment.Preproc

'\n'          Text.Whitespace

'pre-install' Name.Function
':'           Operator
'\n'          Text.Whitespace

'\t'          Text.Whitespace
'${'          Literal.String.Interpol
'CAT'         Name.Variable
'}'           Literal.String.Interpol
' '           Text.Whitespace
'${'
     Literal.String.Interpol
'PLIST_TEMPLATE' Name.Variable
'}'           Literal.String.Interpol
' '           Text.Whitespace
'|'           Punctuation
' '           Text.Whitespace
'${'          Literal.String.Interpol
'AWK'         Name.Variable
'}'           Literal.String.Interpol
' '           Text.Whitespace
'\'{ print $$0; } \\\n\t/LIBDIR.*\\.py$$/ && !/\\/bad/ { print $$0 "o"; print $$0 "c"; }\" Literal.String.Single
'\t'          Text.Whitespace
'>'           Text
' '           Text.Whitespace
'${'          Literal.String.Interpol
'PLIST'       Name.Variable
```

```
'}'          Literal.String.Interpol
'\n\n'       Text.Whitespace

"\t@# if openssl 0.9.8 is detected, _sha{256,512} module won't be installed\n" Comment

'\t'         Text.Whitespace
'('          Operator
'['          Operator
' '          Text.Whitespace
'-f'         Text
' '          Text.Whitespace
'${'         Literal.String.Interpol
'WRKSRC'     Name.Variable
'}'          Literal.String.Interpol
'/.without_own_sha'
 Text
' '          Text.Whitespace
']'          Operator
' '          Text.Whitespace
'&&'         Operator
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
'${'         Literal.String.Interpol
'GREP'       Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'-v'         Text
' '          Text.Whitespace
'"lib-dynload/_sha"' Literal.String.Single
' '          Text.Whitespace
'${'         Literal.String.Interpol
'PLIST'      Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'>'          Text
' '          Text.Whitespace
'${'         Literal.String.Interpol
'PLIST'      Name.Variable
'}'          Literal.String.Interpol
'.tmp'       Text
' '          Text.Whitespace
'&&'         Operator
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
```

```
'${'        Literal.String.Interpol
'CAT'       Name.Variable
'}'
        Literal.String.Interpol
' '         Text.Whitespace
'${'        Literal.String.Interpol
'PLIST'     Name.Variable
'}'         Literal.String.Interpol
'.tmp'      Text
' '         Text.Whitespace
'>'         Text
' '         Text.Whitespace
'${'        Literal.String.Interpol
'PLIST'     Name.Variable
'}'         Literal.String.Interpol
')'         Operator
' '         Text.Whitespace
'||'        Operator
' '         Text.Whitespace
'${'        Literal.String.Interpol
'TRUE'      Name.Variable
'}'         Literal.String.Interpol
'\n\n'      Text.Whitespace

'post-install' Name.Function
':'         Operator
'\n'        Text.Whitespace

'\t@# install config providers\n' Comment

'\t'        Text.Whitespace
'${'        Literal.String.Interpol
'INSTALL_SCRIPT' Name.Variable
'}'         Literal.String.Interpol
' '         Text.Whitespace
'${'        Literal.String.Interpol
'WRKDIR'    Name.Variable
'}'         Literal.String.Interpol
'/'
        Text
'${'        Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'         Literal.String.Interpol
'-config'   Text
' '         Text.Whitespace
'${'        Literal.String.Interpol
'PREFIX'    Name.Variable
'}'         Literal.String.Interpol
```

```
'/bin'        Text
'\n\t'        Text.Whitespace
'${'          Literal.String.Interpol
'INSTALL_SCRIPT' Name.Variable
'}'           Literal.String.Interpol
' '           Text.Whitespace
'${'          Literal.String.Interpol
'WRKDIR'      Name.Variable
'}'           Literal.String.Interpol
'/'           Text
'${'          Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
':'           Punctuation
'S'           Name.Variable
'/thon/thon-shared/' Punctuation
'}'           Literal.String.Interpol
'-config'     Text
' '           Text.Whitespace
'${'          Literal.String.Interpol
'PREFIX'      Name.Variable
'}'           Literal.String.Interpol
'/bin'        Text
'\n\n'        Text.Whitespace

'\t@#
 shared version of executable and library\n' Comment

'\t'          Text.Whitespace
'${'          Literal.String.Interpol
'INSTALL_PROGRAM' Name.Variable
'}'           Literal.String.Interpol
' '           Text.Whitespace
'${'          Literal.String.Interpol
'SHARED_WRKSRC' Name.Variable
'}'           Literal.String.Interpol
'/lib'        Text
'${'          Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'           Literal.String.Interpol
'.so.1'       Text
' '           Text.Whitespace
'\\\n'        Literal.String.Escape

'\t\t'        Text.Whitespace
'${'          Literal.String.Interpol
'PREFIX'      Name.Variable
'}'           Literal.String.Interpol
'/lib'        Text
```

```
'\n\t'       Text.Whitespace
'cd'         Name.Builtin
' '          Text.Whitespace
'${'         Literal.String.Interpol
'PREFIX'     Name.Variable
'}'          Literal.String.Interpol
'/lib'       Text
';'          Punctuation
' '          Text.Whitespace
'${'         Literal.String.Interpol
'LN'
        Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'-sf'        Text
' '          Text.Whitespace
'lib'        Text
'${'         Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'          Literal.String.Interpol
'.so.1'      Text
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
'lib'        Text
'${'         Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'          Literal.String.Interpol
'.so'        Text
'\n\t'       Text.Whitespace
'${'         Literal.String.Interpol
'LN'         Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'-sf'        Text
' '          Text.Whitespace
'${'         Literal.String.Interpol
'PREFIX'     Name.Variable
'}'          Literal.String.Interpol
'/lib/lib'   Text
'${'         Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'          Literal.String.Interpol
'.so'        Text
' '
      Text.Whitespace
'${'         Literal.String.Interpol
```

```
'PYTHONPREFIX_LIBDIR' Name.Variable
'}'          Literal.String.Interpol
'/config'     Text
'\n\t'        Text.Whitespace
'${'          Literal.String.Interpol
'INSTALL_PROGRAM' Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'\\\n'        Literal.String.Escape

'\t\t'        Text.Whitespace
'${'          Literal.String.Interpol
'SHARED_WRKSRC' Name.Variable
'}'          Literal.String.Interpol
'/'          Text
'${'          Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
':'          Punctuation
'S'           Name.Variable
'/thon/thon-shared/' Punctuation
'}'          Literal.String.Interpol
' '          Text.Whitespace
'\\\n'        Literal.String.Escape

'\t\t'        Text.Whitespace
'${'          Literal.String.Interpol
'PREFIX'      Name.Variable
'}'          Literal.String.Interpol
'/bin'        Text
'\n\n'        Text.Whitespace

'\t@# additional files installing by ports\n'
 Comment

'\t'          Text.Whitespace
'${'          Literal.String.Interpol
'INSTALL_SCRIPT' Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'${'          Literal.String.Interpol
'WRKDIR'      Name.Variable
'}'          Literal.String.Interpol
'/pydoc2.5'   Text
' '          Text.Whitespace
'${'          Literal.String.Interpol
'WRKDIR'      Name.Variable
'}'          Literal.String.Interpol
'/idle2.5'    Text
```

```
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
'${'         Literal.String.Interpol
'WRKDIR'     Name.Variable
'}'          Literal.String.Interpol
'/smtpd2.5.py' Text
' '          Text.Whitespace
'${'         Literal.String.Interpol
'PREFIX'     Name.Variable
'}'          Literal.String.Interpol
'/bin'       Text
'\n\t'       Text.Whitespace
'@'          Text
'${'         Literal.String.Interpol
'MKDIR'      Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'${'
        Literal.String.Interpol
'MANPREFIX'   Name.Variable
'}'          Literal.String.Interpol
'/man/man1'   Text
'\n\t'       Text.Whitespace
'${'         Literal.String.Interpol
'INSTALL_MAN' Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'${'         Literal.String.Interpol
'PYTHON_WRKSRC' Name.Variable
'}'          Literal.String.Interpol
'/Misc/python.man' Text
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
'${'         Literal.String.Interpol
'MANPREFIX'   Name.Variable
'}'          Literal.String.Interpol
'/man/man1/'  Text
'${'         Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'          Literal.String.Interpol
'.1'         Text
'\n\n'       Text.Whitespace

'.if ${PYTHON_VERSION} == ${PYTHON_DEFAULT_VERSION}\n' Comment.Preproc
```

```
'\t'        Text.Whitespace
'for'       Keyword
' '         Text.Whitespace
'f'         Text
' '         Text.Whitespace
'in'
        Keyword
' '         Text.Whitespace
'${'        Literal.String.Interpol
'BIN_SCRIPTS' Name.Variable
'}'         Literal.String.Interpol
';'         Punctuation
' '         Text.Whitespace
'do'        Keyword
' '         Text.Whitespace
'\\\n'      Literal.String.Escape

'\t\t'      Text.Whitespace
'TARGET'    Name.Variable
'='         Operator
'`'         Literal.String.Backtick
'${'        Literal.String.Interpol
'ECHO_CMD'  Name.Variable
'}'         Literal.String.Interpol
' '         Text.Whitespace
'$$'        Name.Variable
'f'         Text
' '         Text.Whitespace
'|'         Punctuation
' '         Text.Whitespace
'${'        Literal.String.Interpol
'SED'       Name.Variable
'}'         Literal.String.Interpol
' '         Text.Whitespace
'-E'        Text
' '         Text.Whitespace
'${'        Literal.String.Interpol
'BINLINKS_SUB' Name.Variable
'}'         Literal.String.Interpol
'`'         Literal.String.Backtick
';'
        Punctuation
' '         Text.Whitespace
'\\\n'      Literal.String.Escape

'\t\t'      Text.Whitespace
'cd'        Name.Builtin
```

```
' '          Text.Whitespace
'${'         Literal.String.Interpol
'PREFIX'     Name.Variable
'}'          Literal.String.Interpol
'/bin'       Text
' '          Text.Whitespace
'&&'         Operator
' '          Text.Whitespace
'${'         Literal.String.Interpol
'LN'         Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'-f'         Text
' '          Text.Whitespace
'$$'         Name.Variable
'TARGET'     Text
' '          Text.Whitespace
'$$'         Name.Variable
'f'          Text
';'          Punctuation
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t'         Text.Whitespace
'done'       Keyword
'\n'         Text.Whitespace

'.endif\n'   Comment.Preproc

'\n'         Text.Whitespace

'.if !defined(NOPORTDOCS)\n' Comment.Preproc

'\t'
        Text.Whitespace
'@'          Text
'${'         Literal.String.Interpol
'MKDIR'      Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'${'         Literal.String.Interpol
'TOOLSDIR'   Name.Variable
'}'          Literal.String.Interpol
'\n\t'       Text.Whitespace
'@cd'        Text
' '          Text.Whitespace
'${'         Literal.String.Interpol
'PYTHON_WRKSRC' Name.Variable
```

```
'}'          Literal.String.Interpol
';'          Punctuation
' '          Text.Whitespace
'${'         Literal.String.Interpol
'TAR'        Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'-cf'        Text
' '          Text.Whitespace
'-'          Text
' '          Text.Whitespace
'Tools'      Text
' '          Text.Whitespace
'|'          Punctuation
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
'('          Operator
'cd'         Name.Builtin
' '          Text.Whitespace
'${'
        Literal.String.Interpol
'TOOLSDIR'   Name.Variable
'}'          Literal.String.Interpol
';'          Punctuation
' '          Text.Whitespace
'${'         Literal.String.Interpol
'TAR'        Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'-xf'        Text
' '          Text.Whitespace
'-'          Text
')'          Operator
'\n\t'       Text.Whitespace
'@'          Text
'${'         Literal.String.Interpol
'MKDIR'      Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'${'         Literal.String.Interpol
'DEMODIR'    Name.Variable
'}'          Literal.String.Interpol
'\n\t'       Text.Whitespace
'@cd'        Text
' '          Text.Whitespace
'${'         Literal.String.Interpol
```

```
'PYTHON_WRKSRC' Name.Variable
'}'          Literal.String.Interpol
'/Demo'      Text
';'          Punctuation
' '          Text.Whitespace
'${'         Literal.String.Interpol
'TAR'        Name.Variable
'}'
          Literal.String.Interpol
' '          Text.Whitespace
'-cf'        Text
' '          Text.Whitespace
'-'          Text
' '          Text.Whitespace
'*'          Text
' '          Text.Whitespace
'|'          Punctuation
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t\t'       Text.Whitespace
'('          Operator
'cd'         Name.Builtin
' '          Text.Whitespace
'${'         Literal.String.Interpol
'DEMODIR'    Name.Variable
'}'          Literal.String.Interpol
';'          Punctuation
' '          Text.Whitespace
'${'         Literal.String.Interpol
'TAR'        Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'-xf'        Text
' '          Text.Whitespace
'-'          Text
')'          Operator
'\n'         Text.Whitespace

'.endif\n'   Comment.Preproc

'\n\t'       Text.Whitespace
'@'          Text
'${'         Literal.String.Interpol
'CAT'        Name.Variable
'}'
    Literal.String.Interpol
' '          Text.Whitespace
```

'${' Literal.String.Interpol
'PKGMESSAGE' Name.Variable
'}' Literal.String.Interpol
'\n\n' Text.Whitespace

'.include <bsd.port.post.mk>\n' Comment.Preproc
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1.6997 cas-server-support-jdbc 6.6.10

1.6997.1 Available under license :

Apache-2.0

1.6998 @material/theme 14.0.0-canary.261f2db59.0

1.6998.1 Available under license :

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1.6999 jackson-dataformat-properties 2.14.0-rc1

1.6999.1 Available under license :

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
been in development since 2007.
It is currently developed by a community of developers, as well as supported
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Credits

A list of contributors may be found from CREDITS file, which is included
in some artifacts (usually source distributions); but is always available
from the source code management (SCM) system project uses.

1.7000 jool 0.9.14

1.7000.1 Available under license :

No license file was found, but licenses were detected in source scan.

```
Manifest-Version: 1.0
Bnd-LastModified: 1528808132353
Build-Jdk: 10.0.1
Built-By: lukas
Bundle-Description: jOO is part of the jOOQ series (along with jOOQ,
 jOOX, jOOR, jOOU) providing some useful extensions to Java 8 lambdas
.
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0
Bundle-ManifestVersion: 2
Bundle-Name: jOOL
Bundle-SymbolicName: org.jooq.jool
Bundle-Version: 0.9.14
Created-By: Apache Maven Bundle Plugin
Export-Package: org.jooq.lambda;uses:="org.jooq.lambda.exception,org.j
ooq.lambda.fi.lang,org.jooq.lambda.fi.util,org.jooq.lambda.fi.util.co
ncurrent,org.jooq.lambda.fi.util.function,org.jooq.lambda.function,or
g.jooq.lambda.tuple";version="0.9.14",org.jooq.lambda.exception;versi
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1.7001 cas-server-support-rest-x509 6.6.10

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1.7002 inspektr-common 1.8.20.GA

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1.7003 cas-server-core-api-events 6.6.10

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1.7006 springwebmvcpacj 6.0.3

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Found in path(s):
* /opt/cola/permits/2311287688_1736379282.4938672/0/cas-server-support-thymeleaf-6-6-10-jar/static/js/u2f/u2f-api.js
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* /opt/cola/permits/2311287688_1736379282.4938672/0/cas-server-support-thymeleaf-6-6-10-jar/messages_fr.properties

1.7035 cas-server-core-web 6.6.10

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1.7036 cas-server-support-throttle-core 6.6.10

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under Apache License, Version 2.0
Spring Web under Apache License, Version 2.0

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1.7038 @material/circular-progress 14.0.0

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1.7046 @material/dom 14.0.0-canary.261f2db59.0

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1.7054 ldaptive-beans 2.1.1

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Created-By: Apache Maven Bundle Plugin 5.1.4
Build-Jdk-Spec: 11
Bnd-LastModified: 1650165703400
Bundle-Description: Mapping, persistence, and code generation API for re
ading and writing POJOs to an LDAP directory

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ww.gnu.org/licenses/lgpl-3.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: LDAPTIVE BEANS
Bundle-SymbolicName: org.ldaptive.beans
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Tool: Bnd-5.1.1.202006162103

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1.7055 cas-server-support-captcha-core 6.6.10

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   "--cas.service-registry.core.init-from-json=true",
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1.7059 cas-server-support-x509-core 6.6.10

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"name": "Sample",
"id": 1
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1.7060 cas-server-support-pm 6.6.10

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1.7061 @material/rtl 14.0.0-canary.261f2db59.0

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1.7062 @material/dialog 14.0.0

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1.7063 opensaml-xacml-api 4.2.0

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* /opt/cola/permits/2311287515_1736376836.102608/0/opensaml-xacml-api-4-2-0-sources-jar/org/opensaml/xacml/ctx/StatusType.java
* /opt/cola/permits/2311287515_1736376836.102608/0/opensaml-xacml-api-4-2-0-sources-jar/org/opensaml/xacml/policy/AttributeAssignmentType.java
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* /opt/cola/permits/2311287515_1736376836.102608/0/opensaml-xacml-api-4-2-0-sources-jar/org/opensaml/xacml/ctx/package-info.java
* /opt/cola/permits/2311287515_1736376836.102608/0/opensaml-xacml-api-4-2-0-sources-jar/org/opensaml/xacml/ctx/StatusCodeType.java
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* /opt/cola/permits/2311287515_1736376836.102608/0/opensaml-xacml-api-4-2-0-sources-jar/org/opensaml/xacml/ctx/DecisionType.java
* /opt/cola/permits/2311287515_1736376836.102608/0/opensaml-xacml-api-4-2-0-sources-jar/org/opensaml/xacml/policy/ResourcesType.java
* /opt/cola/permits/2311287515_1736376836.102608/0/opensaml-xacml-api-4-2-0-sources-jar/org/opensaml/xacml/policy/SubjectMatchType.java

* /opt/cola/permits/2311287515_1736376836.102608/0/opensaml-xacml-api-4-2-0-sources-jar/org/opensaml/xacml/policy/AttributeDesignatorType.java
* /opt/cola/permits/2311287515_1736376836.102608/0/opensaml-xacml-api-4-2-0-sources-jar/org/opensaml/xacml/ctx/MissingAttributeDetailType.java
* /opt/cola/permits/2311287515_1736376836.102608/0/opensaml-xacml-api-4-2-0-sources-jar/org/opensaml/xacml/policy/TargetType.java
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* /opt/cola/permits/2311287515_1736376836.102608/0/opensaml-xacml-api-4-2-0-sources-jar/org/opensaml/xacml/policy/EnvironmentsType.java
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* /opt/cola/permits/2311287515_1736376836.102608/0/opensaml-xacml-api-4-2-0-sources-jar/org/opensaml/xacml/policy/ActionType.java
* /opt/cola/permits/2311287515_1736376836.102608/0/opensaml-xacml-api-4-2-0-sources-jar/org/opensaml/xacml/ctx/StatusMessageType.java
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* /opt/cola/permits/2311287515_1736376836.102608/0/opensaml-xacml-api-4-2-0-sources-jar/org/opensaml/xacml/policy/RuleCombinerParametersType.java
* /opt/cola/permits/2311287515_1736376836.102608/0/opensaml-xacml-api-4-2-0-sources-jar/org/opensaml/xacml/policy/PolicyCombinerParametersType.java
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/opt/cola/permits/2311287515_1736376836.102608/0/opensaml-xacml-api-4-2-0-sources-jar/org/opensaml/xacml/policy/SubjectAttributeDesignatorType.java
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* /opt/cola/permits/2311287515_1736376836.102608/0/opensaml-xacml-api-4-2-0-sources-jar/org/opensaml/xacml/policy/PolicyType.java

1.7064 hibernate-hikaricp 5.6.10.Final

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* /opt/cola/permits/2311288188_1736379401.3185363/0/hibernate-hikaricp-5-6-10-final-sources-1-jar/org/hibernate/hikaricp/internal/StrategyRegistrationProviderImpl.java
* /opt/cola/permits/2311288188_1736379401.3185363/0/hibernate-hikaricp-5-6-10-final-sources-1-jar/org/hibernate/hikaricp/internal/package-info.java
* /opt/cola/permits/2311288188_1736379401.3185363/0/hibernate-hikaricp-5-6-10-final-sources-1-jar/org/hibernate/hikaricp/internal/HikariConfigurationUtil.java
* /opt/cola/permits/2311288188_1736379401.3185363/0/hibernate-hikaricp-5-6-10-final-sources-1-jar/org/hibernate/hikaricp/internal/HikariCPConnectionProvider.java

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#
org.hibernate.hikaricp.internal.StrategyRegistrationProviderImpl
```

Found in path(s):
* /opt/cola/permits/2311288188_1736379401.3185363/0/hibernate-hikaricp-5-6-10-final-sources-1-jar/META-INF/services/org.hibernate.boot.registry.selector.StrategyRegistrationProvider

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* /opt/cola/permits/2311288188_1736379401.3185363/0/hibernate-hikaricp-5-6-10-final-sources-1-jar/OSGI-INF/blueprint/blueprint.xml

1.7065 @material/ripple 14.0.0

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1.7067 jackson-datatype-guava 2.14.0-rc1

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1.7068 cas-server-webapp-init-tomcat 6.6.10

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securityConstraint.setUserConstraint("CONFIDENTIAL");

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* /opt/cola/permits/2311287035_1736377462.6527076/0/cas-server-webapp-init-tomcat-6-6-10-sources-1-jar/org/apereo/cas/tomcat/CasTomcatServletWebServerFactory.java

1.7069 cas-server-support-pac4j-core-clients 6.6.10

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Spring TestContext Framework
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1.7071 cas-server-support-actions 6.6.10

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1.7072 pac4j-oidc 5.4.6

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1.7073 @material/elevation 14.0.0

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1.7074 cas-server-support-rest-tokens 6.6.10

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```
{
"@class": "org.apereo.cas.support.oauth.services.OAuthRegisteredService",
"clientId": "client",
"clientSecret": "secret",
"serviceId": "https://apereo.github.io.*",
"name": "Sample",
"id": 1
}
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1.7075 pac4j-config 5.4.6

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1.7076 cas-server-support-validation-core 6.6.10

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1.7077 cas-server-core-cookie-api 6.6.10

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1.7078 cas-server-core-api-validation 6.6.10

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1.7079 opensaml-xacml-saml-impl 4.2.0

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```

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* /opt/cola/permits/2311287447_1736379250.1309695/0/opensaml-xacml-saml-impl-4-2-0-sources-jar/org/opensaml/xacml/profile/saml/impl/XACMLAuthzDecisionStatementTypeImpl.java
* /opt/cola/permits/2311287447_1736379250.1309695/0/opensaml-xacml-saml-impl-4-2-0-sources-jar/org/opensaml/xacml/profile/saml/impl/ReferencedPoliciesTypeMarshaller.java
* /opt/cola/permits/2311287447_1736379250.1309695/0/opensaml-xacml-saml-impl-4-2-0-sources-jar/org/opensaml/xacml/profile/saml/impl/ReferencedPoliciesTypeImpl.java
* /opt/cola/permits/2311287447_1736379250.1309695/0/opensaml-xacml-saml-impl-4-2-0-sources-jar/org/opensaml/xacml/profile/saml/impl/XACMLAuthzDecisionStatementTypeUnmarshaller.java

* /opt/cola/permits/2311287447_1736379250.1309695/0/opensaml-xacml-saml-impl-4-2-0-sources-jar/org/opensaml/xacml/profile/saml/impl/XACMLAuthzDecisionQueryTypeMarshaller.java
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* /opt/cola/permits/2311287447_1736379250.1309695/0/opensaml-xacml-saml-impl-4-2-0-sources-jar/org/opensaml/xacml/profile/saml/impl/package-info.java
* /opt/cola/permits/2311287447_1736379250.1309695/0/opensaml-xacml-saml-impl-4-2-0-sources-jar/org/opensaml/xacml/profile/saml/impl/XACMLAuthzDecisionQueryTypeUnmarshaller.java
* /opt/cola/permits/2311287447_1736379250.1309695/0/opensaml-xacml-saml-impl-4-2-0-sources-jar/org/opensaml/xacml/profile/saml/impl/ReferencedPoliciesTypeImplBuilder.java
* /opt/cola/permits/2311287447_1736379250.1309695/0/opensaml-xacml-saml-impl-4-2-0-sources-jar/org/opensaml/xacml/profile/saml/impl/XACMLAuthzDecisionQueryTypeImpl.java

1.7080 @material/segmented-button 14.0.0

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1.7081 cas-server-core-tickets-api 6.6.10

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1.7082 @material/radio 14.0.0

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1.7083 jackson-datatype-jdk8 2.14.0-rc1

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   "--cas.service-registry.core.init-from-json=true",
   "--cas.service-registry.json.location=file:${PWD}/ci/tests/puppeteer/scenarios/${SCENARIO}/services"
 ]
}
```

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1.7085 jackson-dataformat-yaml 2.14.0-rc1

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers, as well as supported
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1.7086 @material/tooltip 14.0.0

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jar/org/apereo/services/persondir/IPersonAttributes.java
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1.7096 @material/data-table 14.0.0

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* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/assurance/Procedure.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/ciba/CIBATokenDelivery.java

* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/attachment/package-info.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/assurance/claims/MSISDN.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/CommonOriginatorAttributes.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/tokenexchange/package-info.java
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* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/dpop/verifiers/DPoPCommonVerifier.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/Voucher.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/SignatureType.java
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* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/util/singleuse/AlreadyUsedException.java
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* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/token/NAAccessToken.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/assurance/request/VerificationSpec.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/ciba/CIBAErrorDelivery.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/dpop/verifiers/DPoPProofClaimsSetVerifier.java
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* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
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jar/com/nimbusds/openid/connect/sdk/assurance/evidences/attachment/DigestMismatchException.java
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* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
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* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/util/URIUtils.java
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* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/claims/AuthorizedParty.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/UtilityBillEvidence.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/AbstractOptionallyAuthenticatedRequest.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/ciba/CIBAGrant.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/token/RefreshToken.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-

jar/com/nimbusds/oauth2/sdk/as/package-info.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/id/Audience.java
*
/opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/ResourceOwnerPasswordCredentialsGrant.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/SerializeException.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/claims/AccessTokenHash.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/id/HashBasedPairwiseSubjectCodec.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/ElectronicRecordType.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/auth/PlainClientSecret.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/ProtectedResourceRequest.java
*
/opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/IDDocumentEvidence.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/claims/LogoutTokenClaimsSet.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/assurance/claims/ISO3166_3CountryCode.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/Response.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/assertions/saml2/SAML2AssertionDetails.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/AbstractRequest.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/policy/language/StringListConfiguration.java
*
/opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/http/HTTPRequest.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/op/package-info.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/http/HTTPResponse.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/util/package-info.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/package-info.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/rp/OIDCClientInformationResponse.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/OIDCResponseTypeValidator.java

*
/opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/entities/FederationEntityMetadata.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/policy/operations/SubsetOfOperation.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/SuccessResponse.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/ResponseMode.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/policy/factories/PolicyFormulationException.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/DocumentType.java
*
/opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/auth/JWTAuthenticationClaimsSet.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/ciba/BackChannelTokenDeliveryMode.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/claims/ClaimType.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/util/MapUtils.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/AuthorizationResponse.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/Role.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/policy/language/NumberConfiguration.java
*
/opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/assurance/claims/VerifiedClaimsSet.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/claims/SessionID.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/UserInfoSuccessResponse.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/policy/language/PolicyOperation.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/auth/SelfSignedTLSClientAuthentication.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/assertions/jwt/JWTAssertionFactory.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/device/DeviceAuthorizationSuccessResponse.java
*
/opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/PushedAuthorizationResponse.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/validators/AuthorizationCodeValidator.java

* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/policy/operations/Utils.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/auth/verifier/ClientX509CertificateBindingVerifier.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/policy/operations/OneOfOperation.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/rp/OIDCClientMetadata.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/PushedAuthorizationErrorResponse.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/config/FederationEntityConfigurationSuccessResponse.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/pkce/CodeChallenge.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/auth/ClientAuthentication.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/auth/verifier/package-info.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/validators/package-info.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/id/SoftwareVersion.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/Prompt.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/auth/verifier/PKIClientX509CertificateBindingVerifier.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/util/date/DateWithTimeZoneOffset.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/policy/operations/AbstractSetBasedOperation.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/secevent/sdk/claims/package-info.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/config/FederationEntityConfigurationResponse.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/ParseException.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/assertions/AssertionDetails.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/token/BearerTokenError.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/config/package-info.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/token/package-info.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-

jar/com/nimbusds/oauth2/sdk/util/ResourceUtils.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/openid/connect/sdk/federation/trust/marks/TrustMarkClaimsSet.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/openid/connect/sdk/validators/InvalidHashException.java
*
/opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/oauth2/sdk/token/DPoPTokenError.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/oauth2/sdk/pkce/CodeVerifier.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/openid/connect/sdk/assurance/claims/ISO3166_1Alpha2CountryCode.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/openid/connect/sdk/assurance/IdentityVerification.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/oauth2/sdk/OAuth2Error.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/oauth2/sdk/assertions/jwt/JWTAssertionDetailsVerifier.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/openid/connect/sdk/rp/OIDCClientUpdateRequest.java
*
/opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/openid/connect/sdk/claims/ClaimRequirement.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/oauth2/sdk/token/Token.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/oauth2/sdk/client/ClientRegistrationErrorResponse.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/openid/connect/sdk/assurance/evidences/IdentityEvidenceType.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/oauth2/sdk/ciba/CIBAResponse.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/openid/connect/sdk/federation/policy/language/StringListOperation.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/openid/connect/sdk/claims/UserInfo.java
*
/opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/oauth2/sdk/device/DeviceAuthorizationRequest.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/openid/connect/sdk/claims/CommonOIDCTokenClaimsSet.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/oauth2/sdk/util/tls/TLSVersion.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/openid/connect/sdk/assurance/claims/ISO3166_1Alpha3CountryCode.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/oauth2/sdk/TokenIntrospectionSuccessResponse.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/openid/connect/sdk/federation/policy/operations/EssentialOperation.java

*
 /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/util/StringUtils.java
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Found in path(s):
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/META-INF/maven/com.nimbusds/oauth2-oidc-sdk/pom.xml
No license file was found, but licenses were detected in source scan.

```
/*
* oauth2-oidc-sdk
*
* Copyright 2012-2016, Connect2id Ltd and contributors.
*
* Licensed under the Apache License, Version 2.0 (the "License"); you may not use
* this file except in compliance with the License. You may obtain a copy of the
* License at
*
*    http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software distributed
* under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR
* CONDITIONS OF ANY KIND, either express or implied. See the License for the
* specific language governing permissions and limitations under the License.
*/
/**
* OpenID Connect client information. Encapsulates the registration and
* metadata details of an OpenID Connect client:
*
* <ul>
*     <li>The client identifier.
*     <li>The client OpenID Connect metadata.
*     <li>The optional client secret for a confidential client.
*
  <li>The optional registration URI and access token if dynamic client
*         registration is permitted.
* </ul>
*
* <p>Related specifications:
*
* <ul>
*     <li>OpenID Connect Dynamic Client Registration 1.0.
*     <li>OAuth 2.0 Dynamic Client Registration Protocol (RFC 7591), section
*         3.2.1.
*     <li>OAuth 2.0 Dynamic Client Registration Management Protocol (RFC
```

```
*        7592), section 3.
* </ul>
*/
```

Found in path(s):
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/rp/OIDCClientInformation.java
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```
/*
* oauth2-oidc-sdk
*
* Copyright 2012-2016, Connect2id Ltd and contributors.
*
* Licensed under the Apache License, Version 2.0 (the "License"); you may not use
* this file except in compliance with the License. You may obtain a copy of the
* License at
*
*    http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software distributed
* under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR
* CONDITIONS OF ANY KIND, either express or implied. See the License for the
* specific language governing permissions and limitations under the License.
*/
/**
* Client information. Encapsulates the registration and metadata details of
* an OAuth 2.0 client:
*
* <ul>
*     <li>The client identifier.
*     <li>The client metadata.
*     <li>The optional client secret for a confidential client.
*     <li>The optional registration URI
 and access token if dynamic client
*        registration is permitted.
* </ul>
*
* <p>Related specifications:
*
* <ul>
*     <li>OAuth 2.0 Dynamic Client Registration Protocol (RFC 7591), section
*        3.2.1.
*     <li>OAuth 2.0 Dynamic Client Registration Management Protocol (RFC
*        7592), section 3.
* </ul>
*/
// The client must by unambiguously public, else it is marked as confidential
```

Found in path(s):
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/client/ClientInformation.java
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```
/*
* oauth2-oidc-sdk
*
* Copyright 2012-2016, Connect2id Ltd and contributors.
*
* Licensed under the Apache License, Version 2.0 (the "License"); you may not use
* this file except in compliance with the License. You may obtain a copy of the
* License at
*
*    http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software distributed
* under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR
* CONDITIONS OF ANY KIND, either express or implied. See the License for the
* specific language governing permissions and limitations under the License.
*/
```

Found in path(s):
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/validators/BadJWTExceptions.java
No license file was found, but licenses were detected in source scan.

```
/*
* oauth2-oidc-sdk
*
* Copyright 2012-2016, Connect2id Ltd and contributors.
*
* Licensed under the Apache License, Version 2.0 (the "License"); you may not use
* this file except in compliance with the License. You may obtain a copy of the
* License at
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*    http://www.apache.org/licenses/LICENSE-2.0
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* specific language governing permissions and limitations under the License.
*/
/**
  * Creates a new authenticated pushed authorisation request for a
  * confidential client.
  *
```

```
  * @param uri          The URI of the token endpoint. May be
  *                     {@code null} if the {@link #toHTTPRequest}
  *                     method will not be used.
  * @param clientAuth
   The client authentication. Must not be
  *                     {@code null}.
  * @param authzRequest The authorisation request. Must not be
  *                     {@code null}.
  */
```

Found in path(s):
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/PushedAuthorizationRequest.java
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```
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*/
/**
  * Authorisation code. Client authentication required only for
  * confidential clients.
  */
/**
  * Refresh token. Client authentication required only for confidential
  * clients.
  */
/**
  * Password. Client authentication required only for confidential
  * clients.
  */
```

Found in
 path(s):
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/GrantType.java

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*/
```

Found in path(s):
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/trust/constraints/SubtreeEntityIDConstraint.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/api/EntityListingSpec.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/api/FetchEntityStatementErrorResponse.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/policy/factories/package-info.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/api/EntityListingErrorResponse.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/entities/package-info.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/trust/ResolveException.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/entities/EntityRole.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/trust/constraints/package-info.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/ciba/package-info.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/policy/language/PolicyOperationApplication.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/trust/TrustChain.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/op/EndpointName.java

* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/api/FetchEntityStatementResponse.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/api/TrustNegotiationErrorResponse.java
*
/opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/policy/MetadataPolicy.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/registration/ClientRegistrationType.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/registration/package-info.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/api/FetchEntityStatementSuccessResponse.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/policy/operations/package-info.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/trust/DefaultEntityStatementRetriever.java
*
/opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/api/EntityListingResponse.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/ciba/AuthRequestID.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/entities/EntityStatementClaimsVerifier.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/policy/operations/ConfigurationType.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/assurance/claims/VerifiedClaimsSetRequest.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/trust/TrustChainRetriever.java
*
/opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/trust/constraints/ExactMatchEntityIDConstraint.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/trust/TrustChainSet.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/api/TrustNegotiationSuccessResponse.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/rp/statement/package-info.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/trust/constraints/TrustChainConstraints.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/trust/TrustChainResolver.java
*
/opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/dpop/DPoPProofFactory.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/api/TrustNegotiationRequest.java

* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/policy/operations/PolicyOperationCombinationValidator.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/api/TrustNegotiationResponse.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/WellKnownPathComposeStrategy.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/api/EntityListingSuccessResponse.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/entities/FederationMetadataType.java
*
/opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/trust/EntityStatementRetriever.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/assurance/request/VerifiedClaimsSetRequest.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/api/OperationType.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/policy/factories/DefaultRPMetadataPolicyFactory.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/trust/DefaultTrustChainRetriever.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/dpop/DPoPUtils.java
*
/opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/entities/EntityStatement.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/trust/InvalidEntityMetadataException.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/api/EntityListingRequest.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/policy/operations/DefaultPolicyOperationCombinationValidator.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/registration/ExplicitClientRegistrationRequest.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/rp/statement/InvalidSoftwareStatementException.java
*
/opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/dpop/DefaultDPoPProofFactory.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/rp/statement/SoftwareStatementProcessor.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/policy/operations/PolicyOperationFactory.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/claims/ClaimsSetRequest.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/OIDCClaimsRequest.java

* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/trust/constraints/EntityIDConstraint.java
*
 /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/trust/marks/package-info.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/trust/package-info.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/trust/EntityMetadataValidator.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/api/FederationAPIRequest.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/dpop/package-info.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/policy/MetadataPolicyEntry.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/api/FetchEntityStatementRequest.java
*
 /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/policy/factories/RPMetadataPolicyFactory.java
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/openid/connect/sdk/federation/api/FederationAPIError.java
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```
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* specific language governing permissions and limitations under the License.
*/
/**
* Token revocation request. Used to revoke an issued access or refresh token.
*
* <p>Example token revocation request for a confidential client:
*
* <pre>
* POST /revoke HTTP/1.1
* Host: server.example.com
```

```
* Content-Type: application/x-www-form-urlencoded
* Authorization: Basic
 czZCaGRSa3F0MzpnWDFmQmF0M2JW
*
* token=45ghiukldjahdnhzdauz&amp;token_type_hint=refresh_token
* </pre>
*
* <p>Example token revocation request for a public client:
*
* <pre>
* POST /revoke HTTP/1.1
* Host: server.example.com
* Content-Type: application/x-www-form-urlencoded
*
* token=45ghiukldjahdnhzdauz&amp;token_type_hint=refresh_token&amp;client_id=123456
* </pre>
*
* <p>Related specifications:
*
* <ul>
*     <li>OAuth 2.0 Token Revocation (RFC 7009), section 2.1.
* </ul>
*/
/**
  * Creates a new token revocation request for a confidential client.
  *
  * @param uri        The URI of the token revocation endpoint. May be
  *                   {@code null} if the {@link #toHTTPRequest} method
  *                   will not be used.
  * @param clientAuth The client authentication. Must not be
  *                   {@code null}.
  * @param token      The access or refresh token to revoke. Must not be
  *                   {@code null}.
  */
// confidential client

Found
 in path(s):
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-
jar/com/nimbusds/oauth2/sdk/TokenRevocationRequest.java
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*/
/**
  * Creates a new request object POST request where the parameters are
  * submitted as plain JSON object, and the client authenticates by
  * means of mutual TLS. TLS also ensures the integrity and
  * confidentiality of the request parameters. This method is not
  * standard.
  *
  *
 @param uri              The URI of the request object endpoint. May
  *                      be {@code null} if the
  *                      {@link #toHTTPRequest} method will not be
  *                      used.
  * @param tlsClientAuth     The mutual TLS client authentication. Must
  *                      not be {@code null}.
  * @param requestJSONObject The request parameters as plain JSON
  *                      object. Must not be {@code null}.
  */
```

Found in path(s):
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/RequestObjectPOSTRequest.java
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```

```
*/
/**
  * Confidential. Clients capable of maintaining the confidentiality of
  * their credentials (e.g., client implemented on a secure server with
  * restricted access to the client credentials), or capable of secure
  * client authentication using other means.
  */
/**
  * Public. Clients
 incapable of maintaining the confidentiality of their
  * credentials (e.g., clients executing on the device used by the
  * resource owner, such as an installed native application or a web
  * browser-based application), and incapable of secure client
  * authentication via any other means.
  */
```

Found in path(s):
* /opt/cola/permits/2311287453_1736379333.689951/0/oauth2-oidc-sdk-9-42-sources-jar/com/nimbusds/oauth2/sdk/client/ClientType.java

1.7104 cas-server-support-pac4j-api 6.6.10

1.7104.1 Available under license :

Apache-2.0

1.7105 cas-server-support-jpa-ticket-registry 6.6.10

1.7105.1 Available under license :

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Spring TestContext Framework
under Apache License, Version 2.0
Spring Web under Apache License, Version 2.0

```
{
 "dependencies": "oauth-webflow,oauth-uma",
 "properties": [
   "--cas.server.name=https://localhost:8443",
   "--cas.server.prefix=${cas.server.name}/cas",

   "--cas.authn.oauth.uma.core.issuer=https://localhost:8443/cas",

   "--cas.service-registry.core.init-from-json=true",
   "--cas.service-registry.json.location=file:${PWD}/ci/tests/puppeteer/scenarios/${SCENARIO}/services"
 ]
}
```

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{
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1.7112 jackson-jaxrs-base 2.14.0-rc1

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1.7118 @material/ripple 14.0.0-canary.261f2db59.0

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}
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1.7131 cas-server-support-saml-idp-ticket 6.6.10

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1.7137 cas-server-support-saml-idp-web 6.6.10

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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/freebsd/FreeBsdSoundCard.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/windows/WindowsSoundCard.java
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/opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/common/AbstractSoundCard.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/windows/WindowsOSFileStore.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/linux/LinuxGraphicsCard.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/linux/Dmidecode.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/unix/aix/Lssrad.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/aix/AixUsbDevice.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/mac/disk/package-info.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/unix/aix/package-info.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
jar/oshi/driver/unix/aix/perfstat/PerfstatProtocol.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/mac/Who.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/windows/perfmon/MemoryInformation.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/unix/aix/perfstat/PerfstatCpu.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/unix/aix/Lscfg.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/windows/wmi/Win32LogicalDiskToPartition.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/aix/AixHWDiskStore.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/common/AbstractInternetProtocolStats.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/aix/AixVirtualMemory.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/unix/aix/AixNetworkParams.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/unix/aix/perfstat/PerfstatNetInterface.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/windows/registry/ProcessPerformanceData.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/mac/MacHWDiskStore.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/unix/aix/perfstat/PerfstatDisk.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/unix/aix/Who.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/unix/Who.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/linux/LinuxNetworkIF.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/windows/perfmon/PhysicalDisk.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/windows/wmi/Win32ComputerSystemProduct.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/windows/perfmon/SystemInformation.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/windows/wmi/Win32Process.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/windows/wmi/MSAcpiThermalZoneTemperature.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/unix/freebsd/FreeBsdInternetProtocolStats.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/unix/aix/perfstat/PerfstatProcess.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/windows/registry/HkeyUserData.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/unix/aix/perfstat/PerfstatConfig.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/unix/aix/AixOSProcess.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/linux/LinuxOSProcess.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/windows/registry/NetSessionData.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/windows/wmi/Win32Processor.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/unix/solaris/kstat/SystemPages.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/windows/wmi/OhmHardware.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/aix/AixCentralProcessor.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/unix/aix/AixInternetProtocolStats.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/windows/wmi/Win32VideoController.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/windows/registry/SessionWtsData.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/unix/freebsd/Who.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/unix/aix/Uptime.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/windows/wmi/Win32Bios.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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 /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
jar/oshi/software/os/windows/WindowsInternetProtocolStats.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
jar/oshi/software/os/unix/aix/AixFileSystem.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
jar/oshi/driver/windows/wmi/Win32DiskDriveToDiskPartition.java
*
 /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
jar/oshi/software/os/mac/MacInternetProtocolStats.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/jna/platform/unix/FreeBsdLibc.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/mac/WindowInfo.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/util/platform/unix/openbsd/OpenBsdSysctlUtil.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/util/platform/unix/openbsd/FstatUtil.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/jna/platform/unix/SolarisLibc.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/windows/WindowsLogicalVolumeGroup.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/openbsd/OpenBsdCentralProcessor.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/unix/openbsd/OpenBsdOSProcess.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/unix/solaris/PsInfo.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/unix/aix/PsInfo.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/windows/DeviceTree.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/openbsd/OpenBsdGlobalMemory.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/jna/platform/unix/OpenBsdLibc.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/util/platform/mac/CFUtil.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/windows/EnumWindows.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/linux/LinuxLogicalVolumeGroup.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/OSDesktopWindow.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-

jar/oshi/jna/platform/mac/CoreGraphics.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/windows/WindowsVirtualMemory.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/jna/platform/windows/WinNT.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/util/Memoizer.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/mac/MacVirtualMemory.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/util/Constants.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/jna/platform/linux/LinuxLibc.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/util/platform/windows/PerfCounterQuery.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/linux/LinuxVirtualMemory.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/util/platform/windows/PerfCounterWildcardQuery.java

* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/util/platform/windows/WmiQueryHandler.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/util/platform/windows/PerfCounterQueryHandler.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/util/GlobalConfig.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/Sensors.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/mac/MacBaseboard.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/jna/platform/windows/PowrProf.java
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/opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/freebsd/FreeBsdGlobalMemory.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/mac/MacFileSystem.java

* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/common/AbstractDisplay.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/windows/WindowsCentralProcessor.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/HWPartition.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/windows/WindowsGlobalMemory.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/mac/MacCentralProcessor.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/HWDiskStore.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/freebsd/FreeBsdPowerSource.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/mac/MacComputerSystem.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/common/AbstractSensors.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/Baseboard.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/util/Util.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/mac/MacSensors.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/windows/WindowsBaseboard.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/GlobalMemory.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/CentralProcessor.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/mac/MacGlobalMemory.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/unix/solaris/SolarisOperatingSystem.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/unix/solaris/SolarisFileSystem.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/ComputerSystem.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/freebsd/FreeBsdComputerSystem.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/linux/LinuxOperatingSystem.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/OSProcess.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/linux/LinuxSensors.java

* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/windows/WindowsPowerSource.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/Display.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/linux/LinuxGlobalMemory.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/FileSystem.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/NetworkIF.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/windows/WindowsFileSystem.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/solaris/SolarisPowerSource.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/common/AbstractPowerSource.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/mac/MacUsbDevice.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/util/platform/unix/solaris/KstatUtil.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/linux/LinuxPowerSource.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/OSFileStore.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/solaris/SolarisGlobalMemory.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/solaris/SolarisHardwareAbstractionLayer.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/linux/LinuxComputerSystem.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/Firmware.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/util/FormatUtil.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/common/AbstractGlobalMemory.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/mac/MacPowerSource.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/solaris/SolarisSensors.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/PlatformEnum.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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*
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
jar/oshi/hardware/common/AbstractBaseboard.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/util/ParseUtil.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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/opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-

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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
jar/oshi/hardware/platform/unix/solaris/SolarisComputerSystem.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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*
/opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
jar/oshi/hardware/platform/windows/WindowsSensors.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
jar/oshi/hardware/platform/unix/freebsd/FreeBsdSensors.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
jar/oshi/hardware/platform/unix/freebsd/FreeBsdCentralProcessor.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
jar/oshi/hardware/platform/windows/WindowsUsbDevice.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/util/EdidUtil.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
jar/oshi/util/ExecutingCommand.java
*
/opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
jar/oshi/software/common/AbstractFileSystem.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
jar/oshi/hardware/platform/unix/freebsd/FreeBsdUsbDevice.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
jar/oshi/hardware/platform/unix/solaris/SolarisCentralProcessor.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
jar/oshi/hardware/platform/unix/freebsd/FreeBsdHardwareAbstractionLayer.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
jar/oshi/hardware/common/AbstractComputerSystem.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-
jar/oshi/util/platform/windows/WmiUtil.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/linux/proc/Auxv.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/windows/perfmon/PerfmonConstants.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/jna/ByRef.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/windows/perfmon/PerfmonDisabled.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/util/UserGroupInfo.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/windows/perfmon/LoadAverage.java
*
/opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/jna/package-info.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/jna/Struct.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/PhysicalMemory.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/VirtualMemory.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/OSService.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/common/AbstractVirtualMemory.java
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```
*/
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* macOS, previously Mac OS X and later OS X) is a series of proprietary
* graphical operating systems developed and marketed by Apple Inc. since 2001.
* It is the primary operating system for Apple's Mac computers.
*/
```

Found in path(s):
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/mac/MacOperatingSystem.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/openbsd/OpenBsdUsbDevice.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/unix/openbsd/OpenBsdOSFileStore.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/openbsd/OpenBsdHWDiskStore.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/openbsd/OpenBsdGraphicsCard.java

* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/LogicalVolumeGroup.java
*
/opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/jna/platform/windows/NtDll.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/openbsd/OpenBsdVirtualMemory.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/BsdNetworkIF.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/unix/openbsd/OpenBsdInternetProtocolStats.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/package-info.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/util/FileSystemUtil.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/driver/unix/Xwininfo.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/openbsd/OpenBsdComputerSystem.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/hardware/platform/unix/openbsd/package-info.java

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/opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/unix/openbsd/OpenBsdOSThread.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/jna/platform/unix/package-info.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/common/package-info.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/mac/package-info.java
* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/windows/package-info.java
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* /opt/cola/permits/2311287153_1736376851.4072766/0/oshi-core-6-2-2-sources-1-jar/oshi/software/os/windows/WindowsOperatingSystem.java

1.7142 cas-server-support-pac4j-webflow 6.6.10

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1.7143 cas-server-core-webflow-mfa 6.6.10

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1.7144 jackson-jaxrs 2.14.0-rc1

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1.7145 cas-server-core-monitor 6.6.10

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1.7146 cas-server-core-authentication-throttle 6.6.10

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1.7147 spring-data-commons 2.7.2

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* /opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/org/apereo/services/persondir/support/AbstractDefaultAttributePersonAttributeDao.java
* /opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/org/apereo/services/persondir/support/EchoPersonAttributeDaoImpl.java
* /opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/org/apereo/services/persondir/support/jdbc/MultiRowJdbcPersonAttributeDao.java
* /opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/org/apereo/services/persondir/support/ldap/LogicalFilterWrapper.java
*
/opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/org/apereo/services/persondir/support/AdditionalDescriptors.java
* /opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/org/apereo/services/persondir/util/CaseCanonicalizationMode.java
* /opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/org/apereo/services/persondir/support/xml/om/Person.java
* /opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/org/apereo/services/persondir/support/web/RequestAttributeSourceFilter.java
* /opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/org/apereo/services/persondir/support/GroovyPersonAttributeDao.java
* /opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/org/apereo/services/persondir/support/jdbc/SingleRowJdbcPersonAttributeDao.java
*
/opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/org/apereo/services/persondir/support/xml/CachingJaxbLoader.java
* /opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/org/apereo/services/persondir/support/AdditionalDescriptorsPersonAttributeDao.java
* /opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/org/apereo/services/persondir/support/rule/DeclaredRulePersonAttributeDao.java
* /opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/org/apereo/services/persondir/support/StubPersonAttributeDao.java
* /opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-

jar/org/apereo/services/persondir/support/merger/ReplacingAttributeAdder.java
* /opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/org/apereo/services/persondir/support/CaseInsensitiveNamedPersonImpl.java
*
/opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/org/apereo/services/persondir/support/merger/NoncollidingAttributeAdder.java
* /opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/org/apereo/services/persondir/util/PatternHelper.java
* /opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/org/apereo/services/persondir/support/rule/SimpleAttributeRule.java
* /opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/org/apereo/services/persondir/support/jdbc/NamedParameterJdbcPersonAttributeDao.java
* /opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/org/apereo/services/persondir/support/ldap/AttributeMapAttributesMapper.java
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Found in path(s):
* /opt/cola/permits/2311287146_1736376792.4460003/0/person-directory-impl-2-0-13-sources-1-jar/PersonData.xsd

1.7191 kms 0.31.0

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1.7193 github.com/nats-io/nats-top 0.6.2

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1.7194 github.com/nats-io/jwt/v2 2.5.8

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1.7195 nats-server 2.10.20

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1.7201 psycopg 3.1.8

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1.7202 kazoo 2.10.0

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1.7203 ydiff 1.4.2

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1.7204 postgresql-timescaledb-tsl 2.13.1-r0

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\c :TEST_DBNAME :ROLE_CLUSTER_SUPERUSER;
SHOW timescaledb.license;
timescaledb.license
---------------------
timescale
```

(1 row)

SELECT _timescaledb_functions.tsl_loaded();
tsl_loaded
---
t
(1 row)

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```
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\c :TEST_DBNAME :ROLE_SUPERUSER
\set ECHO queries
SHOW timescaledb.license;
timescaledb.license
---------------------
apache
(1 row)

SELECT _timescaledb_functions.tsl_loaded();
tsl_loaded
------------
f
(1 row)

SET timescaledb.license='apache';
ERROR:  invalid value for parameter "timescaledb.license": "apache"
DETAIL:  Cannot change a license in a running session.
HINT:  Change the license in the configuration file or server command line.
```

```
SET timescaledb.license='timescale';
ERROR:  invalid value for parameter "timescaledb.license": "timescale"
DETAIL:  Cannot change a license in a running session.
HINT:  Change the license in the configuration file or server command line.
SET timescaledb.license='something_else';
ERROR:  invalid value for parameter "timescaledb.license": "something_else"
DETAIL:  Unrecognized
 license type.
HINT:  Supported license types are 'timescale' or 'apache'.
SELECT locf(1);
ERROR:  function "locf" is not supported under the current "apache" license
HINT:  Upgrade your license to 'timescale' to use this free community feature.
SELECT interpolate(1);
ERROR:  function "interpolate" is not supported under the current "apache" license
HINT:  Upgrade your license to 'timescale' to use this free community feature.
SELECT time_bucket_gapfill(1,1,1,1);
ERROR:  function "time_bucket_gapfill" is not supported under the current "apache" license
HINT:  Upgrade your license to 'timescale' to use this free community feature.
CREATE OR REPLACE FUNCTION custom_func(jobid int, args jsonb) RETURNS VOID AS $$
DECLARE
BEGIN
END;
$$ LANGUAGE plpgsql;
SELECT add_job('custom_func','1h', config:='{"type":"function"}'::jsonb);
ERROR:  function "add_job" is not supported under the current "apache" license
HINT:  Upgrade your license to 'timescale' to use this free community feature.
DROP
 FUNCTION custom_func;
CREATE TABLE metrics(time timestamptz NOT NULL, value float);
SELECT create_hypertable('metrics', 'time');
 create_hypertable
----------------------
(1,public,metrics,t)
(1 row)

ALTER TABLE metrics SET (timescaledb.compress);
ERROR:  functionality not supported under the current "apache" license. Learn more at https://timescale.com/.
HINT:  To access all features and the best time-series experience, try out Timescale Cloud.
INSERT INTO metrics
VALUES ('2022-01-01 00:00:00', 1), ('2022-01-01 01:00:00', 2), ('2022-01-01 02:00:00', 3);
CREATE MATERIALIZED VIEW metrics_hourly
WITH (timescaledb.continuous) AS
SELECT time_bucket(INTERVAL '1 hour', time) AS bucket,
  AVG(value),
  MAX(value),
  MIN(value)
FROM metrics
GROUP BY bucket
```

```
WITH NO DATA;
ERROR:  functionality not supported under the current "apache" license. Learn more at https://timescale.com/.
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CREATE MATERIALIZED
 VIEW metrics_hourly
AS
SELECT time_bucket(INTERVAL '1 hour', time) AS bucket,
  AVG(value),
  MAX(value),
  MIN(value)
FROM metrics
GROUP BY bucket;
CALL refresh_continuous_aggregate('metrics_hourly', NULL, NULL);
ERROR:  function "refresh_continuous_aggregate" is not supported under the current "apache" license
HINT:  Upgrade your license to 'timescale' to use this free community feature.
SELECT _timescaledb_functions.invalidation_hyper_log_add_entry(0, 0, 0);
ERROR:  function "invalidation_hyper_log_add_entry" is not supported under the current "apache" license
HINT:  Upgrade your license to 'timescale' to use this free community feature.
SELECT _timescaledb_functions.invalidation_cagg_log_add_entry(0, 0, 0);
ERROR:  function "invalidation_cagg_log_add_entry" is not supported under the current "apache" license
HINT:  Upgrade your license to 'timescale' to use this free community feature.
DROP MATERIALIZED VIEW metrics_hourly;
DROP TABLE metrics;
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0.
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1.7205 genproto-googleapis-rpc 0.0.0-20200806141610-86f49bd18e98

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1.7206 shopify-sarama 1.29.1

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1.7207 httphead 0.0.0-20180130184737-2c6c146eadee

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1.7208 marshmallow 1.1.4

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1.7209 logrus-logstash-hook 0.4.1

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1.7210 jaeger-client-go 2.30.1-0.20220110192849-8d8e8fcfd04d+incompatible

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1.7215 go-jose 2.4.1+incompatible

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1.7216 swag 0.19.5

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```

Found in path(s):
* /opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-jar/org/flywaydb/database/postgresql/PostgreSQLConfigurationExtension.java
* /opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-jar/org/flywaydb/database/cockroachdb/CockroachDBParser.java
* /opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-jar/org/flywaydb/database/cockroachdb/CockroachDBConnection.java
* /opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-jar/org/flywaydb/database/cockroachdb/CockroachRetryingTransactionalExecutionTemplate.java
* /opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-jar/org/flywaydb/database/postgresql/PostgreSQLType.java
* /opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-jar/org/flywaydb/database/cockroachdb/CockroachDBDatabase.java
* /opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-jar/org/flywaydb/database/cockroachdb/CockroachDBSchema.java
* /opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-

jar/org/flywaydb/database/postgresql/PostgreSQLCopyParsedStatement.java
* /opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-jar/org/flywaydb/database/postgresql/package-info.java
* /opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-jar/org/flywaydb/database/cockroachdb/CockroachDBRetryingStrategy.java
* /opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-jar/org/flywaydb/database/postgresql/PostgreSQLDatabase.java
* /opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-jar/org/flywaydb/database/postgresql/PostgreSQLDatabaseType.java
* /opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-jar/org/flywaydb/database/postgresql/PostgreSQLTable.java
*
/opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-jar/org/flywaydb/database/cockroachdb/CockroachDBDatabaseType.java
* /opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-jar/org/flywaydb/database/cockroachdb/CockroachDBTable.java
* /opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-jar/org/flywaydb/database/postgresql/PostgreSQLConnection.java
* /opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-jar/org/flywaydb/database/postgresql/TransactionalModel.java
* /opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-jar/org/flywaydb/database/postgresql/PostgreSQLSchema.java
* /opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-jar/org/flywaydb/database/postgresql/PostgreSQLAdvisoryLockTemplate.java
*
/opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-jar/org/flywaydb/database/cockroachdb/package-info.java
* /opt/cola/permits/2311333530_1736377011.0435264/0/flyway-database-postgresql-10-17-0-sources-1-jar/org/flywaydb/database/postgresql/PostgreSQLParser.java

1.7223 psycopg 3.1.18

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1.7224 googleapis-common-protos 1.56.4

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1.7225 kustomize-api 0.13.2

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1.7226 go-intervals 0.0.2

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1.7228 gpgme 0.1.3

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1.7229 kustomize-kustomize 5.0.1

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1.7230 kustomize-kyaml 0.14.1

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1.7234 googleapis-common-protos 1.58.0

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1.7236 kubernetes-client 0.31.2

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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL  string `json:"url,omitempty"`
}
```

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1.7237 json 0.0.0-20241014173422-cfa47c3a1cc8

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1.7243 runtime-spec 1.0.2

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1.7251 kubernetes-apimachinery 0.31.0-rc.1

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1.7252 kubernetes-cri-api 0.31.0-rc.1

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1.7257 netns 0.0.5

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1.7258 kubernetes-csi-translation 0.31.0

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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL  string `json:"url,omitempty"`
}
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package spec

import "testing"

func TestIntegrationLicense(t *testing.T) {
 license := License{Name: "the name", URL: "the url"}
 const licenseJSON = `{"name":"the name","url":"the url"}`
 const licenseYAML = "name: the name\nurl: the url\n"

 assertSerializeJSON(t, license, licenseJSON)
 assertParsesJSON(t, licenseJSON, license)
}
```

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1.7260 go-compute-metadata 0.5.2

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```
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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
//  protoc-gen-go v1.35.2
//  protoc        v4.25.3
// source: google/ai/generativelanguage/v1alpha/permission.proto

package generativelanguagepb

import (
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
)
```

```
const
 (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Defines types of the grantee of this permission.
type Permission_GranteeType int32

const (
 // The default value. This value is unused.
 Permission_GRANTEE_TYPE_UNSPECIFIED Permission_GranteeType = 0
 // Represents a user. When set, you must provide email_address for the user.
 Permission_USER Permission_GranteeType = 1
 // Represents a group. When set, you must provide email_address for the
 // group.
 Permission_GROUP Permission_GranteeType = 2
 // Represents access to everyone. No extra information is required.
 Permission_EVERYONE Permission_GranteeType = 3
)

// Enum value maps for Permission_GranteeType.
var (
 Permission_GranteeType_name = map[int32]string{
  0: "GRANTEE_TYPE_UNSPECIFIED",
  1: "USER",
  2:
 "GROUP",
  3: "EVERYONE",
 }
 Permission_GranteeType_value = map[string]int32{
  "GRANTEE_TYPE_UNSPECIFIED": 0,
  "USER":                     1,
  "GROUP":                    2,
  "EVERYONE":                 3,
 }
)

func (x Permission_GranteeType) Enum() *Permission_GranteeType {
 p := new(Permission_GranteeType)
 *p = x
 return p
}

func (x Permission_GranteeType) String() string {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
```

```
}

func (Permission_GranteeType) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1alpha_permission_proto_enumTypes[0].Descriptor()
}

func (Permission_GranteeType) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1alpha_permission_proto_enumTypes[0]
}

func (x Permission_GranteeType) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_GranteeType.Descriptor instead.
func (Permission_GranteeType) EnumDescriptor() ([]byte,
 []int) {
 return file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescGZIP(), []int{0, 0}
}

// Defines the role granted by this permission.
type Permission_Role int32

const (
 // The default value. This value is unused.
 Permission_ROLE_UNSPECIFIED Permission_Role = 0
 // Owner can use, update, share and delete the resource.
 Permission_OWNER Permission_Role = 1
 // Writer can use, update and share the resource.
 Permission_WRITER Permission_Role = 2
 // Reader can use the resource.
 Permission_READER Permission_Role = 3
)

// Enum value maps for Permission_Role.
var (
 Permission_Role_name = map[int32]string{
  0: "ROLE_UNSPECIFIED",
  1: "OWNER",
  2: "WRITER",
  3: "READER",
 }
 Permission_Role_value = map[string]int32{
  "ROLE_UNSPECIFIED": 0,
  "OWNER":            1,
  "WRITER":           2,
  "READER":           3,
 }
```

```
)

func (x Permission_Role) Enum() *Permission_Role {
 p := new(Permission_Role)
 *p = x
 return p
}

func (x Permission_Role) String() string
 {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_Role) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1alpha_permission_proto_enumTypes[1].Descriptor()
}

func (Permission_Role) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1alpha_permission_proto_enumTypes[1]
}

func (x Permission_Role) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_Role.Descriptor instead.
func (Permission_Role) EnumDescriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescGZIP(), []int{0, 1}
}

// Permission resource grants user, group or the rest of the world access to the
// PaLM API resource (e.g. a tuned model, corpus).
//
// A role is a collection of permitted operations that allows users to perform
// specific actions on PaLM API resources. To make them available to users,
// groups, or service
 accounts, you assign roles. When you assign a role, you
// grant permissions that the role contains.
//
// There are three concentric roles. Each role is a superset of the previous
// role's permitted operations:
//
// - reader can use the resource (e.g. tuned model, corpus) for inference
// - writer has reader's permissions and additionally can edit and share
// - owner has writer's permissions and additionally can delete
type Permission struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
```

```
 unknownFields protoimpl.UnknownFields

 // Output only. Identifier. The permission name. A unique name will be
 // generated on create. Examples:
 //
 // tunedModels/{tuned_model}/permissions/{permission}
 // corpora/{corpus}/permissions/{permission}
 //
 // Output only.
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Optional. Immutable. The type of the grantee.
 GranteeType *Permission_GranteeType
`protobuf:"varint,2,opt,name=grantee_type,json=granteeType,proto3,enum=google.ai.generativelanguage.v1alpha.P
ermission_GranteeType,oneof"
 json:"grantee_type,omitempty"`
 // Optional. Immutable. The email address of the user of group which this
 // permission refers. Field is not set when permission's grantee type is
 // EVERYONE.
 EmailAddress *string `protobuf:"bytes,3,opt,name=email_address,json=emailAddress,proto3,oneof"
json:"email_address,omitempty"`
 // Required. The role granted by this permission.
 Role *Permission_Role
`protobuf:"varint,4,opt,name=role,proto3,enum=google.ai.generativelanguage.v1alpha.Permission_Role,oneof"
json:"role,omitempty"`
}

func (x *Permission) Reset() {
 *x = Permission{}
 mi := &file_google_ai_generativelanguage_v1alpha_permission_proto_msgTypes[0]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *Permission) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*Permission) ProtoMessage() {}

func (x *Permission) ProtoReflect() protoreflect.Message
 {
 mi := &file_google_ai_generativelanguage_v1alpha_permission_proto_msgTypes[0]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
```

```
 }
 return mi.MessageOf(x)
}

// Deprecated: Use Permission.ProtoReflect.Descriptor instead.
func (*Permission) Descriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescGZIP(), []int{0}
}

func (x *Permission) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *Permission) GetGranteeType() Permission_GranteeType {
 if x != nil && x.GranteeType != nil {
  return *x.GranteeType
 }
 return Permission_GRANTEE_TYPE_UNSPECIFIED
}

func (x *Permission) GetEmailAddress() string {
 if x != nil && x.EmailAddress != nil {
  return *x.EmailAddress
 }
 return ""
}

func (x *Permission) GetRole() Permission_Role {
 if x != nil && x.Role != nil {
  return *x.Role
 }
 return Permission_ROLE_UNSPECIFIED
}

var
 File_google_ai_generativelanguage_v1alpha_permission_proto protoreflect.FileDescriptor

var file_google_ai_generativelanguage_v1alpha_permission_proto_rawDesc = []byte{
 0x0a, 0x35, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x76,
 0x31, 0x61, 0x6c, 0x70, 0x68, 0x61, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f,
 0x6e, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x24, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e,
 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e,
 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x61, 0x6c, 0x70, 0x68, 0x61, 0x1a, 0x1f, 0x67,
 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f,
```

0x62, 0x65, 0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a, 0x19,
0x67, 0x6f, 0x6f, 0x67, 0x6c,
0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75,
0x72, 0x63, 0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0x87, 0x05, 0x0a, 0x0a, 0x50, 0x65,
0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x1a, 0x0a, 0x04, 0x6e, 0x61, 0x6d, 0x65,
0x18, 0x01, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x03, 0xe0, 0x41, 0x08, 0x52, 0x04,
0x6e, 0x61, 0x6d, 0x65, 0x12, 0x6c, 0x0a, 0x0c, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f,
0x74, 0x79, 0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0e, 0x32, 0x3c, 0x2e, 0x67, 0x6f, 0x6f,
0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76,
0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x61, 0x6c, 0x70, 0x68,
0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x47, 0x72, 0x61,
0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05,
0x48, 0x00, 0x52, 0x0b, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65,
0x65, 0x54, 0x79, 0x70, 0x65, 0x88,
0x01, 0x01, 0x12, 0x30, 0x0a, 0x0d, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72,
0x65, 0x73, 0x73, 0x18, 0x03, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41,
0x05, 0x48, 0x01, 0x52, 0x0c, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x41, 0x64, 0x64, 0x72, 0x65, 0x73,
0x73, 0x88, 0x01, 0x01, 0x12, 0x53, 0x0a, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x18, 0x04, 0x20, 0x01,
0x28, 0x0e, 0x32, 0x35, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67,
0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67,
0x65, 0x2e, 0x76, 0x31, 0x61, 0x6c, 0x70, 0x68, 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73,
0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x52, 0x6f, 0x6c, 0x65, 0x42, 0x03, 0xe0, 0x41, 0x02, 0x48, 0x02,
0x52, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x88, 0x01, 0x01, 0x22, 0x4e, 0x0a, 0x0b, 0x47, 0x72, 0x61,
0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x12, 0x1c, 0x0a, 0x18, 0x47, 0x52, 0x41,
0x4e,
0x54, 0x45, 0x45, 0x5f, 0x54, 0x59, 0x50, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49,
0x46, 0x49, 0x45, 0x44, 0x10, 0x00, 0x12, 0x08, 0x0a, 0x04, 0x55, 0x53, 0x45, 0x52, 0x10, 0x01,
0x12, 0x09, 0x0a, 0x05, 0x47, 0x52, 0x4f, 0x55, 0x50, 0x10, 0x02, 0x12, 0x0c, 0x0a, 0x08, 0x45,
0x56, 0x45, 0x52, 0x59, 0x4f, 0x4e, 0x45, 0x10, 0x03, 0x22, 0x3f, 0x0a, 0x04, 0x52, 0x6f, 0x6c,
0x65, 0x12, 0x14, 0x0a, 0x10, 0x52, 0x4f, 0x4c, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43,
0x49, 0x46, 0x49, 0x45, 0x44, 0x10, 0x00, 0x12, 0x09, 0x0a, 0x05, 0x4f, 0x57, 0x4e, 0x45, 0x52,
0x10, 0x01, 0x12, 0x0a, 0x0a, 0x06, 0x57, 0x52, 0x49, 0x54, 0x45, 0x52, 0x10, 0x02, 0x12, 0x0a,
0x0a, 0x06, 0x52, 0x45, 0x41, 0x44, 0x45, 0x52, 0x10, 0x03, 0x3a, 0xaa, 0x01, 0xea, 0x41, 0xa6,
0x01, 0x0a, 0x2c, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e,
0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73,
0x2e, 0x63, 0x6f, 0x6d,
0x2f, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12,
0x32, 0x74, 0x75, 0x6e, 0x65, 0x64, 0x4d, 0x6f, 0x64, 0x65, 0x6c, 0x73, 0x2f, 0x7b, 0x74, 0x75,
0x6e, 0x65, 0x64, 0x5f, 0x6d, 0x6f, 0x64, 0x65, 0x6c, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69,
0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69,
0x6f, 0x6e, 0x7d, 0x12, 0x29, 0x63, 0x6f, 0x72, 0x70, 0x6f, 0x72, 0x61, 0x2f, 0x7b, 0x63, 0x6f,
0x72, 0x70, 0x75, 0x73, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x2a, 0x0b,
0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x32, 0x0a, 0x70, 0x65, 0x72,
0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x42, 0x0f, 0x0a, 0x0d, 0x5f, 0x67, 0x72, 0x61, 0x6e,
0x74, 0x65, 0x65, 0x5f, 0x74, 0x79, 0x70, 0x65, 0x42, 0x10, 0x0a, 0x0e, 0x5f, 0x65, 0x6d, 0x61,
0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72, 0x65, 0x73,

```
 0x73, 0x42, 0x07, 0x0a, 0x05, 0x5f, 0x72,
 0x6f, 0x6c, 0x65, 0x42, 0x9d, 0x01, 0x0a, 0x28, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67,
 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65,
 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x61, 0x6c, 0x70, 0x68, 0x61,
 0x42, 0x0f, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x50, 0x72, 0x6f, 0x74,
 0x6f, 0x50, 0x01, 0x5a, 0x5e, 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
 0x65, 0x2e, 0x63, 0x6f, 0x6d, 0x2f, 0x67, 0x6f, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x61,
 0x70, 0x69, 0x76, 0x31, 0x61, 0x6c, 0x70, 0x68, 0x61, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61,
 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x3b, 0x67,
 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75,
 0x61, 0x67,
 0x65, 0x70, 0x62, 0x62, 0x06, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescOnce sync.Once
 file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescData =
file_google_ai_generativelanguage_v1alpha_permission_proto_rawDesc
)

func file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescGZIP() []byte {
 file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescOnce.Do(func() {
  file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescData)
 })
 return file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescData
}

var file_google_ai_generativelanguage_v1alpha_permission_proto_enumTypes = make([]protoimpl.EnumInfo, 2)
var file_google_ai_generativelanguage_v1alpha_permission_proto_msgTypes = make([]protoimpl.MessageInfo, 1)
var file_google_ai_generativelanguage_v1alpha_permission_proto_goTypes
 = []any{
 (Permission_GranteeType)(0), // 0: google.ai.generativelanguage.v1alpha.Permission.GranteeType
 (Permission_Role)(0),        // 1: google.ai.generativelanguage.v1alpha.Permission.Role
 (*Permission)(nil),          // 2: google.ai.generativelanguage.v1alpha.Permission
}
var file_google_ai_generativelanguage_v1alpha_permission_proto_depIdxs = []int32{
 0, // 0: google.ai.generativelanguage.v1alpha.Permission.grantee_type:type_name ->
google.ai.generativelanguage.v1alpha.Permission.GranteeType
 1, // 1: google.ai.generativelanguage.v1alpha.Permission.role:type_name ->
google.ai.generativelanguage.v1alpha.Permission.Role
 2, // [2:2] is the sub-list for method output_type
 2, // [2:2] is the sub-list for method input_type
 2, // [2:2] is the sub-list for extension type_name
 2, // [2:2] is the sub-list for extension extendee
 0, // [0:2] is the sub-list for field type_name
}
```

```
func init() { file_google_ai_generativelanguage_v1alpha_permission_proto_init()
 }
func file_google_ai_generativelanguage_v1alpha_permission_proto_init() {
 if File_google_ai_generativelanguage_v1alpha_permission_proto != nil {
  return
 }
 file_google_ai_generativelanguage_v1alpha_permission_proto_msgTypes[0].OneofWrappers = []any{}
 type x struct{}
 out := protoimpl.TypeBuilder{
  File: protoimpl.DescBuilder{
   GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
   RawDescriptor: file_google_ai_generativelanguage_v1alpha_permission_proto_rawDesc,
   NumEnums:      2,
   NumMessages:   1,
   NumExtensions: 0,
   NumServices:   0,
  },
  GoTypes:          file_google_ai_generativelanguage_v1alpha_permission_proto_goTypes,
  DependencyIndexes: file_google_ai_generativelanguage_v1alpha_permission_proto_depIdxs,
  EnumInfos:         file_google_ai_generativelanguage_v1alpha_permission_proto_enumTypes,
  MessageInfos:      file_google_ai_generativelanguage_v1alpha_permission_proto_msgTypes,
 }.Build()
 File_google_ai_generativelanguage_v1alpha_permission_proto = out.File
 file_google_ai_generativelanguage_v1alpha_permission_proto_rawDesc
 = nil
 file_google_ai_generativelanguage_v1alpha_permission_proto_goTypes = nil
 file_google_ai_generativelanguage_v1alpha_permission_proto_depIdxs = nil
}
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

//go:build go1.23

package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleLicensesClient_List_all() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications
 to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.ListLicensesRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
 }
 for resp, err := range c.List(ctx, req).All() {
  if err != nil {
   // TODO: Handle error and break/return/continue. Iteration will stop after any error.
  }
  // TODO: Use resp.
  _ = resp
 }
}
```

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package procurement_test

import (
 "context"

 procurement "cloud.google.com/go/commerce/consumer/procurement/apiv1"
 procurementpb "cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb"
 longrunningpb "cloud.google.com/go/longrunning/autogen/longrunningpb"
 "google.golang.org/api/iterator"
)

func ExampleNewLicenseManagementClient() {
 ctx
 := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleNewLicenseManagementRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
```

```
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c,
 err := procurement.NewLicenseManagementRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicenseManagementClient_Assign() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &procurementpb.AssignRequest{
  // TODO: Fill request struct fields.
  // See
https://pkg.go.dev/cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb#AssignRequest.
 }
 resp, err := c.Assign(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 //
 TODO: Use resp.
 _ = resp
}

func ExampleLicenseManagementClient_EnumerateLicensedUsers() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
```

```
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &procurementpb.EnumerateLicensedUsersRequest{
  // TODO: Fill request struct fields.
  // See
https://pkg.go.dev/cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb#EnumerateLicense
dUsersRequest.
 }
 it := c.EnumerateLicensedUsers(ctx, req)
 for {
  resp, err := it.Next()
  if err == iterator.Done {
   break
  }
  if err != nil {
   // TODO: Handle error.
  }
  //
 TODO: Use resp.
  _ = resp

  // If you need to access the underlying RPC response,
  // you can do so by casting the `Response` as below.
  // Otherwise, remove this line. Only populated after
  // first call to Next(). Not safe for concurrent access.
  _ = it.Response.(*procurementpb.EnumerateLicensedUsersResponse)
 }
}

func ExampleLicenseManagementClient_GetLicensePool() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &procurementpb.GetLicensePoolRequest{
```

```
  // TODO: Fill request struct fields.
  //
 See
https://pkg.go.dev/cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb#GetLicensePoolRe
quest.
 }
 resp, err := c.GetLicensePool(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseManagementClient_Unassign() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &procurementpb.UnassignRequest{
  // TODO: Fill request struct fields.
  // See
https://pkg.go.dev/cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb#UnassignRequest.
 }
 resp,
 err := c.Unassign(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseManagementClient_UpdateLicensePool() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
```

```
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &procurementpb.UpdateLicensePoolRequest{
  // TODO: Fill request struct fields.
  // See
https://pkg.go.dev/cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb#UpdateLicensePoo
lRequest.
 }
 resp, err := c.UpdateLicensePool(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 //
 TODO: Use resp.
 _ = resp
}

func ExampleLicenseManagementClient_GetOperation() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &longrunningpb.GetOperationRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/longrunning/autogen/longrunningpb#GetOperationRequest.
 }
 resp, err := c.GetOperation(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
 "google.golang.org/api/iterator"
)

func ExampleNewLicensesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will
 require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicensesClient_Delete() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
```

```
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.DeleteLicenseRequest{
  //
 TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
 }
 op, err := c.Delete(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
 }
 resp,
 err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
```

```
func ExampleLicensesClient_GetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetIamPolicyLicenseRequest.
 }
 resp, err := c.GetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_Insert()
 {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.InsertLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
 }
 op, err := c.Insert(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
```

```
 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_List() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template
 only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.ListLicensesRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
 }
 it := c.List(ctx, req)
 for {
  resp, err := it.Next()
  if err == iterator.Done {
   break
  }
  if err != nil {
   // TODO: Handle error.
  }
  // TODO: Use resp.
  _ = resp

  // If you need to access the underlying RPC response,
  // you can do so by casting the `Response` as below.
  // Otherwise, remove this line. Only populated after
  // first call to Next(). Not safe for concurrent access.
  _ = it.Response.(*computepb.LicensesListResponse)
 }
}

func
 ExampleLicensesClient_SetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
```

```
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.SetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
 }
 resp, err := c.SetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically
 generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
 }
 resp, err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
```

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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute

import (
 "bytes"
 "context"
 "fmt"
 "log/slog"
 "math"
 "net/http"
 "net/url"
 "time"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/iterator"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/protobuf/encoding/protojson"
 "google.golang.org/protobuf/proto"
)

var
 newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
 Delete            []gax.CallOption
 Get               []gax.CallOption
 GetIamPolicy      []gax.CallOption
 Insert            []gax.CallOption
 List              []gax.CallOption
 SetIamPolicy      []gax.CallOption
 TestIamPermissions []gax.CallOption
```

```
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
 return &LicensesCallOptions{
  Delete: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  Get: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  GetIamPolicy:
 []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  Insert: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  List: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  SetIamPolicy: []gax.CallOption{
```

```
   gax.WithTimeout(600000 * time.Millisecond),
  },
  TestIamPermissions: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
 }
}

//
 internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
 Close() error
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
 Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
 Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
 GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
 List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
 SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse,
 error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicensesClient

 // The call options for this service.
 CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
 return c.internalClient.Close()
}
```

```
// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

// Connection returns a connection
 to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
 return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy for a resource. May be empty
 if no such policy or resource exists. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
 return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
list of publicly-available licenses,
```

```
 use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution
This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption)
*LicenseIterator {
 return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners
 who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // operationClient is used to call the operation-specific management service.
 operationClient *GlobalOperationsClient

 // The x-goog-* headers to be sent with each request.
 xGoogHeaders []string

 // Points back to the CallOptions field of the containing LicensesClient
 CallOptions **LicensesCallOptions

 logger *slog.Logger
}

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx
```

```
 context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
 clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicensesRESTCallOptions()
 c := &licensesRESTClient{
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
  logger:      internaloption.GetLogger(opts),
 }
 c.setGoogleClientInfo()

 o := []option.ClientOption{
  option.WithHTTPClient(httpClient),
  option.WithEndpoint(endpoint),
 }
 opC, err := NewGlobalOperationsRESTClient(ctx, o...)
 if err != nil {
  return nil, err
 }
 c.operationClient = opC

 return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultEndpointTemplate("https://compute.UNIVERSE_DOMAIN"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultUniverseDomain("googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
  internaloption.EnableNewAuthLibrary(),
 }
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
```

```
 c.xGoogHeaders = []string{
  "x-goog-api-client", gax.XGoogHeader(kv...),
 }
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
 // Replace httpClient
 with nil to force cleanup.
 c.httpClient = nil
 if err := c.operationClient.Close(); err != nil {
  return err
 }
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
 return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client
 and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
```

```
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, nil, "Delete")
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf,
 resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 op := &Operation{
  &globalOperationsHandle{
   c:       c.operationClient,
   proto:   resp,
   project: req.GetProject(),
  },
 }
 return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
```

```
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders,
 hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.License{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, nil, "Get")
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource
 exists. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace
images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
```

```
 return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

 params := url.Values{}
 if req != nil && req.OptionsRequestedPolicyVersion != nil {
  params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds,
 "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, nil, "GetIamPolicy")
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
```

```
 return nil, e
 }
 return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended
 for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetLicenseResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v", "project", url.QueryEscape(req.GetProject()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx,
 hds...)
 opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
```

```
 httpReq.Header = headers

 buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, jsonReq, "Insert")
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}

// List retrieves the
 list of licenses available in the specified project. This method does not get any licenses that belong to other projects,
including licenses attached to publicly-available images, like Debian 9. If you want to get a list of publicly-available
licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts
...gax.CallOption) *LicenseIterator {
 it := &LicenseIterator{}
 req = proto.Clone(req).(*computepb.ListLicensesRequest)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
  resp := &computepb.LicensesListResponse{}
  if pageToken != "" {
   req.PageToken = proto.String(pageToken)
  }
  if pageSize > math.MaxInt32
  {
   req.MaxResults = proto.Uint32(uint32(math.MaxInt32))
  } else if pageSize != 0 {
   req.MaxResults = proto.Uint32(uint32(pageSize))
  }
  baseUrl, err := url.Parse(c.endpoint)
```

```
 if err != nil {
  return nil, "", err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.Filter != nil {
  params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
 }
 if req != nil && req.MaxResults != nil {
  params.Add("maxResults", fmt.Sprintf("%v", req.GetMaxResults()))
 }
 if req != nil && req.OrderBy != nil {
  params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
 }
 if req != nil && req.PageToken != nil {
  params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
 }
 if req != nil && req.ReturnPartialSuccess != nil {
  params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from
client and context metadata.
 hds := append(c.xGoogHeaders, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq.Header = headers

  buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, nil, "List")
  if err != nil {
   return err
  }
  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
```

```
 if e != nil {
  return nil, "", e
 }
 it.Response = resp
 return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
 items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
 if err != nil {
  return "", err
 }
 it.items = append(it.items, items...)
 return nextPageToken,
nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()

return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetGlobalSetPolicyRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds
 := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project", url.QueryEscape(req.GetProject()),
"resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
```

```
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, jsonReq, "SetIamPolicy")
  if err != nil {
   return err
  }

  if
 err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }
```

```
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params",
 fmt.Sprintf("%s=%v&%s=%v", "project", url.QueryEscape(req.GetProject()), "resource",
url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, jsonReq, "TestIamPermissions")
  if err !=
 nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}
```

```
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

//go:build go1.23

package compute_test
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleNewLicenseCodesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
```

```
//
- It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicenseCodesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

// TODO: Use client.
_ = c
}

func ExampleLicenseCodesClient_Get() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicenseCodesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.GetLicenseCodeRequest{
 // TODO: Fill request
struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
}
resp, err := c.Get(ctx, req)
if err != nil {
 // TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicenseCodesRESTClient(ctx)
```

```
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseCodeRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
 }
 resp,
 err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

//go:build go1.23

package procurement_test

import (
 "context"

 procurement "cloud.google.com/go/commerce/consumer/procurement/apiv1"
 procurementpb "cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb"
)

func ExampleLicenseManagementClient_EnumerateLicensedUsers_all() {
 ctx := context.Background()
 // This snippet has been automatically
```

```
 generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &procurementpb.EnumerateLicensedUsersRequest{
  // TODO: Fill request struct fields.
  // See
https://pkg.go.dev/cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb#EnumerateLicense
dUsersRequest.
 }
 for resp, err := range c.EnumerateLicensedUsers(ctx, req).All() {
  if err != nil {
   // TODO: Handle error and break/return/continue. Iteration will stop after any error.
  }
  // TODO: Use resp.
  _ = resp
 }
}

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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
//  protoc-gen-go v1.35.2
//  protoc        v4.25.3
// source: google/cloud/commerce/consumer/procurement/v1/license_management_service.proto

package procurementpb

import (
 context "context"
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"
 grpc "google.golang.org/grpc"
 codes "google.golang.org/grpc/codes"
 status
 "google.golang.org/grpc/status"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
 durationpb "google.golang.org/protobuf/types/known/durationpb"
 fieldmaskpb "google.golang.org/protobuf/types/known/fieldmaskpb"
 timestamppb "google.golang.org/protobuf/types/known/timestamppb"
)

const (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Assignment protocol for a license pool.
type AssignmentProtocol struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // The type of assignment protocol.
 //
 // Types that are assignable to AssignmentType:
 //
 // *AssignmentProtocol_ManualAssignmentType_
```

```
 // *AssignmentProtocol_AutoAssignmentType_
 AssignmentType
 isAssignmentProtocol_AssignmentType `protobuf_oneof:"assignment_type"`
}

func (x *AssignmentProtocol) Reset() {
 *x = AssignmentProtocol{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[0]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *AssignmentProtocol) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*AssignmentProtocol) ProtoMessage() {}

func (x *AssignmentProtocol) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[0]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use AssignmentProtocol.ProtoReflect.Descriptor instead.
func (*AssignmentProtocol) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
 []int{0}
}

func (m *AssignmentProtocol) GetAssignmentType() isAssignmentProtocol_AssignmentType {
 if m != nil {
  return m.AssignmentType
 }
 return nil
}

func (x *AssignmentProtocol) GetManualAssignmentType() *AssignmentProtocol_ManualAssignmentType {
 if x, ok := x.GetAssignmentType().(*AssignmentProtocol_ManualAssignmentType_); ok {
```

```
  return x.ManualAssignmentType
 }
 return nil
}

func (x *AssignmentProtocol) GetAutoAssignmentType() *AssignmentProtocol_AutoAssignmentType {
 if x, ok := x.GetAssignmentType().(*AssignmentProtocol_AutoAssignmentType_); ok {
  return x.AutoAssignmentType
 }
 return nil
}

type isAssignmentProtocol_AssignmentType interface {
 isAssignmentProtocol_AssignmentType()
}

type AssignmentProtocol_ManualAssignmentType_ struct {
 // Allow manual assignments triggered by administrative operations only.
 ManualAssignmentType *AssignmentProtocol_ManualAssignmentType
`protobuf:"bytes,2,opt,name=manual_assignment_type,json=manualAssignmentType,proto3,oneof"`
}

type
 AssignmentProtocol_AutoAssignmentType_ struct {
 // Allow automatic assignments triggered by data plane operations.
 AutoAssignmentType *AssignmentProtocol_AutoAssignmentType
`protobuf:"bytes,3,opt,name=auto_assignment_type,json=autoAssignmentType,proto3,oneof"`
}

func (*AssignmentProtocol_ManualAssignmentType_) isAssignmentProtocol_AssignmentType() {}

func (*AssignmentProtocol_AutoAssignmentType_) isAssignmentProtocol_AssignmentType() {}

// A license pool represents a pool of licenses that can be assigned to users.
type LicensePool struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Identifier. Format:
 // `billingAccounts/{billing_account}/orders/{order}/licensePool`
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Required. Assignment protocol for the license pool.
 LicenseAssignmentProtocol *AssignmentProtocol
`protobuf:"bytes,2,opt,name=license_assignment_protocol,json=licenseAssignmentProtocol,proto3"
 json:"license_assignment_protocol,omitempty"`
 // Output only. Licenses count that are available to be assigned.
 AvailableLicenseCount int32
```

```
`protobuf:"varint,3,opt,name=available_license_count,json=availableLicenseCount,proto3"
json:"available_license_count,omitempty"`
 // Output only. Total number of licenses in the pool.
 TotalLicenseCount int32 `protobuf:"varint,4,opt,name=total_license_count,json=totalLicenseCount,proto3"
json:"total_license_count,omitempty"`
}

func (x *LicensePool) Reset() {
 *x = LicensePool{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[1]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *LicensePool) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*LicensePool) ProtoMessage() {}

func (x *LicensePool) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[1]
 if
 x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use LicensePool.ProtoReflect.Descriptor instead.
func (*LicensePool) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{1}
}

func (x *LicensePool) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}
```

```
func (x *LicensePool) GetLicenseAssignmentProtocol() *AssignmentProtocol {
 if x != nil {
  return x.LicenseAssignmentProtocol
 }
 return nil
}

func (x *LicensePool) GetAvailableLicenseCount() int32 {
 if x != nil {
  return x.AvailableLicenseCount
 }
 return 0
}

func (x *LicensePool) GetTotalLicenseCount() int32 {
 if x != nil {
  return x.TotalLicenseCount
 }
 return 0
}

// Request message for getting a
 license pool.
type GetLicensePoolRequest struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Required. The name of the license pool to get.
 // Format: `billingAccounts/{billing_account}/orders/{order}/licensePool`
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
}

func (x *GetLicensePoolRequest) Reset() {
 *x = GetLicensePoolRequest{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[2]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *GetLicensePoolRequest) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*GetLicensePoolRequest) ProtoMessage() {}
```

```
func (x *GetLicensePoolRequest) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[2]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if
 ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use GetLicensePoolRequest.ProtoReflect.Descriptor instead.
func (*GetLicensePoolRequest) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{2}
}

func (x *GetLicensePoolRequest) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

// Request message for updating a license pool.
type UpdateLicensePoolRequest struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Required. The license pool to update.
 //
 // The license pool's name field is used to identify the license pool to
 // update. Format:
 // `billingAccounts/{billing_account}/orders/{order}/licensePool`.
 LicensePool *LicensePool `protobuf:"bytes,1,opt,name=license_pool,json=licensePool,proto3"
json:"license_pool,omitempty"`
 //
 Required. The list of fields to update.
 UpdateMask *fieldmaskpb.FieldMask `protobuf:"bytes,2,opt,name=update_mask,json=updateMask,proto3"
json:"update_mask,omitempty"`
 }

func (x *UpdateLicensePoolRequest) Reset() {
```

```
 *x = UpdateLicensePoolRequest{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[3]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *UpdateLicensePoolRequest) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*UpdateLicensePoolRequest) ProtoMessage() {}

func (x *UpdateLicensePoolRequest) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[3]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use UpdateLicensePoolRequest.ProtoReflect.Descriptor
 instead.
func (*UpdateLicensePoolRequest) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{3}
}

func (x *UpdateLicensePoolRequest) GetLicensePool() *LicensePool {
 if x != nil {
  return x.LicensePool
 }
 return nil
}

func (x *UpdateLicensePoolRequest) GetUpdateMask() *fieldmaskpb.FieldMask {
 if x != nil {
  return x.UpdateMask
 }
 return nil
}
```

```
// Request message for
//
[LicenseManagementService.Assign][google.cloud.commerce.consumer.procurement.v1.LicenseManagementServic
e.Assign].
type AssignRequest struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Required. License pool name.
 Parent string `protobuf:"bytes,1,opt,name=parent,proto3" json:"parent,omitempty"`
 // Required. Username.
 // Format: `name@domain.com`.
 Usernames []string `protobuf:"bytes,2,rep,name=usernames,proto3" json:"usernames,omitempty"`
}

func
 (x *AssignRequest) Reset() {
 *x = AssignRequest{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[4]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *AssignRequest) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*AssignRequest) ProtoMessage() {}

func (x *AssignRequest) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[4]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use AssignRequest.ProtoReflect.Descriptor instead.
func (*AssignRequest) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
```

```
[]int{4}
}

func (x *AssignRequest) GetParent()
 string {
 if x != nil {
  return x.Parent
 }
 return ""
}

func (x *AssignRequest) GetUsernames() []string {
 if x != nil {
  return x.Usernames
 }
 return nil
}

// Response message for
//
[LicenseManagementService.Assign][google.cloud.commerce.consumer.procurement.v1.LicenseManagementServic
e.Assign].
type AssignResponse struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields
}

func (x *AssignResponse) Reset() {
 *x = AssignResponse{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[5]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *AssignResponse) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*AssignResponse) ProtoMessage() {}

func (x *AssignResponse) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[5]
 if x
 != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
```

```
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use AssignResponse.ProtoReflect.Descriptor instead.
func (*AssignResponse) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{5}
}

// Request message for
//
[LicenseManagementService.Unassign][google.cloud.commerce.consumer.procurement.v1.LicenseManagementSer
vice.Unassign].
type UnassignRequest struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Required. License pool name.
 Parent string `protobuf:"bytes,1,opt,name=parent,proto3" json:"parent,omitempty"`
 // Required. Username.
 // Format: `name@domain.com`.
 Usernames []string `protobuf:"bytes,2,rep,name=usernames,proto3" json:"usernames,omitempty"`
}

func (x *UnassignRequest) Reset()
 {
 *x = UnassignRequest{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[6]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *UnassignRequest) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*UnassignRequest) ProtoMessage() {}

func (x *UnassignRequest) ProtoReflect() protoreflect.Message {
 mi :=
```

```
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[6]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use UnassignRequest.ProtoReflect.Descriptor instead.
func (*UnassignRequest) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{6}
}

func (x *UnassignRequest) GetParent() string {
 if x != nil {
  return
 x.Parent
 }
 return ""
}

func (x *UnassignRequest) GetUsernames() []string {
 if x != nil {
  return x.Usernames
 }
 return nil
}

// Response message for
//
[LicenseManagementService.Unassign][google.cloud.commerce.consumer.procurement.v1.LicenseManagementSer
vice.Unassign].
type UnassignResponse struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields
}

func (x *UnassignResponse) Reset() {
 *x = UnassignResponse{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[7]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
```

```
 ms.StoreMessageInfo(mi)
}

func (x *UnassignResponse) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*UnassignResponse) ProtoMessage() {}

func (x *UnassignResponse) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[7]
 if x != nil {
  ms
 := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use UnassignResponse.ProtoReflect.Descriptor instead.
func (*UnassignResponse) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{7}
}

// Request message for
//
[LicenseManagementService.EnumerateLicensedUsers][google.cloud.commerce.consumer.procurement.v1.License
ManagementService.EnumerateLicensedUsers].
type EnumerateLicensedUsersRequest struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Required. License pool name.
 Parent string `protobuf:"bytes,1,opt,name=parent,proto3" json:"parent,omitempty"`
 // Optional. The maximum number of users to return. The service may return
 // fewer than this value.
 PageSize int32 `protobuf:"varint,2,opt,name=page_size,json=pageSize,proto3"
 json:"page_size,omitempty"`
 // Optional. A page token, received from a previous `EnumerateLicensedUsers`
 // call. Provide this to retrieve the subsequent page.
 PageToken string `protobuf:"bytes,3,opt,name=page_token,json=pageToken,proto3" json:"page_token,omitempty"`
```

```
}

func (x *EnumerateLicensedUsersRequest) Reset() {
 *x = EnumerateLicensedUsersRequest{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[8]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *EnumerateLicensedUsersRequest) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*EnumerateLicensedUsersRequest) ProtoMessage() {}

func (x *EnumerateLicensedUsersRequest) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[8]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo()
 == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use EnumerateLicensedUsersRequest.ProtoReflect.Descriptor instead.
func (*EnumerateLicensedUsersRequest) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{8}
}

func (x *EnumerateLicensedUsersRequest) GetParent() string {
 if x != nil {
  return x.Parent
 }
 return ""
}

func (x *EnumerateLicensedUsersRequest) GetPageSize() int32 {
 if x != nil {
  return x.PageSize
 }
```

```
 return 0
}

func (x *EnumerateLicensedUsersRequest) GetPageToken() string {
 if x != nil {
  return x.PageToken
 }
 return ""
}

// A licensed user.
type LicensedUser struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Username.
 // Format: `name@domain.com`.
 Username string `protobuf:"bytes,1,opt,name=username,proto3" json:"username,omitempty"`
 //
 Output only. Timestamp when the license was assigned.
 AssignTime *timestamppb.Timestamp `protobuf:"bytes,2,opt,name=assign_time,json=assignTime,proto3"
json:"assign_time,omitempty"`
 // Output only. Timestamp when the license was recently used. This may not be
 // the most recent usage time, and will be updated regularly (within 24
 // hours).
 RecentUsageTime *timestamppb.Timestamp
`protobuf:"bytes,3,opt,name=recent_usage_time,json=recentUsageTime,proto3"
json:"recent_usage_time,omitempty"`
}

func (x *LicensedUser) Reset() {
 *x = LicensedUser{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[9]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *LicensedUser) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*LicensedUser) ProtoMessage() {}

func (x *LicensedUser) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[9]
```

```
 if
 x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use LicensedUser.ProtoReflect.Descriptor instead.
func (*LicensedUser) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{9}
}

func (x *LicensedUser) GetUsername() string {
 if x != nil {
  return x.Username
 }
 return ""
}

func (x *LicensedUser) GetAssignTime() *timestamppb.Timestamp {
 if x != nil {
  return x.AssignTime
 }
 return nil
}

func (x *LicensedUser) GetRecentUsageTime() *timestamppb.Timestamp {
 if x != nil {
  return x.RecentUsageTime
 }
 return nil
}

// Response message for
//
[LicenseManagementService.EnumerateLicensedUsers][google.cloud.commerce.consumer.procurement.v1.License
ManagementService.EnumerateLicensedUsers].
type EnumerateLicensedUsersResponse
 struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields
```

```
 // The list of licensed users.
 LicensedUsers []*LicensedUser `protobuf:"bytes,1,rep,name=licensed_users,json=licensedUsers,proto3"
json:"licensed_users,omitempty"`
 // A token that can be sent as `page_token` to retrieve the next page.
 // If this field is omitted, there are no subsequent pages.
 NextPageToken string `protobuf:"bytes,2,opt,name=next_page_token,json=nextPageToken,proto3"
json:"next_page_token,omitempty"`
}

func (x *EnumerateLicensedUsersResponse) Reset() {
 *x = EnumerateLicensedUsersResponse{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[10]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *EnumerateLicensedUsersResponse) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*EnumerateLicensedUsersResponse) ProtoMessage() {}

func
 (x *EnumerateLicensedUsersResponse) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[10]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use EnumerateLicensedUsersResponse.ProtoReflect.Descriptor instead.
func (*EnumerateLicensedUsersResponse) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{10}
}

func (x *EnumerateLicensedUsersResponse) GetLicensedUsers() []*LicensedUser {
 if x != nil {
  return x.LicensedUsers
```

```
 }
 return nil
}

func (x *EnumerateLicensedUsersResponse) GetNextPageToken() string {
 if x != nil {
  return x.NextPageToken
 }
 return ""
}

// Allow manual assignments triggered by administrative operations only.
type AssignmentProtocol_ManualAssignmentType
 struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields
}

func (x *AssignmentProtocol_ManualAssignmentType) Reset() {
 *x = AssignmentProtocol_ManualAssignmentType{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[11]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *AssignmentProtocol_ManualAssignmentType) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*AssignmentProtocol_ManualAssignmentType) ProtoMessage() {}

func (x *AssignmentProtocol_ManualAssignmentType) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[11]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated:
```

```
 Use AssignmentProtocol_ManualAssignmentType.ProtoReflect.Descriptor instead.
func (*AssignmentProtocol_ManualAssignmentType) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{0, 0}
}

// Configuration for automatic assignments handled by data plane operations.
type AssignmentProtocol_AutoAssignmentType struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Optional. The time to live for an inactive license. After this time has
 // passed, the license will be automatically unassigned from the user. Must
 // be at least 7 days, if set. If unset, the license will never expire.
 InactiveLicenseTtl *durationpb.Duration
`protobuf:"bytes,1,opt,name=inactive_license_ttl,json=inactiveLicenseTtl,proto3"
json:"inactive_license_ttl,omitempty"`
}

func (x *AssignmentProtocol_AutoAssignmentType) Reset() {
 *x = AssignmentProtocol_AutoAssignmentType{}
 mi
 := &file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[12]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *AssignmentProtocol_AutoAssignmentType) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*AssignmentProtocol_AutoAssignmentType) ProtoMessage() {}

func (x *AssignmentProtocol_AutoAssignmentType) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[12]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}
```

```
// Deprecated: Use AssignmentProtocol_AutoAssignmentType.ProtoReflect.Descriptor instead.
func (*AssignmentProtocol_AutoAssignmentType) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
 []int{0, 1}
}

func (x *AssignmentProtocol_AutoAssignmentType) GetInactiveLicenseTtl() *durationpb.Duration {
 if x != nil {
  return x.InactiveLicenseTtl
 }
 return nil
}

var File_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto
protoreflect.FileDescriptor

var file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDesc =
[]byte{
 0x0a, 0x4e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2f, 0x63,
 0x6f, 0x6d, 0x6d, 0x65, 0x72, 0x63, 0x65, 0x2f, 0x63, 0x6f, 0x6e, 0x73, 0x75, 0x6d, 0x65, 0x72,
 0x2f, 0x70, 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x2f, 0x76, 0x31, 0x2f,
 0x6c, 0x69, 0x63, 0x65, 0x6e, 0x73, 0x65, 0x5f, 0x6d, 0x61, 0x6e, 0x61, 0x67, 0x65, 0x6d, 0x65,
 0x6e, 0x74, 0x5f, 0x73, 0x65, 0x72, 0x76, 0x69, 0x63, 0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f,
 0x12, 0x2d, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x63,
 0x6f,
 0x6d, 0x6d, 0x65, 0x72, 0x63, 0x65, 0x2e, 0x63, 0x6f, 0x6e, 0x73, 0x75, 0x6d, 0x65, 0x72,
 0x2e, 0x70, 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x2e, 0x76, 0x31, 0x1a,
 0x1c, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x61, 0x6e, 0x6e, 0x6f,
 0x74, 0x61, 0x74, 0x69, 0x6f, 0x6e, 0x73, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a, 0x17, 0x67,
 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x63, 0x6c, 0x69, 0x65, 0x6e, 0x74,
 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a, 0x1f, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61,
 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x62, 0x65, 0x68, 0x61, 0x76, 0x69, 0x6f,
 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a, 0x19, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f,
 0x61, 0x70, 0x69, 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75, 0x72, 0x63, 0x65, 0x2e, 0x70, 0x72, 0x6f,
 0x74, 0x6f, 0x1a, 0x1e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x70, 0x72, 0x6f, 0x74, 0x6f,
 0x62, 0x75, 0x66, 0x2f, 0x64,
 0x75, 0x72, 0x61, 0x74, 0x69, 0x6f, 0x6e, 0x2e, 0x70, 0x72, 0x6f,
 0x74, 0x6f, 0x1a, 0x20, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x70, 0x72, 0x6f, 0x74, 0x6f,
 0x62, 0x75, 0x66, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x6d, 0x61, 0x73, 0x6b, 0x2e, 0x70,
 0x72, 0x6f, 0x74, 0x6f, 0x1a, 0x1f, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x70, 0x72, 0x6f,
 0x74, 0x6f, 0x62, 0x75, 0x66, 0x2f, 0x74, 0x69, 0x6d, 0x65, 0x73, 0x74, 0x61, 0x6d, 0x70, 0x2e,
 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0xc3, 0x03, 0x0a, 0x12, 0x41, 0x73, 0x73, 0x69, 0x67, 0x6e,
 0x6d, 0x65, 0x6e, 0x74, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x63, 0x6f, 0x6c, 0x12, 0x8e, 0x01, 0x0a,
 0x16, 0x6d, 0x61, 0x6e, 0x75, 0x61, 0x6c, 0x5f, 0x61, 0x73, 0x73, 0x69, 0x67, 0x6e, 0x6d, 0x65,
 0x6e, 0x74, 0x5f, 0x74, 0x79, 0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0b, 0x32, 0x56, 0x2e,
 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x63, 0x6f, 0x6d,
 0x6d, 0x65, 0x72, 0x63, 0x65, 0x2e, 0x63, 0x6f, 0x6e, 0x73,
```

0x75, 0x6d, 0x65, 0x72, 0x2e, 0x70,
0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x2e, 0x76, 0x31, 0x2e, 0x41, 0x73,
0x73, 0x69, 0x67, 0x6e, 0x6d, 0x65, 0x6e, 0x74, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x63, 0x6f, 0x6c,
0x2e, 0x4d, 0x61, 0x6e, 0x75, 0x61, 0x6c, 0x41, 0x73, 0x73, 0x69, 0x67, 0x6e, 0x6d, 0x65, 0x6e,
0x74, 0x54, 0x79, 0x70, 0x65, 0x48, 0x00, 0x52, 0x14, 0x6d, 0x61, 0x6e, 0x75, 0x61, 0x6c, 0x41,
0x73, 0x73, 0x69, 0x67, 0x6e, 0x6d, 0x65, 0x6e, 0x74, 0x54, 0x79, 0x70, 0x65, 0x12, 0x88, 0x01,
0x0a, 0x14, 0x61, 0x75, 0x74, 0x6f, 0x5f, 0x61, 0x73, 0x73, 0x69, 0x67, 0x6e, 0x6d, 0x65, 0x6e,
0x74, 0x5f, 0x74, 0x79, 0x70, 0x65, 0x18, 0x03, 0x20, 0x01, 0x28, 0x0b, 0x32, 0x54, 0x2e, 0x67,
0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x63, 0x6f, 0x6d, 0x6d,
0x65, 0x72, 0x63, 0x65, 0x2e, 0x63, 0x6f, 0x6e, 0x73, 0x75, 0x6d, 0x65, 0x72, 0x2e, 0x70, 0x72,
0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x2e, 0x76, 0x31, 0x2e, 0x41, 0x73,
0x73,
0x69, 0x67, 0x6e, 0x6d, 0x65, 0x6e, 0x74, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x63, 0x6f, 0x6c, 0x2e,
0x41, 0x75, 0x74, 0x6f, 0x41, 0x73, 0x73, 0x69, 0x67, 0x6e, 0x6d, 0x65, 0x6e, 0x74, 0x54, 0x79,
0x70, 0x65, 0x48, 0x00, 0x52, 0x12, 0x61, 0x75, 0x74, 0x6f, 0x41, 0x73, 0x73, 0x69, 0x67, 0x6e,
0x6d, 0x65, 0x6e, 0x74, 0x54, 0x79, 0x70, 0x65, 0x1a, 0x16, 0x0a, 0x14, 0x4d, 0x61, 0x6e, 0x75,
0x61, 0x6c, 0x41, 0x73, 0x73, 0x69, 0x67, 0x6e, 0x6d, 0x65, 0x6e, 0x74, 0x54, 0x79, 0x70, 0x65,
0x1a, 0x66, 0x0a, 0x12, 0x41, 0x75, 0x74, 0x6f, 0x41, 0x73, 0x73, 0x69, 0x67, 0x6e, 0x6d, 0x65,
0x6e, 0x74, 0x54, 0x79, 0x70, 0x65, 0x12, 0x50, 0x0a, 0x14, 0x69, 0x6e, 0x61, 0x63, 0x74, 0x69,
0x76, 0x65, 0x5f, 0x6c, 0x69, 0x63, 0x65, 0x6e, 0x73, 0x65, 0x5f, 0x74, 0x74, 0x6c, 0x18, 0x01,
0x20, 0x01, 0x28, 0x0b, 0x32, 0x19, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x70, 0x72,
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0x70, 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e,
0x74, 0x2e, 0x76, 0x31, 0x2e, 0x4c,
0x69, 0x63, 0x65, 0x6e, 0x73, 0x65, 0x50, 0x6f, 0x6f, 0x6c, 0x22, 0x71, 0xda, 0x41, 0x18, 0x6c,
0x69, 0x63, 0x65, 0x6e, 0x73, 0x65, 0x5f, 0x70, 0x6f, 0x6f, 0x6c, 0x2c, 0x75, 0x70, 0x64, 0x61,
0x74, 0x65, 0x5f, 0x6d, 0x61, 0x73, 0x6b, 0x82, 0xd3, 0xe4, 0x93, 0x02, 0x50, 0x3a, 0x0c, 0x6c,
0x69, 0x63, 0x65, 0x6e, 0x73, 0x65, 0x5f, 0x70, 0x6f, 0x6f, 0x6c, 0x32, 0x40, 0x2f, 0x76, 0x31,
0x2f, 0x7b, 0x6c, 0x69, 0x63, 0x65, 0x6e, 0x73, 0x65, 0x5f, 0x70, 0x6f, 0x6f, 0x6c, 0x2e, 0x6e,
0x61, 0x6d, 0x65, 0x3d, 0x62, 0x69, 0x6c, 0x6c, 0x69, 0x6e, 0x67, 0x41, 0x63, 0x63, 0x6f, 0x75,
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0x0a, 0x06, 0x41, 0x73, 0x73, 0x69, 0x67, 0x6e, 0x12, 0x3c, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
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0x65,
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0x65, 0x6d, 0x65, 0x6e, 0x74, 0x2e, 0x76, 0x31, 0x2e, 0x41, 0x73, 0x73, 0x69, 0x67, 0x6e, 0x52,
0x65, 0x71, 0x75, 0x65, 0x73, 0x74, 0x1a, 0x3d, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e,
0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x63, 0x6f, 0x6d, 0x6d, 0x65, 0x72, 0x63, 0x65, 0x2e, 0x63,
0x6f, 0x6e, 0x73, 0x75, 0x6d, 0x65, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d,
0x65, 0x6e, 0x74, 0x2e, 0x76, 0x31, 0x2e, 0x41, 0x73, 0x73, 0x69, 0x67, 0x6e, 0x52, 0x65, 0x73,
0x70, 0x6f, 0x6e, 0x73, 0x65, 0x22, 0x58, 0xda, 0x41, 0x10, 0x70, 0x61, 0x72, 0x65, 0x6e, 0x74,
0x2c, 0x75, 0x73, 0x65, 0x72, 0x6e, 0x61, 0x6d, 0x65, 0x73, 0x82, 0xd3, 0xe4, 0x93, 0x02, 0x3f,
0x3a, 0x01, 0x2a, 0x22, 0x3a, 0x2f, 0x76, 0x31, 0x2f, 0x7b, 0x70, 0x61, 0x72, 0x65, 0x6e, 0x74,
0x3d, 0x62, 0x69, 0x6c, 0x6c, 0x69, 0x6e, 0x67, 0x41, 0x63, 0x63, 0x6f, 0x75, 0x6e, 0x74, 0x73,
0x2f, 0x2a, 0x2f, 0x6f,
0x72, 0x64, 0x65, 0x72, 0x73, 0x2f, 0x2a, 0x2f, 0x6c, 0x69, 0x63, 0x65,
0x6e, 0x73, 0x65, 0x50, 0x6f, 0x6f, 0x6c, 0x7d, 0x3a, 0x61, 0x73, 0x73, 0x69, 0x67, 0x6e, 0x12,
0xe7, 0x01, 0x0a, 0x08, 0x55, 0x6e, 0x61, 0x73, 0x73, 0x69, 0x67, 0x6e, 0x12, 0x3e, 0x2e, 0x67,
0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x63, 0x6f, 0x6d, 0x6d,
0x65, 0x72, 0x63, 0x65, 0x2e, 0x63, 0x6f, 0x6e, 0x73, 0x75, 0x6d, 0x65, 0x72, 0x2e, 0x70, 0x72,
0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x2e, 0x76, 0x31, 0x2e, 0x55, 0x6e, 0x61,
0x73, 0x73, 0x69, 0x67, 0x6e, 0x52, 0x65, 0x71, 0x75, 0x65, 0x73, 0x74, 0x1a, 0x3f, 0x2e, 0x67,
0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x63, 0x6f, 0x6d, 0x6d,
0x65, 0x72, 0x63, 0x65, 0x2e, 0x63, 0x6f, 0x6e, 0x73, 0x75, 0x6d, 0x65, 0x72, 0x2e, 0x70, 0x72,
0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x2e, 0x76, 0x31, 0x2e, 0x55, 0x6e, 0x61,
0x73, 0x73, 0x69, 0x67, 0x6e, 0x52, 0x65, 0x73, 0x70,
0x6f, 0x6e, 0x73, 0x65, 0x22, 0x5a, 0xda,
0x41, 0x10, 0x70, 0x61, 0x72, 0x65, 0x6e, 0x74, 0x2c, 0x75, 0x73, 0x65, 0x72, 0x6e, 0x61, 0x6d,
0x65, 0x73, 0x82, 0xd3, 0xe4, 0x93, 0x02, 0x41, 0x3a, 0x01, 0x2a, 0x22, 0x3c, 0x2f, 0x76, 0x31,
0x2f, 0x7b, 0x70, 0x61, 0x72, 0x65, 0x6e, 0x74, 0x3d, 0x62, 0x69, 0x6c, 0x6c, 0x69, 0x6e, 0x67,
0x41, 0x63, 0x63, 0x6f, 0x75, 0x6e, 0x74, 0x73, 0x2f, 0x2a, 0x2f, 0x6f, 0x72, 0x64, 0x65, 0x72,
0x73, 0x2f, 0x2a, 0x2f, 0x6c, 0x69, 0x63, 0x65, 0x6e, 0x73, 0x65, 0x50, 0x6f, 0x6f, 0x6c, 0x7d,
0x3a, 0x75, 0x6e, 0x61, 0x73, 0x73, 0x69, 0x67, 0x6e, 0x12, 0x92, 0x02, 0x0a, 0x16, 0x45, 0x6e,
0x75, 0x6d, 0x65, 0x72, 0x61, 0x74, 0x65, 0x4c, 0x69, 0x63, 0x65, 0x6e, 0x73, 0x65, 0x64, 0x55,
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0x6f, 0x75, 0x64, 0x2e, 0x63, 0x6f, 0x6d, 0x6d, 0x65, 0x72, 0x63, 0x65, 0x2e, 0x63, 0x6f, 0x6e,
0x73, 0x75, 0x6d, 0x65, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d,

```
0x65, 0x6e,
0x74, 0x2e, 0x76, 0x31, 0x2e, 0x45, 0x6e, 0x75, 0x6d, 0x65, 0x72, 0x61, 0x74, 0x65, 0x4c, 0x69,
0x63, 0x65, 0x6e, 0x73, 0x65, 0x64, 0x55, 0x73, 0x65, 0x72, 0x73, 0x52, 0x65, 0x71, 0x75, 0x65,
0x73, 0x74, 0x1a, 0x4d, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6c, 0x6f, 0x75,
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0x6d, 0x65, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x2e,
0x76, 0x31, 0x2e, 0x45, 0x6e, 0x75, 0x6d, 0x65, 0x72, 0x61, 0x74, 0x65, 0x4c, 0x69, 0x63, 0x65,
0x6e, 0x73, 0x65, 0x64, 0x55, 0x73, 0x65, 0x72, 0x73, 0x52, 0x65, 0x73, 0x70, 0x6f, 0x6e, 0x73,
0x65, 0x22, 0x5b, 0xda, 0x41, 0x06, 0x70, 0x61, 0x72, 0x65, 0x6e, 0x74, 0x82, 0xd3, 0xe4, 0x93,
0x02, 0x4c, 0x12, 0x4a, 0x2f, 0x76, 0x31, 0x2f, 0x7b, 0x70, 0x61, 0x72, 0x65, 0x6e, 0x74, 0x3d,
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0x2a, 0x2f, 0x6f,
0x72, 0x64, 0x65, 0x72, 0x73, 0x2f, 0x2a, 0x2f, 0x6c, 0x69, 0x63, 0x65, 0x6e,
0x73, 0x65, 0x50, 0x6f, 0x6f, 0x6c, 0x7d, 0x3a, 0x65, 0x6e, 0x75, 0x6d, 0x65, 0x72, 0x61, 0x74,
0x65, 0x4c, 0x69, 0x63, 0x65, 0x6e, 0x73, 0x65, 0x64, 0x55, 0x73, 0x65, 0x72, 0x73, 0x1a, 0x63,
0xca, 0x41, 0x2f, 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x63, 0x6f, 0x6d, 0x6d, 0x65, 0x72, 0x63, 0x65,
0x63, 0x6f, 0x6e, 0x73, 0x75, 0x6d, 0x65, 0x72, 0x70, 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d,
0x65, 0x6e, 0x74, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73, 0x2e, 0x63,
0x6f, 0x6d, 0xd2, 0x41, 0x2e, 0x68, 0x74, 0x74, 0x70, 0x73, 0x3a, 0x2f, 0x2f, 0x77, 0x77, 0x77,
0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73, 0x2e, 0x63, 0x6f, 0x6d, 0x2f,
0x61, 0x75, 0x74, 0x68, 0x2f, 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2d, 0x70, 0x6c, 0x61, 0x74, 0x66,
0x6f, 0x72, 0x6d, 0x42, 0xbe, 0x02, 0x0a, 0x31, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67,
0x6c, 0x65, 0x2e, 0x63, 0x6c, 0x6f, 0x75, 0x64,
0x2e, 0x63, 0x6f, 0x6d, 0x6d, 0x65, 0x72, 0x63,
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0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x2e, 0x76, 0x31, 0x42, 0x1d, 0x4c, 0x69, 0x63, 0x65, 0x6e,
0x73, 0x65, 0x4d, 0x61, 0x6e, 0x61, 0x67, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x53, 0x65, 0x72, 0x76,
0x69, 0x63, 0x65, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x50, 0x01, 0x5a, 0x53, 0x63, 0x6c, 0x6f, 0x75,
0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6f, 0x6d, 0x2f, 0x67, 0x6f, 0x2f,
0x63, 0x6f, 0x6d, 0x6d, 0x65, 0x72, 0x63, 0x65, 0x2f, 0x63, 0x6f, 0x6e, 0x73, 0x75, 0x6d, 0x65,
0x72, 0x2f, 0x70, 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x2f, 0x61, 0x70,
0x69, 0x76, 0x31, 0x2f, 0x70, 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x70,
0x62, 0x3b, 0x70, 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x70, 0x62, 0xaa,
0x02, 0x2d, 0x47, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x43, 0x6c, 0x6f, 0x75,
0x64, 0x2e, 0x43,
0x6f, 0x6d, 0x6d, 0x65, 0x72, 0x63, 0x65, 0x2e, 0x43, 0x6f, 0x6e, 0x73, 0x75, 0x6d, 0x65, 0x72,
0x2e, 0x50, 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x2e, 0x56, 0x31, 0xca,
0x02, 0x2d, 0x47, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x5c, 0x43, 0x6c, 0x6f, 0x75, 0x64, 0x5c, 0x43,
0x6f, 0x6d, 0x6d, 0x65, 0x72, 0x63, 0x65, 0x5c, 0x43, 0x6f, 0x6e, 0x73, 0x75, 0x6d, 0x65, 0x72,
0x5c, 0x50, 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x5c, 0x56, 0x31, 0xea,
0x02, 0x32, 0x47, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x3a, 0x3a, 0x43, 0x6c, 0x6f, 0x75, 0x64, 0x3a,
0x3a, 0x43, 0x6f, 0x6d, 0x6d, 0x65, 0x72, 0x63, 0x65, 0x3a, 0x3a, 0x43, 0x6f, 0x6e, 0x73, 0x75,
0x6d, 0x65, 0x72, 0x3a, 0x3a, 0x50, 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74,
0x3a, 0x3a, 0x56, 0x31, 0x62, 0x06, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescOnce
```

```
sync.Once
 file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescData
 = file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDesc
)

func
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP()
[]byte {
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescOnce.Do(f
unc() {
  file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_cloud_commerce_consumer_procurement_v1_license_management_servi
ce_proto_rawDescData)
 })
 return file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescData
}

var file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes =
make([]protoimpl.MessageInfo, 13)
var file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_goTypes =
[]any{
 (*AssignmentProtocol)(nil),
                    // 0: google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol
 (*LicensePool)(nil),                        // 1: google.cloud.commerce.consumer.procurement.v1.LicensePool
 (*GetLicensePoolRequest)(nil),                  // 2:
google.cloud.commerce.consumer.procurement.v1.GetLicensePoolRequest
 (*UpdateLicensePoolRequest)(nil),               // 3:
google.cloud.commerce.consumer.procurement.v1.UpdateLicensePoolRequest
 (*AssignRequest)(nil),                      // 4: google.cloud.commerce.consumer.procurement.v1.AssignRequest
 (*AssignResponse)(nil),                      // 5: google.cloud.commerce.consumer.procurement.v1.AssignResponse
 (*UnassignRequest)(nil),                     // 6: google.cloud.commerce.consumer.procurement.v1.UnassignRequest
 (*UnassignResponse)(nil),                     // 7: google.cloud.commerce.consumer.procurement.v1.UnassignResponse
 (*EnumerateLicensedUsersRequest)(nil),          // 8:
google.cloud.commerce.consumer.procurement.v1.EnumerateLicensedUsersRequest
 (*LicensedUser)(nil),
                        // 9: google.cloud.commerce.consumer.procurement.v1.LicensedUser
 (*EnumerateLicensedUsersResponse)(nil),         // 10:
google.cloud.commerce.consumer.procurement.v1.EnumerateLicensedUsersResponse
 (*AssignmentProtocol_ManualAssignmentType)(nil), // 11:
google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.ManualAssignmentType
 (*AssignmentProtocol_AutoAssignmentType)(nil),   // 12:
google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.AutoAssignmentType
 (*fieldmaskpb.FieldMask)(nil),                  // 13: google.protobuf.FieldMask
 (*timestamppb.Timestamp)(nil),                   // 14: google.protobuf.Timestamp
 (*durationpb.Duration)(nil),                    // 15: google.protobuf.Duration
}
var file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_depIdxs =
[]int32{
```

```
 11, // 0:
google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.manual_assignment_type:type_name
 -> google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.ManualAssignmentType
 12, // 1: google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.auto_assignment_type:type_name -
> google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.AutoAssignmentType
 0,  // 2: google.cloud.commerce.consumer.procurement.v1.LicensePool.license_assignment_protocol:type_name ->
google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol
 1,  // 3: google.cloud.commerce.consumer.procurement.v1.UpdateLicensePoolRequest.license_pool:type_name ->
google.cloud.commerce.consumer.procurement.v1.LicensePool
 13, // 4: google.cloud.commerce.consumer.procurement.v1.UpdateLicensePoolRequest.update_mask:type_name ->
google.protobuf.FieldMask
 14, // 5: google.cloud.commerce.consumer.procurement.v1.LicensedUser.assign_time:type_name ->
google.protobuf.Timestamp
 14, // 6: google.cloud.commerce.consumer.procurement.v1.LicensedUser.recent_usage_time:type_name
 -> google.protobuf.Timestamp
 9,  // 7:
google.cloud.commerce.consumer.procurement.v1.EnumerateLicensedUsersResponse.licensed_users:type_name ->
google.cloud.commerce.consumer.procurement.v1.LicensedUser
 15, // 8:
google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.AutoAssignmentType.inactive_license_ttl:t
ype_name -> google.protobuf.Duration
 2,  // 9: google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.GetLicensePool:input_type -
> google.cloud.commerce.consumer.procurement.v1.GetLicensePoolRequest
 3,  // 10:
google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.UpdateLicensePool:input_type ->
google.cloud.commerce.consumer.procurement.v1.UpdateLicensePoolRequest
 4,  // 11: google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.Assign:input_type ->
google.cloud.commerce.consumer.procurement.v1.AssignRequest
 6,  // 12: google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.Unassign:input_type
 -> google.cloud.commerce.consumer.procurement.v1.UnassignRequest
 8,  // 13:
google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.EnumerateLicensedUsers:input_typ
e -> google.cloud.commerce.consumer.procurement.v1.EnumerateLicensedUsersRequest
 1,  // 14:
google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.GetLicensePool:output_type ->
google.cloud.commerce.consumer.procurement.v1.LicensePool
 1,  // 15:
google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.UpdateLicensePool:output_type ->
google.cloud.commerce.consumer.procurement.v1.LicensePool
 5,  // 16: google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.Assign:output_type ->
google.cloud.commerce.consumer.procurement.v1.AssignResponse
 7,  // 17: google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.Unassign:output_type ->
google.cloud.commerce.consumer.procurement.v1.UnassignResponse
 10, // 18:
google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.EnumerateLicensedUsers:output_ty
pe
 -> google.cloud.commerce.consumer.procurement.v1.EnumerateLicensedUsersResponse
 14, // [14:19] is the sub-list for method output_type
```

```
 9,  // [9:14] is the sub-list for method input_type
 9,  // [9:9] is the sub-list for extension type_name
 9,  // [9:9] is the sub-list for extension extendee
 0,  // [0:9] is the sub-list for field type_name
}

func init() {
 file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_init()
}
func file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_init() {
 if File_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto != nil {
  return
 }
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[0].OneofWrappers = []any{
  (*AssignmentProtocol_ManualAssignmentType_)(nil),
  (*AssignmentProtocol_AutoAssignmentType_)(nil),
 }
 type x struct{}
 out := protoimpl.TypeBuilder{
  File:
 protoimpl.DescBuilder{
   GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
   RawDescriptor:
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDesc,
   NumEnums:      0,
   NumMessages:   13,
   NumExtensions: 0,
   NumServices:   1,
  },
  GoTypes:
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_goTypes,
  DependencyIndexes:
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_depIdxs,
  MessageInfos:
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes,
 }.Build()
 File_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto = out.File
 file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDesc = nil
 file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_goTypes = nil
 file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_depIdxs
 = nil
}

// Reference imports to suppress errors if they are not otherwise used.
var _ context.Context
var _ grpc.ClientConnInterface
```

```
// This is a compile-time assertion to ensure that this generated file
// is compatible with the grpc package it is being compiled against.
const _ = grpc.SupportPackageIsVersion6

// LicenseManagementServiceClient is the client API for LicenseManagementService service.
//
// For semantics around ctx use and closing/ending streaming RPCs, please refer to
https://godoc.org/google.golang.org/grpc#ClientConn.NewStream.
type LicenseManagementServiceClient interface {
 // Gets the license pool.
 GetLicensePool(ctx context.Context, in *GetLicensePoolRequest, opts ...grpc.CallOption) (*LicensePool, error)
 // Updates the license pool if one exists for this Order.
 UpdateLicensePool(ctx context.Context, in *UpdateLicensePoolRequest, opts ...grpc.CallOption) (*LicensePool,
error)
 // Assigns a license to a user.
 Assign(ctx
 context.Context, in *AssignRequest, opts ...grpc.CallOption) (*AssignResponse, error)
 // Unassigns a license from a user.
 Unassign(ctx context.Context, in *UnassignRequest, opts ...grpc.CallOption) (*UnassignResponse, error)
 // Enumerates all users assigned a license.
 EnumerateLicensedUsers(ctx context.Context, in *EnumerateLicensedUsersRequest, opts ...grpc.CallOption)
(*EnumerateLicensedUsersResponse, error)
}

type licenseManagementServiceClient struct {
 cc grpc.ClientConnInterface
}

func NewLicenseManagementServiceClient(cc grpc.ClientConnInterface) LicenseManagementServiceClient {
 return &licenseManagementServiceClient{cc}
}

func (c *licenseManagementServiceClient) GetLicensePool(ctx context.Context, in *GetLicensePoolRequest, opts
...grpc.CallOption) (*LicensePool, error) {
 out := new(LicensePool)
 err := c.cc.Invoke(ctx,
"/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/GetLicensePool", in, out, opts...)
 if err != nil {
  return nil, err
 }
 return
 out, nil
}

func (c *licenseManagementServiceClient) UpdateLicensePool(ctx context.Context, in
*UpdateLicensePoolRequest, opts ...grpc.CallOption) (*LicensePool, error) {
 out := new(LicensePool)
 err := c.cc.Invoke(ctx,
```

```
"/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/UpdateLicensePool", in, out,
opts...)
 if err != nil {
  return nil, err
 }
 return out, nil
}

func (c *licenseManagementServiceClient) Assign(ctx context.Context, in *AssignRequest, opts ...grpc.CallOption)
(*AssignResponse, error) {
 out := new(AssignResponse)
 err := c.cc.Invoke(ctx, "/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/Assign", in,
out, opts...)
 if err != nil {
  return nil, err
 }
 return out, nil
}

func (c *licenseManagementServiceClient) Unassign(ctx context.Context, in *UnassignRequest, opts
...grpc.CallOption) (*UnassignResponse, error) {
 out := new(UnassignResponse)
 err := c.cc.Invoke(ctx, "/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/Unassign",
 in, out, opts...)
 if err != nil {
  return nil, err
 }
 return out, nil
}

func (c *licenseManagementServiceClient) EnumerateLicensedUsers(ctx context.Context, in
*EnumerateLicensedUsersRequest, opts ...grpc.CallOption) (*EnumerateLicensedUsersResponse, error) {
 out := new(EnumerateLicensedUsersResponse)
 err := c.cc.Invoke(ctx,
"/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/EnumerateLicensedUsers", in, out,
opts...)
 if err != nil {
  return nil, err
 }
 return out, nil
}

// LicenseManagementServiceServer is the server API for LicenseManagementService service.
type LicenseManagementServiceServer interface {
 // Gets the license pool.
 GetLicensePool(context.Context, *GetLicensePoolRequest) (*LicensePool, error)
 // Updates the license pool if one exists for this Order.
 UpdateLicensePool(context.Context, *UpdateLicensePoolRequest) (*LicensePool, error)
```

```
 // Assigns a license to a user.
 Assign(context.Context, *AssignRequest)
 (*AssignResponse, error)
 // Unassigns a license from a user.
 Unassign(context.Context, *UnassignRequest) (*UnassignResponse, error)
 // Enumerates all users assigned a license.
 EnumerateLicensedUsers(context.Context, *EnumerateLicensedUsersRequest)
(*EnumerateLicensedUsersResponse, error)
}

// UnimplementedLicenseManagementServiceServer can be embedded to have forward compatible
implementations.
type UnimplementedLicenseManagementServiceServer struct {
}

func (*UnimplementedLicenseManagementServiceServer) GetLicensePool(context.Context,
*GetLicensePoolRequest) (*LicensePool, error) {
 return nil, status.Errorf(codes.Unimplemented, "method GetLicensePool not implemented")
}
func (*UnimplementedLicenseManagementServiceServer) UpdateLicensePool(context.Context,
*UpdateLicensePoolRequest) (*LicensePool, error) {
 return nil, status.Errorf(codes.Unimplemented, "method UpdateLicensePool not implemented")
}
func (*UnimplementedLicenseManagementServiceServer) Assign(context.Context, *AssignRequest)
 (*AssignResponse, error) {
 return nil, status.Errorf(codes.Unimplemented, "method Assign not implemented")
}
func (*UnimplementedLicenseManagementServiceServer) Unassign(context.Context, *UnassignRequest)
(*UnassignResponse, error) {
 return nil, status.Errorf(codes.Unimplemented, "method Unassign not implemented")
}
func (*UnimplementedLicenseManagementServiceServer) EnumerateLicensedUsers(context.Context,
*EnumerateLicensedUsersRequest) (*EnumerateLicensedUsersResponse, error) {
 return nil, status.Errorf(codes.Unimplemented, "method EnumerateLicensedUsers not implemented")
}

func RegisterLicenseManagementServiceServer(s *grpc.Server, srv LicenseManagementServiceServer) {
 s.RegisterService(&_LicenseManagementService_serviceDesc, srv)
}

func _LicenseManagementService_GetLicensePool_Handler(srv interface{}, ctx context.Context, dec
func(interface{}) error, interceptor grpc.UnaryServerInterceptor) (interface{}, error) {
 in := new(GetLicensePoolRequest)
 if err := dec(in);
 err != nil {
  return nil, err
 }
 if interceptor == nil {
```

```
 return srv.(LicenseManagementServiceServer).GetLicensePool(ctx, in)
 }
 info := &grpc.UnaryServerInfo{
  Server:     srv,
  FullMethod: "/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/GetLicensePool",
 }
 handler := func(ctx context.Context, req interface{}) (interface{}, error) {
  return srv.(LicenseManagementServiceServer).GetLicensePool(ctx, req.(*GetLicensePoolRequest))
 }
 return interceptor(ctx, in, info, handler)
}

func _LicenseManagementService_UpdateLicensePool_Handler(srv interface{}, ctx context.Context, dec
func(interface{}) error, interceptor grpc.UnaryServerInterceptor) (interface{}, error) {
 in := new(UpdateLicensePoolRequest)
 if err := dec(in); err != nil {
  return nil, err
 }
 if interceptor == nil {
  return srv.(LicenseManagementServiceServer).UpdateLicensePool(ctx, in)
 }
 info := &grpc.UnaryServerInfo{
  Server:     srv,
  FullMethod: "/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/UpdateLicensePool",
 }
 handler
 := func(ctx context.Context, req interface{}) (interface{}, error) {
  return srv.(LicenseManagementServiceServer).UpdateLicensePool(ctx, req.(*UpdateLicensePoolRequest))
 }
 return interceptor(ctx, in, info, handler)
}

func _LicenseManagementService_Assign_Handler(srv interface{}, ctx context.Context, dec func(interface{})
error, interceptor grpc.UnaryServerInterceptor) (interface{}, error) {
 in := new(AssignRequest)
 if err := dec(in); err != nil {
  return nil, err
 }
 if interceptor == nil {
  return srv.(LicenseManagementServiceServer).Assign(ctx, in)
 }
 info := &grpc.UnaryServerInfo{
  Server:     srv,
  FullMethod: "/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/Assign",
 }
 handler := func(ctx context.Context, req interface{}) (interface{}, error) {
  return srv.(LicenseManagementServiceServer).Assign(ctx, req.(*AssignRequest))
 }
```

```
 return interceptor(ctx, in, info, handler)
}

func _LicenseManagementService_Unassign_Handler(srv
 interface{}, ctx context.Context, dec func(interface{}) error, interceptor grpc.UnaryServerInterceptor) (interface{},
error) {
 in := new(UnassignRequest)
 if err := dec(in); err != nil {
  return nil, err
 }
 if interceptor == nil {
  return srv.(LicenseManagementServiceServer).Unassign(ctx, in)
 }
 info := &grpc.UnaryServerInfo{
  Server:     srv,
  FullMethod: "/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/Unassign",
 }
 handler := func(ctx context.Context, req interface{}) (interface{}, error) {
  return srv.(LicenseManagementServiceServer).Unassign(ctx, req.(*UnassignRequest))
 }
 return interceptor(ctx, in, info, handler)
}

func _LicenseManagementService_EnumerateLicensedUsers_Handler(srv interface{}, ctx context.Context, dec
func(interface{}) error, interceptor grpc.UnaryServerInterceptor) (interface{}, error) {
 in := new(EnumerateLicensedUsersRequest)
 if err := dec(in); err != nil {
  return nil, err
 }
 if
 interceptor == nil {
  return srv.(LicenseManagementServiceServer).EnumerateLicensedUsers(ctx, in)
 }
 info := &grpc.UnaryServerInfo{
  Server:     srv,
  FullMethod:
"/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/EnumerateLicensedUsers",
 }
 handler := func(ctx context.Context, req interface{}) (interface{}, error) {
  return srv.(LicenseManagementServiceServer).EnumerateLicensedUsers(ctx,
req.(*EnumerateLicensedUsersRequest))
 }
 return interceptor(ctx, in, info, handler)
}

var _LicenseManagementService_serviceDesc = grpc.ServiceDesc{
 ServiceName: "google.cloud.commerce.consumer.procurement.v1.LicenseManagementService",
 HandlerType: (*LicenseManagementServiceServer)(nil),
```

```
Methods: []grpc.MethodDesc{
 {
  MethodName: "GetLicensePool",
  Handler:    _LicenseManagementService_GetLicensePool_Handler,
 },
 {
  MethodName: "UpdateLicensePool",
  Handler:    _LicenseManagementService_UpdateLicensePool_Handler,
 },
 {
  MethodName: "Assign",
  Handler:
   _LicenseManagementService_Assign_Handler,
 },
 {
  MethodName: "Unassign",
  Handler:    _LicenseManagementService_Unassign_Handler,
 },
 {
  MethodName: "EnumerateLicensedUsers",
  Handler:    _LicenseManagementService_EnumerateLicensedUsers_Handler,
 },
},
Streams:  []grpc.StreamDesc{},
Metadata: "google/cloud/commerce/consumer/procurement/v1/license_management_service.proto",
}
```

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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
//  protoc-gen-go v1.35.2
//  protoc        v4.25.3
// source: google/ai/generativelanguage/v1beta/permission.proto

package generativelanguagepb

import (
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
)

const
 (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Defines types of the grantee of this permission.
type Permission_GranteeType int32

const (
 // The default value. This value is unused.
 Permission_GRANTEE_TYPE_UNSPECIFIED Permission_GranteeType = 0
 // Represents a user. When set, you must provide email_address for the user.
 Permission_USER Permission_GranteeType = 1
 // Represents a group. When set, you must provide email_address for the
 // group.
 Permission_GROUP Permission_GranteeType = 2
 // Represents access to everyone. No extra information is required.
```

```
 Permission_EVERYONE Permission_GranteeType = 3
)

// Enum value maps for Permission_GranteeType.
var (
 Permission_GranteeType_name = map[int32]string{
  0: "GRANTEE_TYPE_UNSPECIFIED",
  1: "USER",
  2:
 "GROUP",
  3: "EVERYONE",
 }
 Permission_GranteeType_value = map[string]int32{
  "GRANTEE_TYPE_UNSPECIFIED": 0,
  "USER":                     1,
  "GROUP":                    2,
  "EVERYONE":                 3,
 }
)

func (x Permission_GranteeType) Enum() *Permission_GranteeType {
 p := new(Permission_GranteeType)
 *p = x
 return p
}

func (x Permission_GranteeType) String() string {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_GranteeType) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0].Descriptor()
}

func (Permission_GranteeType) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0]
}

func (x Permission_GranteeType) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_GranteeType.Descriptor instead.
func (Permission_GranteeType) EnumDescriptor() ([]byte,
 []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 0}
}
```

```
// Defines the role granted by this permission.
type Permission_Role int32

const (
 // The default value. This value is unused.
 Permission_ROLE_UNSPECIFIED Permission_Role = 0
 // Owner can use, update, share and delete the resource.
 Permission_OWNER Permission_Role = 1
 // Writer can use, update and share the resource.
 Permission_WRITER Permission_Role = 2
 // Reader can use the resource.
 Permission_READER Permission_Role = 3
)

// Enum value maps for Permission_Role.
var (
 Permission_Role_name = map[int32]string{
  0: "ROLE_UNSPECIFIED",
  1: "OWNER",
  2: "WRITER",
  3: "READER",
 }
 Permission_Role_value = map[string]int32{
  "ROLE_UNSPECIFIED": 0,
  "OWNER":            1,
  "WRITER":           2,
  "READER":           3,
 }
)

func (x Permission_Role) Enum() *Permission_Role {
 p := new(Permission_Role)
 *p = x
 return p
}

func (x Permission_Role) String() string {
 return
 protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_Role) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1].Descriptor()
}

func (Permission_Role) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1]
}
```

```
func (x Permission_Role) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_Role.Descriptor instead.
func (Permission_Role) EnumDescriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 1}
}

// Permission resource grants user, group or the rest of the world access to the
// PaLM API resource (e.g. a tuned model, corpus).
//
// A role is a collection of permitted operations that allows users to perform
// specific actions on PaLM API resources. To make them available to users,
// groups, or service accounts,
 you assign roles. When you assign a role, you
// grant permissions that the role contains.
//
// There are three concentric roles. Each role is a superset of the previous
// role's permitted operations:
//
// - reader can use the resource (e.g. tuned model, corpus) for inference
// - writer has reader's permissions and additionally can edit and share
// - owner has writer's permissions and additionally can delete
type Permission struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Output only. Identifier. The permission name. A unique name will be
 // generated on create. Examples:
 //
 // tunedModels/{tuned_model}/permissions/{permission}
 // corpora/{corpus}/permissions/{permission}
 //
 // Output only.
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Optional. Immutable. The type of the grantee.
 GranteeType *Permission_GranteeType
`protobuf:"varint,2,opt,name=grantee_type,json=granteeType,proto3,enum=google.ai.generativelanguage.v1beta.Pe
rmission_GranteeType,oneof"
 json:"grantee_type,omitempty"`
 // Optional. Immutable. The email address of the user of group which this
 // permission refers. Field is not set when permission's grantee type is
 // EVERYONE.
 EmailAddress *string `protobuf:"bytes,3,opt,name=email_address,json=emailAddress,proto3,oneof"
json:"email_address,omitempty"`
```

```
 // Required. The role granted by this permission.
 Role *Permission_Role
`protobuf:"varint,4,opt,name=role,proto3,enum=google.ai.generativelanguage.v1beta.Permission_Role,oneof"
json:"role,omitempty"`
}

func (x *Permission) Reset() {
 *x = Permission{}
 mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *Permission) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*Permission) ProtoMessage() {}

func (x *Permission) ProtoReflect() protoreflect.Message
 {
 mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use Permission.ProtoReflect.Descriptor instead.
func (*Permission) Descriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0}
}

func (x *Permission) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *Permission) GetGranteeType() Permission_GranteeType {
 if x != nil && x.GranteeType != nil {
  return *x.GranteeType
 }
```

```
 return Permission_GRANTEE_TYPE_UNSPECIFIED
}

func (x *Permission) GetEmailAddress() string {
 if x != nil && x.EmailAddress != nil {
  return *x.EmailAddress
 }
 return ""
}

func (x *Permission) GetRole() Permission_Role {
 if x != nil && x.Role != nil {
  return *x.Role
 }
 return Permission_ROLE_UNSPECIFIED
}

var
 File_google_ai_generativelanguage_v1beta_permission_proto protoreflect.FileDescriptor

var file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = []byte{
 0x0a, 0x34, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x23, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x1a, 0x1f, 0x67, 0x6f, 0x6f,
 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x62, 0x65,
 0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a, 0x19, 0x67, 0x6f,
 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69,
 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75, 0x72, 0x63,
 0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0x85, 0x05, 0x0a, 0x0a, 0x50, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x1a, 0x0a, 0x04, 0x6e, 0x61, 0x6d, 0x65, 0x18, 0x01,
 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x03, 0xe0, 0x41, 0x08, 0x52, 0x04, 0x6e, 0x61,
 0x6d, 0x65, 0x12, 0x6b, 0x0a, 0x0c, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f, 0x74, 0x79,
 0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0e, 0x32, 0x3b, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c,
 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65,
 0x65, 0x54, 0x79, 0x70, 0x65, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x00, 0x52,
 0x0b, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x88,
 0x01, 0x01, 0x12,
 0x30, 0x0a, 0x0d, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73,
 0x18, 0x03, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x01,
 0x52, 0x0c, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x41, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73, 0x88, 0x01,
 0x01, 0x12, 0x52, 0x0a, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x18, 0x04, 0x20, 0x01, 0x28, 0x0e, 0x32,
 0x34, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76,
```

```
0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
0x2e, 0x52, 0x6f, 0x6c, 0x65, 0x42, 0x03, 0xe0, 0x41, 0x02, 0x48, 0x02, 0x52, 0x04, 0x72, 0x6f,
0x6c, 0x65, 0x88, 0x01, 0x01, 0x22, 0x4e, 0x0a, 0x0b, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65,
0x54, 0x79, 0x70, 0x65, 0x12, 0x1c, 0x0a, 0x18, 0x47, 0x52, 0x41, 0x4e, 0x54, 0x45, 0x45, 0x5f,
0x54,
0x59, 0x50, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45, 0x44,
0x10, 0x00, 0x12, 0x08, 0x0a, 0x04, 0x55, 0x53, 0x45, 0x52, 0x10, 0x01, 0x12, 0x09, 0x0a, 0x05,
0x47, 0x52, 0x4f, 0x55, 0x50, 0x10, 0x02, 0x12, 0x0c, 0x0a, 0x08, 0x45, 0x56, 0x45, 0x52, 0x59,
0x4f, 0x4e, 0x45, 0x10, 0x03, 0x22, 0x3f, 0x0a, 0x04, 0x52, 0x6f, 0x6c, 0x65, 0x12, 0x14, 0x0a,
0x10, 0x52, 0x4f, 0x4c, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45,
0x44, 0x10, 0x00, 0x12, 0x09, 0x0a, 0x05, 0x4f, 0x57, 0x4e, 0x45, 0x52, 0x10, 0x01, 0x12, 0x0a,
0x0a, 0x06, 0x57, 0x52, 0x49, 0x54, 0x45, 0x52, 0x10, 0x02, 0x12, 0x0a, 0x0a, 0x06, 0x52, 0x45,
0x41, 0x44, 0x45, 0x52, 0x10, 0x03, 0x3a, 0xaa, 0x01, 0xea, 0x41, 0xa6, 0x01, 0x0a, 0x2c, 0x67,
0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67,
0x65, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73, 0x2e, 0x63, 0x6f, 0x6d,
0x2f, 0x50, 0x65, 0x72, 0x6d, 0x69,
0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x32, 0x74, 0x75, 0x6e,
0x65, 0x64, 0x4d, 0x6f, 0x64, 0x65, 0x6c, 0x73, 0x2f, 0x7b, 0x74, 0x75, 0x6e, 0x65, 0x64, 0x5f,
0x6d, 0x6f, 0x64, 0x65, 0x6c, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f,
0x6e, 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x12,
0x29, 0x63, 0x6f, 0x72, 0x70, 0x6f, 0x72, 0x61, 0x2f, 0x7b, 0x63, 0x6f, 0x72, 0x70, 0x75, 0x73,
0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x2f, 0x7b, 0x70,
0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x2a, 0x0b, 0x70, 0x65, 0x72, 0x6d,
0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x32, 0x0a, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73,
0x69, 0x6f, 0x6e, 0x42, 0x0f, 0x0a, 0x0d, 0x5f, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f,
0x74, 0x79, 0x70, 0x65, 0x42, 0x10, 0x0a, 0x0e, 0x5f, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61,
0x64, 0x64, 0x72, 0x65, 0x73, 0x73, 0x42, 0x07, 0x0a, 0x05, 0x5f,
0x72, 0x6f, 0x6c, 0x65, 0x42,
0x9b, 0x01, 0x0a, 0x27, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x42, 0x0f, 0x50, 0x65, 0x72,
0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x50, 0x01, 0x5a, 0x5d,
0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6f, 0x6d,
0x2f, 0x67, 0x6f, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76,
0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x76, 0x31, 0x62,
0x65, 0x74, 0x61, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61,
0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x3b, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74,
0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x62, 0x06, 0x70,
0x72,
0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce sync.Once
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc
)
```

```
func file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP() []byte {
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce.Do(func() {
  file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData)
 })
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData
}

var file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes = make([]protoimpl.EnumInfo, 2)
var file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes = make([]protoimpl.MessageInfo, 1)
var file_google_ai_generativelanguage_v1beta_permission_proto_goTypes = []any{
 (Permission_GranteeType)(0),
 // 0: google.ai.generativelanguage.v1beta.Permission.GranteeType
 (Permission_Role)(0),        // 1: google.ai.generativelanguage.v1beta.Permission.Role
 (*Permission)(nil),          // 2: google.ai.generativelanguage.v1beta.Permission
}
var file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = []int32{
 0, // 0: google.ai.generativelanguage.v1beta.Permission.grantee_type:type_name ->
google.ai.generativelanguage.v1beta.Permission.GranteeType
 1, // 1: google.ai.generativelanguage.v1beta.Permission.role:type_name ->
google.ai.generativelanguage.v1beta.Permission.Role
 2, // [2:2] is the sub-list for method output_type
 2, // [2:2] is the sub-list for method input_type
 2, // [2:2] is the sub-list for extension type_name
 2, // [2:2] is the sub-list for extension extendee
 0, // [0:2] is the sub-list for field type_name
}

func init() { file_google_ai_generativelanguage_v1beta_permission_proto_init() }
func file_google_ai_generativelanguage_v1beta_permission_proto_init()
 {
 if File_google_ai_generativelanguage_v1beta_permission_proto != nil {
  return
 }
 file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].OneofWrappers = []any{}
 type x struct{}
 out := protoimpl.TypeBuilder{
  File: protoimpl.DescBuilder{
   GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
   RawDescriptor: file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc,
   NumEnums:      2,
   NumMessages:   1,
   NumExtensions: 0,
   NumServices:   0,
  },
  GoTypes:           file_google_ai_generativelanguage_v1beta_permission_proto_goTypes,
  DependencyIndexes: file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs,
  EnumInfos:         file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes,
```

```
 MessageInfos:       file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes,
}.Build()
File_google_ai_generativelanguage_v1beta_permission_proto = out.File
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = nil
file_google_ai_generativelanguage_v1beta_permission_proto_goTypes
= nil
file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = nil
}
```

1.7261 driver-postgres 1.4.8

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1.7262 gorm-gorm 1.24.5

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1.7263 protobuf-go 1.33.1-0.20240408130810-98873a205002

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1.7264 fullstorydev-grpcurl 1.9.1

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1.7265 x-time-rate 0.9.0

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1.7266 google.golang.org/genproto/googleapis/rpc 0.0.0-20250106144421-5f5ef82da422

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1.7267 otel-sdk-metric 1.32.0

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* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-jar/com/espertech/esper/common/internal/util/apachecommonstext/EntityArrays.java
* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-jar/com/espertech/esper/common/internal/util/apachecommonstext/CharSequenceTranslator.java
* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-jar/com/espertech/esper/common/internal/util/apachecommonstext/AggregateTranslator.java
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* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-jar/com/espertech/esper/common/internal/util/apachecommonstext/LookupTranslator.java
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* - minimal: no dependencies, single package with just a few classes, small download size (< 35kB)
* - fast: high performance comparable with other state-of-the-art parsers (see below)
* - lightweight: object representation with minimal memory footprint (e.g. no HashMaps)
* - simple: reading, writing and modifying JSON with minimal code (short names, fluent style)
*
* Minimal JSON can be found at https://github.com/ralfstx/minimal-json.
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* Minimal
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* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-jar/com/espertech/esper/common/client/json/minimaljson/Json.java
* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-jar/com/espertech/esper/common/client/json/minimaljson/JsonHandler.java
* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-jar/com/espertech/esper/common/client/json/minimaljson/JsonObject.java
* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-jar/com/espertech/esper/common/client/json/minimaljson/JsonString.java
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/opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-jar/com/espertech/esper/common/client/json/minimaljson/Member.java
* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-

jar/com/espertech/esper/common/client/json/minimaljson/WritingBuffer.java
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* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-
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* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-jar/com/espertech/esper/common/client/soda/Expressions.java
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ava
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jar/com/espertech/esper/common/internal/event/map/package.html
* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-
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*
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* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-
jar/com/espertech/esper/common/internal/epl/datetime/interval/deltaexpr/package.html
* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-
jar/com/espertech/esper/common/internal/epl/enummethod/codegen/package.html
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* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-
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* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-
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* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-
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* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-
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* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-
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*
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* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-
jar/com/espertech/esper/common/internal/metrics/stmtmetrics/package.html
* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-
jar/com/espertech/esper/common/internal/epl/enummethod/eval/singlelambdaopt3form/minmax/package.html
* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-
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* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-
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* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-
jar/com/espertech/esper/common/internal/epl/join/exec/composite/package.html
* /opt/cola/permits/2313567761_1736517773.7664554/0/esper-common-8-9-0-sources-1-
jar/com/espertech/esper/common/internal/epl/enummethod/eval/singlelambdaopt3form/selectfrom/package.html
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*****************************************************************************************
```

```
*/
/*
* ATTRIBUTION NOTICE
* ==================
* MinimalJson is a fast and minimal JSON parser and writer for Java. It's not an object mapper, but a bare-bones
library that aims at being:
* - minimal: no dependencies,
 single package with just a few classes, small download size (< 35kB)
* - fast: high performance comparable with other state-of-the-art parsers (see below)
* - lightweight: object representation with minimal memory footprint (e.g. no HashMaps)
* - simple: reading, writing and modifying JSON with minimal code (short names, fluent style)
*
* Minimal JSON can be found at https://github.com/ralfstx/minimal-json.
*
* Minimal JSON is licensed under the MIT License, see https://github.com/ralfstx/minimal-
json/blob/master/LICENSE
*
*/
```

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1.7270 esper-runtime 8.9.0

1.7270.1 Available under license :

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*  http://www.espertech.com                                             *
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*****************************************************************************************
*/
/*****************************************************************************************
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* Metrics is Published under Apache Software License 2.0, see LICENSE in root folder.
*
* Thank you for the Metrics developers efforts in making their library available under an Apache license.
* EsperTech incorporates Metrics version 0.2.2 in source code form since Metrics depends on SLF4J
* and this dependency is not possible to introduce for Esper.
* *****************************************************************************************
*/
```

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* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/stats/EWMA.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/Timer.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/VirtualMachineMetrics.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/reporting/AbstractPollingReporter.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/Meter.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/stats/Sample.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/Clock.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/stats/Snapshot.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/HealthCheck.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/stats/ThreadLocalRandom.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/MetricNameFactory.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-

jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/Sampling.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/TimerContext.java
*
/opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
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* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/MetricsRegistry.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/MetricName.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/Summarizable.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/reporting/JmxReporter.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/MetricsRegistryListener.java
*
/opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/ThreadPools.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/util/DeathRattleExceptionHandler.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/reporting/ConsoleReporter.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/Stoppable.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/stats/ExponentiallyDecayingSample.java
*
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jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/Counter.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/reporting/AbstractReporter.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
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* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/MetricProcessor.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/HealthCheckRegistry.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/util/DeadlockHealthCheck.java
*
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jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/Gauge.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/Metered.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/HealthChecks.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-

jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/util/JmxGauge.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
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*
 /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
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* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
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* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/MetricPredicate.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/Metric.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/Metrics.java
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*
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jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/util/package.html
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* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
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* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/package.html
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/core/package.html
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/filtersvcimpl/package.html
*
 /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
jar/com/espertech/esper/runtime/internal/kernel/thread/package.html

* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/metrics/reporting/package.html
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/metrics/codahale_metrics/package.html
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* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/dataflow/op/select/SelectOp.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/filtersvcimpl/StringRangeComparator.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/filtersvcimpl/FilterParamIndexLookupableBase.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/kernel/service/DeployerModulePaths.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/client/EPDeployLockException.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/kernel/updatedispatch/UpdateDispatchViewNonBlocking.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/kernel/thread/InboundUnitSendDOM.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/kernel/service/EPServicesHA.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/client/stage/EPStage.java
* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/internal/kernel/service/EPStatementAgentInstanceHandleComparator.java
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* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-jar/com/espertech/esper/runtime/client/EPDeploymentRolloutItem.java
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* /opt/cola/permits/2313567554_1736517516.6636848/0/esper-runtime-8-9-0-sources-1-
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1.7271 esper-compiler 8.9.0

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* javax.servlet:javax.servlet-api
 * javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
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* java.sun.security.ssl

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org.ow2.asm:asm-commons
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org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-jsp-api
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org.apache.tomcat:tomcat-util-scan
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org.eclipse.jetty.toolchain:jetty-schemas

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The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api

* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

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org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.7278 jetty-xml 9.4.54.v20240208

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api

* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

http://openjdk.java.net/legal/gplv2+ce.html

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.7280 jetty-proxy 9.4.54.v20240208

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
 * javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
artifacts may be included in the distribution or downloaded when ALPN
module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

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org.eclipse.jetty.toolchain:jetty-schemas

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1.7281 jetty-alpn-openjdk8-server 9.4.54.v20240208

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* java.sun.security.ssl

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org.apache.tomcat:tomcat-util

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
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module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
are hosted at github and both modified and original are under GPL v2 with

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http://openjdk.java.net/legal/gplv2+ce.html

OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
 * javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

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org.eclipse.jetty.toolchain:jetty-schemas

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
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org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
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org.apache.tomcat:tomcat-util

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
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module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
are hosted at github and both modified and original are under GPL v2 with

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http://openjdk.java.net/legal/gplv2+ce.html

OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
 * javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
artifacts may be included in the distribution or downloaded when ALPN
module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
are hosted at github and both modified and original are under GPL v2 with
classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

The following artifacts are licensed by the OW2 Foundation according to the
terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all

copies.

1.7287 aws-sdk-go-v2 1.32.6

1.7287.1 Available under license :

```
AWS SDK for Go
Copyright 2015 Amazon.com, Inc. or its affiliates. All Rights Reserved.
Copyright 2014-2015 Stripe, Inc.
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
       uses: actions/checkout@v2
       with:
         path: new-ref
         fetch-depth: 0
     - name: Get Diff
       run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
     - name: Get Target Files
       run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
     - name: Checkout scancode
       uses: actions/checkout@v2
       with:
         repository: nexB/scancode-toolkit
         path: scancode-toolkit
         fetch-depth: 1
     - name: Set up Python ${{ matrix.python-version }}
       uses: actions/setup-python@v2
       with:
         python-version: ${{ matrix.python-version }}
     # ScanCode
```

```
    - name: Self-configure scancode
      working-directory: ./scancode-toolkit
      run: ./scancode --help
    - name: Run Scan code on target
      run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
    - name: Run Scan code on pr ref
      run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
```

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1.7288 brotli 1.0.0

1.7288.1 Available under license :

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1.7289 azure-sdk-for-go-sdk-storage-azblob 1.5.0

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```
{
 "main": "dist/src/index.js",
 "dependencies": {
   "@azure-tools/typespec-go": "0.3.6"
 },
 "devDependencies": {
   "@azure-tools/typespec-autorest": "0.50.0",
   "@azure-tools/typespec-azure-core": "0.50.0",
   "@azure-tools/typespec-azure-resource-manager": "0.50.0",
   "@azure-tools/typespec-azure-rulesets": "0.50.0",
   "@azure-tools/typespec-client-generator-core": "0.50.2",
   "@typespec/compiler": "0.64.0",
   "@typespec/http": "0.64.0",
   "@typespec/openapi": "0.64.0",
   "@typespec/rest": "0.64.0",
   "@typespec/versioning": "0.64.0",
   "@azure-tools/typespec-liftr-base": "0.6.0"
 }
}
//go:build go1.18
// +build go1.18
```

```
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// Code generated by Microsoft (R) AutoRest Code Generator. DO NOT EDIT.
// Changes may cause incorrect behavior and will be lost if the code is regenerated.

package fake

import (
 "context"
 "errors"
 "fmt"
 azfake "github.com/Azure/azure-sdk-for-go/sdk/azcore/fake"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/fake/server"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/runtime"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/to"
 "github.com/Azure/azure-sdk-for-go/sdk/resourcemanager/hybridcompute/armhybridcompute/v2"
 "net/http"
 "net/url"
 "regexp"
)

// LicensesServer is a fake server for instances of the armhybridcompute.LicensesClient type.
type LicensesServer struct {
 // BeginCreateOrUpdate is the fake for method LicensesClient.BeginCreateOrUpdate
 // HTTP status codes to indicate success:
 http.StatusOK
 BeginCreateOrUpdate func(ctx context.Context, resourceGroupName string, licenseName string, parameters
armhybridcompute.License, options *armhybridcompute.LicensesClientBeginCreateOrUpdateOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientCreateOrUpdateResponse], errResp
azfake.ErrorResponder)

 // BeginDelete is the fake for method LicensesClient.BeginDelete
 // HTTP status codes to indicate success: http.StatusOK, http.StatusNoContent
 BeginDelete func(ctx context.Context, resourceGroupName string, licenseName string, options
*armhybridcompute.LicensesClientBeginDeleteOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientDeleteResponse], errResp azfake.ErrorResponder)

 // Get is the fake for method LicensesClient.Get
 // HTTP status codes to indicate success: http.StatusOK
 Get func(ctx context.Context, resourceGroupName string, licenseName string, options
*armhybridcompute.LicensesClientGetOptions) (resp
azfake.Responder[armhybridcompute.LicensesClientGetResponse],
 errResp azfake.ErrorResponder)

 // NewListByResourceGroupPager is the fake for method LicensesClient.NewListByResourceGroupPager
 // HTTP status codes to indicate success: http.StatusOK
 NewListByResourceGroupPager func(resourceGroupName string, options
*armhybridcompute.LicensesClientListByResourceGroupOptions) (resp
```

```
azfake.PagerResponder[armhybridcompute.LicensesClientListByResourceGroupResponse])

 // NewListBySubscriptionPager is the fake for method LicensesClient.NewListBySubscriptionPager
 // HTTP status codes to indicate success: http.StatusOK
 NewListBySubscriptionPager func(options *armhybridcompute.LicensesClientListBySubscriptionOptions) (resp
azfake.PagerResponder[armhybridcompute.LicensesClientListBySubscriptionResponse])

 // BeginUpdate is the fake for method LicensesClient.BeginUpdate
 // HTTP status codes to indicate success: http.StatusOK
 BeginUpdate func(ctx context.Context, resourceGroupName string, licenseName string, parameters
 armhybridcompute.LicenseUpdate, options *armhybridcompute.LicensesClientBeginUpdateOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientUpdateResponse], errResp azfake.ErrorResponder)

 // BeginValidateLicense is the fake for method LicensesClient.BeginValidateLicense
 // HTTP status codes to indicate success: http.StatusOK
 BeginValidateLicense func(ctx context.Context, parameters armhybridcompute.License, options
*armhybridcompute.LicensesClientBeginValidateLicenseOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientValidateLicenseResponse], errResp
azfake.ErrorResponder)
}

// NewLicensesServerTransport creates a new instance of LicensesServerTransport with the provided
implementation.
// The returned LicensesServerTransport instance is connected to an instance of armhybridcompute.LicensesClient
via the
// azcore.ClientOptions.Transporter field in the client's constructor parameters.
func NewLicensesServerTransport(srv *LicensesServer) *LicensesServerTransport
 {
 return &LicensesServerTransport{
  srv:                    srv,
  beginCreateOrUpdate:
newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientCreateOrUpdateResponse]]():
  beginDelete:            newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientDeleteResponse]]():
  newListByResourceGroupPager:
newTracker[azfake.PagerResponder[armhybridcompute.LicensesClientListByResourceGroupResponse]]():
  newListBySubscriptionPager:
newTracker[azfake.PagerResponder[armhybridcompute.LicensesClientListBySubscriptionResponse]]():
  beginUpdate:            newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientUpdateResponse]]():
  beginValidateLicense:
newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientValidateLicenseResponse]]():
 }
}

// LicensesServerTransport connects instances of armhybridcompute.LicensesClient to instances of LicensesServer.
// Don't use this type directly, use NewLicensesServerTransport
 instead.
type LicensesServerTransport struct {
 srv                    *LicensesServer
```

```
 beginCreateOrUpdate
*tracker[azfake.PollerResponder[armhybridcompute.LicensesClientCreateOrUpdateResponse]]
 beginDelete                *tracker[azfake.PollerResponder[armhybridcompute.LicensesClientDeleteResponse]]
 newListByResourceGroupPager
*tracker[azfake.PagerResponder[armhybridcompute.LicensesClientListByResourceGroupResponse]]
 newListBySubscriptionPager
*tracker[azfake.PagerResponder[armhybridcompute.LicensesClientListBySubscriptionResponse]]
 beginUpdate                *tracker[azfake.PollerResponder[armhybridcompute.LicensesClientUpdateResponse]]
 beginValidateLicense
*tracker[azfake.PollerResponder[armhybridcompute.LicensesClientValidateLicenseResponse]]
}

// Do implements the policy.Transporter interface for LicensesServerTransport.
func (l *LicensesServerTransport) Do(req *http.Request) (*http.Response, error) {
 rawMethod := req.Context().Value(runtime.CtxAPINameKey{})
 method,
 ok := rawMethod.(string)
 if !ok {
  return nil, nonRetriableError{errors.New("unable to dispatch request, missing value for CtxAPINameKey")}
 }

 var resp *http.Response
 var err error

 switch method {
 case "LicensesClient.BeginCreateOrUpdate":
  resp, err = l.dispatchBeginCreateOrUpdate(req)
 case "LicensesClient.BeginDelete":
  resp, err = l.dispatchBeginDelete(req)
 case "LicensesClient.Get":
  resp, err = l.dispatchGet(req)
 case "LicensesClient.NewListByResourceGroupPager":
  resp, err = l.dispatchNewListByResourceGroupPager(req)
 case "LicensesClient.NewListBySubscriptionPager":
  resp, err = l.dispatchNewListBySubscriptionPager(req)
 case "LicensesClient.BeginUpdate":
  resp, err = l.dispatchBeginUpdate(req)
 case "LicensesClient.BeginValidateLicense":
  resp, err = l.dispatchBeginValidateLicense(req)
 default:
  err = fmt.Errorf("unhandled API %s", method)
 }

 if err != nil {
  return nil, err
 }

 return resp, nil
```

```
}

func (l *LicensesServerTransport) dispatchBeginCreateOrUpdate(req
 *http.Request) (*http.Response, error) {
 if l.srv.BeginCreateOrUpdate == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginCreateOrUpdate not implemented")}
 }
 beginCreateOrUpdate := l.beginCreateOrUpdate.get(req)
 if beginCreateOrUpdate == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 3 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  body, err := server.UnmarshalRequestAsJSON[armhybridcompute.License](req)
  if err != nil {
   return nil, err
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if err != nil {
   return
 nil, err
  }
  licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
  if err != nil {
   return nil, err
  }
  respr, errRespr := l.srv.BeginCreateOrUpdate(req.Context(), resourceGroupNameParam, licenseNameParam, body,
nil)
  if respErr := server.GetError(errRespr, req); respErr != nil {
   return nil, respErr
  }
  beginCreateOrUpdate = &respr
  l.beginCreateOrUpdate.add(req, beginCreateOrUpdate)
 }

 resp, err := server.PollerResponderNext(beginCreateOrUpdate, req)
 if err != nil {
  return nil, err
 }

 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.beginCreateOrUpdate.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
```

```
 }
 if !server.PollerResponderMore(beginCreateOrUpdate) {
  l.beginCreateOrUpdate.remove(req)
 }

 return resp, nil
}

func (l *LicensesServerTransport) dispatchBeginDelete(req *http.Request) (*http.Response, error) {
 if l.srv.BeginDelete
 == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginDelete not implemented")}
 }
 beginDelete := l.beginDelete.get(req)
 if beginDelete == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 3 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if err != nil {
   return nil, err
  }
  licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
  if err != nil {
   return nil, err
  }
  respr, errRespr := l.srv.BeginDelete(req.Context(), resourceGroupNameParam, licenseNameParam, nil)
  if
 respErr := server.GetError(errRespr, req); respErr != nil {
   return nil, respErr
  }
  beginDelete = &respr
  l.beginDelete.add(req, beginDelete)
 }

 resp, err := server.PollerResponderNext(beginDelete, req)
 if err != nil {
  return nil, err
 }

 if !contains([]int{http.StatusOK, http.StatusNoContent}, resp.StatusCode) {
  l.beginDelete.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK,
```

```
http.StatusNoContent", resp.StatusCode)}
 }
 if !server.PollerResponderMore(beginDelete) {
  l.beginDelete.remove(req)
 }

 return resp, nil
}

func (l *LicensesServerTransport) dispatchGet(req *http.Request) (*http.Response, error) {
 if l.srv.Get == nil {
  return nil, &nonRetriableError{errors.New("fake for method Get not implemented")}
 }
 const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
 regex
 := regexp.MustCompile(regexStr)
 matches := regex.FindStringSubmatch(req.URL.EscapedPath())
 if matches == nil || len(matches) < 3 {
  return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
 }
 resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
 if err != nil {
  return nil, err
 }
 licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
 if err != nil {
  return nil, err
 }
 respr, errRespr := l.srv.Get(req.Context(), resourceGroupNameParam, licenseNameParam, nil)
 if respErr := server.GetError(errRespr, req); respErr != nil {
  return nil, respErr
 }
 respContent := server.GetResponseContent(respr)
 if !contains([]int{http.StatusOK}, respContent.HTTPStatus) {
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
respContent.HTTPStatus)}
 }
 resp, err := server.MarshalResponseAsJSON(respContent,
 server.GetResponse(respr).License, req)
 if err != nil {
  return nil, err
 }
 return resp, nil
}

func (l *LicensesServerTransport) dispatchNewListByResourceGroupPager(req *http.Request) (*http.Response,
```

```
error) {
 if l.srv.NewListByResourceGroupPager == nil {
  return nil, &nonRetriableError{errors.New("fake for method NewListByResourceGroupPager not implemented")}
 }
 newListByResourceGroupPager := l.newListByResourceGroupPager.get(req)
 if newListByResourceGroupPager == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 2 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if
 err != nil {
   return nil, err
  }
  resp := l.srv.NewListByResourceGroupPager(resourceGroupNameParam, nil)
  newListByResourceGroupPager = &resp
  l.newListByResourceGroupPager.add(req, newListByResourceGroupPager)
  server.PagerResponderInjectNextLinks(newListByResourceGroupPager, req, func(page
*armhybridcompute.LicensesClientListByResourceGroupResponse, createLink func() string) {
   page.NextLink = to.Ptr(createLink())
  })
 }
 resp, err := server.PagerResponderNext(newListByResourceGroupPager, req)
 if err != nil {
  return nil, err
 }
 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.newListByResourceGroupPager.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PagerResponderMore(newListByResourceGroupPager) {
  l.newListByResourceGroupPager.remove(req)
 }
 return resp, nil
}

func (l *LicensesServerTransport) dispatchNewListBySubscriptionPager(req *http.Request)
 (*http.Response, error) {
 if l.srv.NewListBySubscriptionPager == nil {
  return nil, &nonRetriableError{errors.New("fake for method NewListBySubscriptionPager not implemented")}
 }
 newListBySubscriptionPager := l.newListBySubscriptionPager.get(req)
```

```
 if newListBySubscriptionPager == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 1 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  resp := l.srv.NewListBySubscriptionPager(nil)
  newListBySubscriptionPager = &resp
  l.newListBySubscriptionPager.add(req, newListBySubscriptionPager)
  server.PagerResponderInjectNextLinks(newListBySubscriptionPager, req, func(page
*armhybridcompute.LicensesClientListBySubscriptionResponse, createLink func() string) {
   page.NextLink = to.Ptr(createLink())
  })
 }
 resp,
 err := server.PagerResponderNext(newListBySubscriptionPager, req)
 if err != nil {
  return nil, err
 }
 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.newListBySubscriptionPager.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PagerResponderMore(newListBySubscriptionPager) {
  l.newListBySubscriptionPager.remove(req)
 }
 return resp, nil
}

func (l *LicensesServerTransport) dispatchBeginUpdate(req *http.Request) (*http.Response, error) {
 if l.srv.BeginUpdate == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginUpdate not implemented")}
 }
 beginUpdate := l.beginUpdate.get(req)
 if beginUpdate == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
  regex
 := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 3 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  body, err := server.UnmarshalRequestAsJSON[armhybridcompute.LicenseUpdate](req)
```

```
  if err != nil {
   return nil, err
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if err != nil {
   return nil, err
  }
  licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
  if err != nil {
   return nil, err
  }
  respr, errRespr := l.srv.BeginUpdate(req.Context(), resourceGroupNameParam, licenseNameParam, body, nil)
  if respErr := server.GetError(errRespr, req); respErr != nil {
   return nil, respErr
  }
  beginUpdate = &respr
  l.beginUpdate.add(req, beginUpdate)
 }

 resp, err := server.PollerResponderNext(beginUpdate, req)
 if err != nil {
  return nil, err
 }

 if !contains([]int{http.StatusOK},
 resp.StatusCode) {
  l.beginUpdate.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PollerResponderMore(beginUpdate) {
  l.beginUpdate.remove(req)
 }

 return resp, nil
}

func (l *LicensesServerTransport) dispatchBeginValidateLicense(req *http.Request) (*http.Response, error) {
 if l.srv.BeginValidateLicense == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginValidateLicense not implemented")}
 }
 beginValidateLicense := l.beginValidateLicense.get(req)
 if beginValidateLicense == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/validateLicense`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 1 {
```

```
  return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
 }
 body,
err := server.UnmarshalRequestAsJSON[armhybridcompute.License](req)
 if err != nil {
  return nil, err
 }
 respr, errRespr := l.srv.BeginValidateLicense(req.Context(), body, nil)
 if respErr := server.GetError(errRespr, req); respErr != nil {
  return nil, respErr
 }
 beginValidateLicense = &respr
 l.beginValidateLicense.add(req, beginValidateLicense)
}

resp, err := server.PollerResponderNext(beginValidateLicense, req)
if err != nil {
 return nil, err
}

if !contains([]int{http.StatusOK}, resp.StatusCode) {
 l.beginValidateLicense.remove(req)
 return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
}
if !server.PollerResponderMore(beginValidateLicense) {
 l.beginValidateLicense.remove(req)
}

return resp, nil
}
```

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```
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// +build go1.18

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package armhybridcompute

import (
 "context"
 "errors"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/arm"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/policy"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/runtime"
 "net/http"
 "net/url"
 "strings"
)

// LicensesClient contains the methods for the Licenses group.
// Don't use this type directly, use NewLicensesClient() instead.
type LicensesClient struct {
 internal       *arm.Client
 subscriptionID string
}

// NewLicensesClient creates a new instance of LicensesClient with the specified values.
//   - subscriptionID - The ID of the target
 subscription.
//   - credential - used to authorize requests. Usually a credential from azidentity.
//   - options - pass nil to accept the default values.
```

```
func NewLicensesClient(subscriptionID string, credential azcore.TokenCredential, options *arm.ClientOptions)
(*LicensesClient, error) {
 cl, err := arm.NewClient(moduleName, moduleVersion, credential, options)
 if err != nil {
  return nil, err
 }
 client := &LicensesClient{
  subscriptionID: subscriptionID,
  internal:       cl,
 }
 return client, nil
}

// BeginCreateOrUpdate - The operation to create or update a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-07-31-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName - The name of the license.
//   - parameters - Parameters supplied to the Create license operation.
//   - options - LicensesClientBeginCreateOrUpdateOptions contains the optional parameters
 for the LicensesClient.BeginCreateOrUpdate
//     method.
func (client *LicensesClient) BeginCreateOrUpdate(ctx context.Context, resourceGroupName string, licenseName
string, parameters License, options *LicensesClientBeginCreateOrUpdateOptions)
(*runtime.Poller[LicensesClientCreateOrUpdateResponse], error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.createOrUpdate(ctx, resourceGroupName, licenseName, parameters, options)
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientCreateOrUpdateResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientCreateOrUpdateResponse]{
   Tracer: client.internal.Tracer(),
  })
 }
}

// CreateOrUpdate - The operation to create or update a license.
// If the
 operation fails it returns an *azcore.ResponseError type.
//
```

```
// Generated from API version 2024-07-31-preview
func (client *LicensesClient) createOrUpdate(ctx context.Context, resourceGroupName string, licenseName string,
parameters License, options *LicensesClientBeginCreateOrUpdateOptions) (*http.Response, error) {
 var err error
 const operationName = "LicensesClient.BeginCreateOrUpdate"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.createOrUpdateCreateRequest(ctx, resourceGroupName, licenseName, parameters, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return nil, err
 }
 return httpResp, nil
}

// createOrUpdateCreateRequest creates
 the CreateOrUpdate request.
func (client *LicensesClient) createOrUpdateCreateRequest(ctx context.Context, resourceGroupName string,
licenseName string, parameters License, options *LicensesClientBeginCreateOrUpdateOptions) (*policy.Request,
error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}", url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx,
 http.MethodPut, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
```

```
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2024-07-31-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 if err := runtime.MarshalAsJSON(req, parameters); err != nil {
  return nil, err
 }
 return req, nil
}

// BeginDelete - The operation to delete a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-07-31-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName - The name of the license.
//   - options - LicensesClientBeginDeleteOptions contains the optional parameters for the
LicensesClient.BeginDelete method.
func (client *LicensesClient) BeginDelete(ctx context.Context, resourceGroupName string, licenseName string,
options *LicensesClientBeginDeleteOptions) (*runtime.Poller[LicensesClientDeleteResponse],
 error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.deleteOperation(ctx, resourceGroupName, licenseName, options)
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientDeleteResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientDeleteResponse]{
   Tracer: client.internal.Tracer(),
  })
 }
}

// Delete - The operation to delete a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-07-31-preview
func (client *LicensesClient) deleteOperation(ctx context.Context, resourceGroupName string, licenseName string,
options *LicensesClientBeginDeleteOptions) (*http.Response, error) {
 var err error
 const
```

```
 operationName = "LicensesClient.BeginDelete"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.deleteCreateRequest(ctx, resourceGroupName, licenseName, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK, http.StatusNoContent) {
  err = runtime.NewResponseError(httpResp)
  return nil, err
 }
 return httpResp, nil
}

// deleteCreateRequest creates the Delete request.
func (client *LicensesClient) deleteCreateRequest(ctx context.Context, resourceGroupName string, licenseName
string, options *LicensesClientBeginDeleteOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if
 client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}", url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx, http.MethodDelete, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2024-07-31-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}
```

```
// Get - Retrieves information about the view of a license.
//
 If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-07-31-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName - The name of the license.
//   - options - LicensesClientGetOptions contains the optional parameters for the LicensesClient.Get method.
func (client *LicensesClient) Get(ctx context.Context, resourceGroupName string, licenseName string, options
*LicensesClientGetOptions) (LicensesClientGetResponse, error) {
 var err error
 const operationName = "LicensesClient.Get"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.getCreateRequest(ctx, resourceGroupName, licenseName, options)
 if err != nil {
  return LicensesClientGetResponse{}, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil
 {
  return LicensesClientGetResponse{}, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return LicensesClientGetResponse{}, err
 }
 resp, err := client.getHandleResponse(httpResp)
 return resp, err
}

// getCreateRequest creates the Get request.
func (client *LicensesClient) getCreateRequest(ctx context.Context, resourceGroupName string, licenseName
string, options *LicensesClientGetOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if
```

```
 licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}", url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx, http.MethodGet, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2024-07-31-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// getHandleResponse handles the Get response.
func (client *LicensesClient) getHandleResponse(resp *http.Response) (LicensesClientGetResponse, error) {
 result := LicensesClientGetResponse{}
 if err := runtime.UnmarshalAsJSON(resp, &result.License); err != nil {
  return LicensesClientGetResponse{}, err
 }
 return result, nil
}

// NewListByResourceGroupPager - The operation to get all licenses of a non-Azure machine
//
// Generated from
 API version 2024-07-31-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - options - LicensesClientListByResourceGroupOptions contains the optional parameters for the
LicensesClient.NewListByResourceGroupPager
//     method.
func (client *LicensesClient) NewListByResourceGroupPager(resourceGroupName string, options
*LicensesClientListByResourceGroupOptions) *runtime.Pager[LicensesClientListByResourceGroupResponse] {
 return runtime.NewPager(runtime.PagingHandler[LicensesClientListByResourceGroupResponse]{
  More: func(page LicensesClientListByResourceGroupResponse) bool {
   return page.NextLink != nil && len(*page.NextLink) > 0
  },
  Fetcher: func(ctx context.Context, page *LicensesClientListByResourceGroupResponse)
(LicensesClientListByResourceGroupResponse, error) {
   ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, "LicensesClient.NewListByResourceGroupPager")
   nextLink := ""
   if page != nil {
    nextLink = *page.NextLink
   }
   resp,
 err := runtime.FetcherForNextLink(ctx, client.internal.Pipeline(), nextLink, func(ctx context.Context)
(*policy.Request, error) {
```

```
    return client.listByResourceGroupCreateRequest(ctx, resourceGroupName, options)
   }, nil)
   if err != nil {
    return LicensesClientListByResourceGroupResponse{}, err
   }
   return client.listByResourceGroupHandleResponse(resp)
  },
  Tracer: client.internal.Tracer(),
 })
}

// listByResourceGroupCreateRequest creates the ListByResourceGroup request.
func (client *LicensesClient) listByResourceGroupCreateRequest(ctx context.Context, resourceGroupName string,
options *LicensesClientListByResourceGroupOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es"
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if
 client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 req, err := runtime.NewRequest(ctx, http.MethodGet, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2024-07-31-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// listByResourceGroupHandleResponse handles the ListByResourceGroup response.
func (client *LicensesClient) listByResourceGroupHandleResponse(resp *http.Response)
(LicensesClientListByResourceGroupResponse, error) {
 result := LicensesClientListByResourceGroupResponse{}
 if err := runtime.UnmarshalAsJSON(resp, &result.LicensesListResult); err != nil {
  return LicensesClientListByResourceGroupResponse{}, err
 }
 return
 result, nil
}
```

```
// NewListBySubscriptionPager - The operation to get all licenses of a non-Azure machine
//
// Generated from API version 2024-07-31-preview
//   - options - LicensesClientListBySubscriptionOptions contains the optional parameters for the
LicensesClient.NewListBySubscriptionPager
//     method.
func (client *LicensesClient) NewListBySubscriptionPager(options *LicensesClientListBySubscriptionOptions)
*runtime.Pager[LicensesClientListBySubscriptionResponse] {
 return runtime.NewPager(runtime.PagingHandler[LicensesClientListBySubscriptionResponse]{
  More: func(page LicensesClientListBySubscriptionResponse) bool {
   return page.NextLink != nil && len(*page.NextLink) > 0
  },
  Fetcher: func(ctx context.Context, page *LicensesClientListBySubscriptionResponse)
(LicensesClientListBySubscriptionResponse, error) {
   ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, "LicensesClient.NewListBySubscriptionPager")
   nextLink := ""
   if page != nil {
    nextLink = *page.NextLink
   }
   resp,
 err := runtime.FetcherForNextLink(ctx, client.internal.Pipeline(), nextLink, func(ctx context.Context)
(*policy.Request, error) {
    return client.listBySubscriptionCreateRequest(ctx, options)
   }, nil)
   if err != nil {
    return LicensesClientListBySubscriptionResponse{}, err
   }
   return client.listBySubscriptionHandleResponse(resp)
  },
  Tracer: client.internal.Tracer(),
 })
}

// listBySubscriptionCreateRequest creates the ListBySubscription request.
func (client *LicensesClient) listBySubscriptionCreateRequest(ctx context.Context, options
*LicensesClientListBySubscriptionOptions) (*policy.Request, error) {
 urlPath := "/subscriptions/{subscriptionId}/providers/Microsoft.HybridCompute/licenses"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 req, err := runtime.NewRequest(ctx, http.MethodGet,
 runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2024-07-31-preview")
```

```
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// listBySubscriptionHandleResponse handles the ListBySubscription response.
func (client *LicensesClient) listBySubscriptionHandleResponse(resp *http.Response)
(LicensesClientListBySubscriptionResponse, error) {
 result := LicensesClientListBySubscriptionResponse{}
 if err := runtime.UnmarshalAsJSON(resp, &result.LicensesListResult); err != nil {
  return LicensesClientListBySubscriptionResponse{}, err
 }
 return result, nil
}

// BeginUpdate - The operation to update a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-07-31-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName
 - The name of the license.
//   - parameters - Parameters supplied to the Update license operation.
//   - options - LicensesClientBeginUpdateOptions contains the optional parameters for the
LicensesClient.BeginUpdate method.
func (client *LicensesClient) BeginUpdate(ctx context.Context, resourceGroupName string, licenseName string,
parameters LicenseUpdate, options *LicensesClientBeginUpdateOptions)
(*runtime.Poller[LicensesClientUpdateResponse], error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.update(ctx, resourceGroupName, licenseName, parameters, options)
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientUpdateResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientUpdateResponse]{
   Tracer:
 client.internal.Tracer(),
  })
 }
}

// Update - The operation to update a license.
```

```
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-07-31-preview
func (client *LicensesClient) update(ctx context.Context, resourceGroupName string, licenseName string,
parameters LicenseUpdate, options *LicensesClientBeginUpdateOptions) (*http.Response, error) {
 var err error
 const operationName = "LicensesClient.BeginUpdate"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.updateCreateRequest(ctx, resourceGroupName, licenseName, parameters, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return
 nil, err
 }
 return httpResp, nil
}

// updateCreateRequest creates the Update request.
func (client *LicensesClient) updateCreateRequest(ctx context.Context, resourceGroupName string, licenseName
string, parameters LicenseUpdate, options *LicensesClientBeginUpdateOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}",
 url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx, http.MethodPatch, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
```

```
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2024-07-31-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 if err := runtime.MarshalAsJSON(req, parameters); err != nil {
  return nil, err
 }
 return req, nil
}

// BeginValidateLicense - The operation to validate a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-07-31-preview
//   - parameters - Parameters supplied to the license validation operation.
//   - options - LicensesClientBeginValidateLicenseOptions contains the optional parameters for the
LicensesClient.BeginValidateLicense
//     method.
func (client *LicensesClient) BeginValidateLicense(ctx context.Context, parameters License, options
*LicensesClientBeginValidateLicenseOptions)
 (*runtime.Poller[LicensesClientValidateLicenseResponse], error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.validateLicense(ctx, parameters, options)
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientValidateLicenseResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientValidateLicenseResponse]{
   Tracer: client.internal.Tracer(),
  })
 }
}

// ValidateLicense - The operation to validate a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-07-31-preview
func (client *LicensesClient) validateLicense(ctx context.Context, parameters License, options
*LicensesClientBeginValidateLicenseOptions)
 (*http.Response, error) {
 var err error
```

```
 const operationName = "LicensesClient.BeginValidateLicense"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.validateLicenseCreateRequest(ctx, parameters, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return nil, err
 }
 return httpResp, nil
}

// validateLicenseCreateRequest creates the ValidateLicense request.
func (client *LicensesClient) validateLicenseCreateRequest(ctx context.Context, parameters License, options
*LicensesClientBeginValidateLicenseOptions) (*policy.Request, error) {
 urlPath := "/subscriptions/{subscriptionId}/providers/Microsoft.HybridCompute/validateLicense"
 if client.subscriptionID
 == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 req, err := runtime.NewRequest(ctx, http.MethodPost, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2024-07-31-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 if err := runtime.MarshalAsJSON(req, parameters); err != nil {
  return nil, err
 }
 return req, nil
}
```

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//go:build go1.18
// +build go1.18

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// Code generated by Microsoft (R) AutoRest Code Generator.
// Changes may cause incorrect behavior and will be lost if the code is regenerated.
// DO NOT EDIT.

package armhybridcompute_test

import (
 "context"
 "log"

 "github.com/Azure/azure-sdk-for-go/sdk/azcore/to"
 "github.com/Azure/azure-sdk-for-go/sdk/azidentity"
 "github.com/Azure/azure-sdk-for-go/sdk/resourcemanager/hybridcompute/armhybridcompute/v2"
)

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/63d530d0def1c624f5d42d39170ff4ac196522e2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2024-07-31-preview/examples/license/License_ValidateLicense.json
func ExampleLicensesClient_BeginValidateLicense() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err !=
 nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 poller, err := clientFactory.NewLicensesClient().BeginValidateLicense(ctx, armhybridcompute.License{
  Location: to.Ptr("eastus2euap"),
  Properties: &armhybridcompute.LicenseProperties{
   LicenseDetails: &armhybridcompute.LicenseDetails{
    Type:       to.Ptr(armhybridcompute.LicenseCoreTypePCore),
    Edition:    to.Ptr(armhybridcompute.LicenseEditionDatacenter),
    Processors: to.Ptr[int32](6),
    State:      to.Ptr(armhybridcompute.LicenseStateActivated),
    Target:     to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
   },
   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
  },
```

```
 }, nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 res, err := poller.PollUntilDone(ctx, nil)
 if err !=
 nil {
  log.Fatalf("failed to pull the result: %v", err)
 }
 // You could use response here. We use blank identifier for just demo purposes.
 _ = res
 // If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
 // res.License = armhybridcompute.License{
 //  Name: to.Ptr("{licenseName}"),
 //  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
 //  ID: to.Ptr("/subscriptions/{subscriptionId}/providers/Microsoft.HybridCompute/Licenses/{licenseName}"),
 //  Location: to.Ptr("eastus2euap"),
 //  Properties: &armhybridcompute.LicenseProperties{
 //   LicenseDetails: &armhybridcompute.LicenseDetails{
 //    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
 //    AssignedLicenses: to.Ptr[int32](2),
 //    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //    ImmutableID: to.Ptr("<generated Guid>"),
 //    Processors: to.Ptr[int32](6),
 //
   State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //   },
 //   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //   TenantID: to.Ptr("{tenandId}"),
 //  },
 // }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/63d530d0def1c624f5d42d39170ff4ac196522e2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2024-07-31-preview/examples/license/License_CreateOrUpdate.json
func ExampleLicensesClient_BeginCreateOrUpdate() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
```

```
 poller, err := clientFactory.NewLicensesClient().BeginCreateOrUpdate(ctx, "myResourceGroup",
 "{licenseName}", armhybridcompute.License{
  Location: to.Ptr("eastus2euap"),
  Properties: &armhybridcompute.LicenseProperties{
   LicenseDetails: &armhybridcompute.LicenseDetails{
    Type:       to.Ptr(armhybridcompute.LicenseCoreTypePCore),
    Edition:    to.Ptr(armhybridcompute.LicenseEditionDatacenter),
    Processors: to.Ptr[int32](6),
    State:      to.Ptr(armhybridcompute.LicenseStateActivated),
    Target:     to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
   },
   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
  },
 }, nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 res, err := poller.PollUntilDone(ctx, nil)
 if err != nil {
  log.Fatalf("failed to pull the result: %v", err)
 }
 // You could use response here. We use blank identifier for just demo purposes.
 _ = res
 // If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values
 in the output are fake values for just demo purposes.
 // res.License = armhybridcompute.License{
 //  Name: to.Ptr("{licenseName}"),
 //  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
 //  ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
 //  Location: to.Ptr("eastus2euap"),
 //  Properties: &armhybridcompute.LicenseProperties{
 //   LicenseDetails: &armhybridcompute.LicenseDetails{
 //    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
 //    AssignedLicenses: to.Ptr[int32](2),
 //    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //    ImmutableID: to.Ptr("<generated Guid>"),
 //    Processors: to.Ptr[int32](6),
 //    State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //   },
 //   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //   TenantID: to.Ptr("{tenandId}"),
 //  },
 // }
}
```

```
// Generated
 from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/63d530d0def1c624f5d42d39170ff4ac196522e2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2024-07-31-preview/examples/license/License_Update.json
func ExampleLicensesClient_BeginUpdate() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 poller, err := clientFactory.NewLicensesClient().BeginUpdate(ctx, "myResourceGroup", "{licenseName}",
armhybridcompute.LicenseUpdate{
  Properties: &armhybridcompute.LicenseUpdateProperties{
   LicenseDetails: &armhybridcompute.LicenseUpdatePropertiesLicenseDetails{
    Type:       to.Ptr(armhybridcompute.LicenseCoreTypePCore),
    Edition:    to.Ptr(armhybridcompute.LicenseEditionDatacenter),
    Processors:
 to.Ptr[int32](6),
    State:      to.Ptr(armhybridcompute.LicenseStateActivated),
    Target:     to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
   },
   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
  },
 }, nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 res, err := poller.PollUntilDone(ctx, nil)
 if err != nil {
  log.Fatalf("failed to pull the result: %v", err)
 }
 // You could use response here. We use blank identifier for just demo purposes.
 _ = res
 // If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
 // res.License = armhybridcompute.License{
 //  Name: to.Ptr("{licenseName}"),
 //  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
 //  ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/lice
nses/{licenseName}"),
 //
```

```
 Location: to.Ptr("eastus2euap"),
// Properties: &armhybridcompute.LicenseProperties{
//   LicenseDetails: &armhybridcompute.LicenseDetails{
//    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
//    AssignedLicenses: to.Ptr[int32](8),
//    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
//    ImmutableID: to.Ptr("<generated Guid>"),
//    Processors: to.Ptr[int32](6),
//    State: to.Ptr(armhybridcompute.LicenseStateActivated),
//    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
//   },
//   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
//   TenantID: to.Ptr("{tenandId}"),
//  },
// }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/63d530d0def1c624f5d42d39170ff4ac196522e2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2024-07-31-preview/examples/license/License_Get.json
func ExampleLicensesClient_Get() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if
 err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 res, err := clientFactory.NewLicensesClient().Get(ctx, "myResourceGroup", "{licenseName}", nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 // You could use response here. We use blank identifier for just demo purposes.
 _ = res
 // If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
 // res.License = armhybridcompute.License{
 //  Name: to.Ptr("{licenseName}"),
 //  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
 //  ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
 //
  Location: to.Ptr("eastus2euap"),
 //  Properties: &armhybridcompute.LicenseProperties{
```

```
 //   LicenseDetails: &armhybridcompute.LicenseDetails{
 //    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
 //    AssignedLicenses: to.Ptr[int32](8),
 //    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //    ImmutableID: to.Ptr("<generated Guid>"),
 //    Processors: to.Ptr[int32](6),
 //    State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //   },
 //   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //   TenantID: to.Ptr("{tenandId}"),
 //  },
 // }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/63d530d0def1c624f5d42d39170ff4ac196522e2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2024-07-31-preview/examples/license/License_Delete.json
func ExampleLicensesClient_BeginDelete()
 {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 poller, err := clientFactory.NewLicensesClient().BeginDelete(ctx, "myResourceGroup", "{licenseName}", nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 _, err = poller.PollUntilDone(ctx, nil)
 if err != nil {
  log.Fatalf("failed to pull the result: %v", err)
 }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/63d530d0def1c624f5d42d39170ff4ac196522e2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2024-07-31-
preview/examples/license/License_ListByResourceGroup.json
func ExampleLicensesClient_NewListByResourceGroupPager() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if
 err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
```

```
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 pager := clientFactory.NewLicensesClient().NewListByResourceGroupPager("myResourceGroup", nil)
 for pager.More() {
  page, err := pager.NextPage(ctx)
  if err != nil {
   log.Fatalf("failed to advance page: %v", err)
  }
  for _, v := range page.Value {
   // You could use page here. We use blank identifier for just demo purposes.
   _ = v
  }
  // If the HTTP response code is 200 as defined in example definition, your page structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
  // page.LicensesListResult = armhybridcompute.LicensesListResult{
  //  Value: []*armhybridcompute.License{
  //   {
  //    Name: to.Ptr("{licenseName}"),
  //
   Type: to.Ptr("Microsoft.HybridCompute/licenses"),
  //    ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
  //    Location: to.Ptr("eastus2euap"),
  //    Properties: &armhybridcompute.LicenseProperties{
  //     LicenseDetails: &armhybridcompute.LicenseDetails{
  //      Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
  //      AssignedLicenses: to.Ptr[int32](8),
  //      Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
  //      ImmutableID: to.Ptr("<generated Guid>"),
  //      Processors: to.Ptr[int32](6),
  //      State: to.Ptr(armhybridcompute.LicenseStateActivated),
  //      Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
  //     },
  //     LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
  //     TenantID: to.Ptr("{tenandId}"),
  //    },
  //  }},
  // }
 }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/63d530d0def1c624f5d42d39170ff4ac196522e2/specification/hybridcompute/resource-
```

```
manager/Microsoft.HybridCompute/preview/2024-07-31-
preview/examples/license/License_ListBySubscription.json
func
 ExampleLicensesClient_NewListBySubscriptionPager() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 pager := clientFactory.NewLicensesClient().NewListBySubscriptionPager(nil)
 for pager.More() {
  page, err := pager.NextPage(ctx)
  if err != nil {
   log.Fatalf("failed to advance page: %v", err)
  }
  for _, v := range page.Value {
   // You could use page here. We use blank identifier for just demo purposes.
   _ = v
  }
  // If the HTTP response code is 200 as defined in example definition, your page structure would look as
 follows. Please pay attention that all the values in the output are fake values for just demo purposes.
  // page.LicensesListResult = armhybridcompute.LicensesListResult{
  //  Value: []*armhybridcompute.License{
  //   {
  //    Name: to.Ptr("{licenseName}"),
  //    Type: to.Ptr("Microsoft.HybridCompute/licenses"),
  //    ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
  //    Location: to.Ptr("eastus2euap"),
  //    Properties: &armhybridcompute.LicenseProperties{
  //     LicenseDetails: &armhybridcompute.LicenseDetails{
  //      Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
  //      AssignedLicenses: to.Ptr[int32](8),
  //      Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
  //      ImmutableID: to.Ptr("<generated Guid>"),
  //      Processors: to.Ptr[int32](6),
  //      State: to.Ptr(armhybridcompute.LicenseStateActivated),
  //      Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
  //
     },
  //     LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
  //     TenantID: to.Ptr("{tenandId}"),
  //    },
```

```
 //  }},
 // }
 }
}
```

1.7290 azure-sdk-for-go-sdk-azcore 1.16.0

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1.7291 azure-sdk-for-go-sdk-internal 1.10.0

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{
"main": "dist/src/index.js",
"dependencies": {
"@azure-tools/typespec-go": "0.3.6"
},

```
 "devDependencies": {
   "@azure-tools/typespec-autorest": "0.50.0",
   "@azure-tools/typespec-azure-core": "0.50.0",
   "@azure-tools/typespec-azure-resource-manager": "0.50.0",
   "@azure-tools/typespec-azure-rulesets": "0.50.0",
   "@azure-tools/typespec-client-generator-core": "0.50.2",
   "@typespec/compiler": "0.64.0",
   "@typespec/http": "0.64.0",
   "@typespec/openapi": "0.64.0",
   "@typespec/rest": "0.64.0",
   "@typespec/versioning": "0.64.0",
   "@azure-tools/typespec-liftr-base": "0.6.0"
 }
}
//go:build go1.18
// +build go1.18

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// Code generated by Microsoft (R) AutoRest Code Generator. DO NOT EDIT.
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package fake

import (
 "context"
 "errors"
 "fmt"
 azfake "github.com/Azure/azure-sdk-for-go/sdk/azcore/fake"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/fake/server"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/runtime"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/to"
 "github.com/Azure/azure-sdk-for-go/sdk/resourcemanager/hybridcompute/armhybridcompute/v2"
 "net/http"
 "net/url"
 "regexp"
)

// LicensesServer is a fake server for instances of the armhybridcompute.LicensesClient type.
type LicensesServer struct {
 // BeginCreateOrUpdate is the fake for method LicensesClient.BeginCreateOrUpdate
 // HTTP status codes to indicate success:
 http.StatusOK
 BeginCreateOrUpdate func(ctx context.Context, resourceGroupName string, licenseName string, parameters
armhybridcompute.License, options *armhybridcompute.LicensesClientBeginCreateOrUpdateOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientCreateOrUpdateResponse], errResp
azfake.ErrorResponder)
```

```
 // BeginDelete is the fake for method LicensesClient.BeginDelete
 // HTTP status codes to indicate success: http.StatusOK, http.StatusNoContent
 BeginDelete func(ctx context.Context, resourceGroupName string, licenseName string, options
*armhybridcompute.LicensesClientBeginDeleteOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientDeleteResponse], errResp azfake.ErrorResponder)

 // Get is the fake for method LicensesClient.Get
 // HTTP status codes to indicate success: http.StatusOK
 Get func(ctx context.Context, resourceGroupName string, licenseName string, options
*armhybridcompute.LicensesClientGetOptions) (resp
azfake.Responder[armhybridcompute.LicensesClientGetResponse],
 errResp azfake.ErrorResponder)

 // NewListByResourceGroupPager is the fake for method LicensesClient.NewListByResourceGroupPager
 // HTTP status codes to indicate success: http.StatusOK
 NewListByResourceGroupPager func(resourceGroupName string, options
*armhybridcompute.LicensesClientListByResourceGroupOptions) (resp
azfake.PagerResponder[armhybridcompute.LicensesClientListByResourceGroupResponse])

 // NewListBySubscriptionPager is the fake for method LicensesClient.NewListBySubscriptionPager
 // HTTP status codes to indicate success: http.StatusOK
 NewListBySubscriptionPager func(options *armhybridcompute.LicensesClientListBySubscriptionOptions) (resp
azfake.PagerResponder[armhybridcompute.LicensesClientListBySubscriptionResponse])

 // BeginUpdate is the fake for method LicensesClient.BeginUpdate
 // HTTP status codes to indicate success: http.StatusOK
 BeginUpdate func(ctx context.Context, resourceGroupName string, licenseName string, parameters
 armhybridcompute.LicenseUpdate, options *armhybridcompute.LicensesClientBeginUpdateOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientUpdateResponse], errResp azfake.ErrorResponder)

 // BeginValidateLicense is the fake for method LicensesClient.BeginValidateLicense
 // HTTP status codes to indicate success: http.StatusOK
 BeginValidateLicense func(ctx context.Context, parameters armhybridcompute.License, options
*armhybridcompute.LicensesClientBeginValidateLicenseOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientValidateLicenseResponse], errResp
azfake.ErrorResponder)
}

// NewLicensesServerTransport creates a new instance of LicensesServerTransport with the provided
implementation.
// The returned LicensesServerTransport instance is connected to an instance of armhybridcompute.LicensesClient
via the
// azcore.ClientOptions.Transporter field in the client's constructor parameters.
func NewLicensesServerTransport(srv *LicensesServer) *LicensesServerTransport
 {
 return &LicensesServerTransport{
  srv:                    srv,
  beginCreateOrUpdate:
```

```
newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientCreateOrUpdateResponse]](),
  beginDelete:                newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientDeleteResponse]](),
  newListByResourceGroupPager:
newTracker[azfake.PagerResponder[armhybridcompute.LicensesClientListByResourceGroupResponse]](),
  newListBySubscriptionPager:
newTracker[azfake.PagerResponder[armhybridcompute.LicensesClientListBySubscriptionResponse]](),
  beginUpdate:                newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientUpdateResponse]](),
  beginValidateLicense:
newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientValidateLicenseResponse]](),
 }
}

// LicensesServerTransport connects instances of armhybridcompute.LicensesClient to instances of LicensesServer.
// Don't use this type directly, use NewLicensesServerTransport
 instead.
type LicensesServerTransport struct {
 srv                         *LicensesServer
 beginCreateOrUpdate
*tracker[azfake.PollerResponder[armhybridcompute.LicensesClientCreateOrUpdateResponse]]
 beginDelete                 *tracker[azfake.PollerResponder[armhybridcompute.LicensesClientDeleteResponse]]
 newListByResourceGroupPager
*tracker[azfake.PagerResponder[armhybridcompute.LicensesClientListByResourceGroupResponse]]
 newListBySubscriptionPager
*tracker[azfake.PagerResponder[armhybridcompute.LicensesClientListBySubscriptionResponse]]
 beginUpdate                 *tracker[azfake.PollerResponder[armhybridcompute.LicensesClientUpdateResponse]]
 beginValidateLicense
*tracker[azfake.PollerResponder[armhybridcompute.LicensesClientValidateLicenseResponse]]
}

// Do implements the policy.Transporter interface for LicensesServerTransport.
func (l *LicensesServerTransport) Do(req *http.Request) (*http.Response, error) {
 rawMethod := req.Context().Value(runtime.CtxAPINameKey{})
 method,
 ok := rawMethod.(string)
 if !ok {
  return nil, nonRetriableError{errors.New("unable to dispatch request, missing value for CtxAPINameKey")}
 }

 var resp *http.Response
 var err error

 switch method {
 case "LicensesClient.BeginCreateOrUpdate":
  resp, err = l.dispatchBeginCreateOrUpdate(req)
 case "LicensesClient.BeginDelete":
  resp, err = l.dispatchBeginDelete(req)
 case "LicensesClient.Get":
  resp, err = l.dispatchGet(req)
```

```
 case "LicensesClient.NewListByResourceGroupPager":
  resp, err = l.dispatchNewListByResourceGroupPager(req)
 case "LicensesClient.NewListBySubscriptionPager":
  resp, err = l.dispatchNewListBySubscriptionPager(req)
 case "LicensesClient.BeginUpdate":
  resp, err = l.dispatchBeginUpdate(req)
 case "LicensesClient.BeginValidateLicense":
  resp, err = l.dispatchBeginValidateLicense(req)
 default:
  err = fmt.Errorf("unhandled API %s", method)
 }

 if err != nil {
  return nil, err
 }

 return resp, nil
}

func (l *LicensesServerTransport) dispatchBeginCreateOrUpdate(req
 *http.Request) (*http.Response, error) {
 if l.srv.BeginCreateOrUpdate == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginCreateOrUpdate not implemented")}
 }
 beginCreateOrUpdate := l.beginCreateOrUpdate.get(req)
 if beginCreateOrUpdate == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 3 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  body, err := server.UnmarshalRequestAsJSON[armhybridcompute.License](req)
  if err != nil {
   return nil, err
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if err != nil {
   return
 nil, err
  }
  licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
  if err != nil {
   return nil, err
  }
  respr, errRespr := l.srv.BeginCreateOrUpdate(req.Context(), resourceGroupNameParam, licenseNameParam, body,
```

```
nil)
  if respErr := server.GetError(errRespr, req); respErr != nil {
   return nil, respErr
  }
  beginCreateOrUpdate = &respr
  l.beginCreateOrUpdate.add(req, beginCreateOrUpdate)
 }

 resp, err := server.PollerResponderNext(beginCreateOrUpdate, req)
 if err != nil {
  return nil, err
 }

 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.beginCreateOrUpdate.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PollerResponderMore(beginCreateOrUpdate) {
  l.beginCreateOrUpdate.remove(req)
 }

 return resp, nil
}

func (l *LicensesServerTransport) dispatchBeginDelete(req *http.Request) (*http.Response, error) {
 if l.srv.BeginDelete
 == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginDelete not implemented")}
 }
 beginDelete := l.beginDelete.get(req)
 if beginDelete == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 3 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if err != nil {
   return nil, err
  }
  licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
  if err != nil {
   return nil, err
  }
```

```
 respr, errRespr := l.srv.BeginDelete(req.Context(), resourceGroupNameParam, licenseNameParam, nil)
 if
respErr := server.GetError(errRespr, req); respErr != nil {
  return nil, respErr
 }
 beginDelete = &respr
 l.beginDelete.add(req, beginDelete)
}

resp, err := server.PollerResponderNext(beginDelete, req)
if err != nil {
 return nil, err
}

if !contains([]int{http.StatusOK, http.StatusNoContent}, resp.StatusCode) {
 l.beginDelete.remove(req)
 return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK,
http.StatusNoContent", resp.StatusCode)}
}
if !server.PollerResponderMore(beginDelete) {
 l.beginDelete.remove(req)
}

return resp, nil
}

func (l *LicensesServerTransport) dispatchGet(req *http.Request) (*http.Response, error) {
if l.srv.Get == nil {
 return nil, &nonRetriableError{errors.New("fake for method Get not implemented")}
}
const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
regex
:= regexp.MustCompile(regexStr)
matches := regex.FindStringSubmatch(req.URL.EscapedPath())
if matches == nil || len(matches) < 3 {
 return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
}
resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
if err != nil {
 return nil, err
}
licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
if err != nil {
 return nil, err
}
respr, errRespr := l.srv.Get(req.Context(), resourceGroupNameParam, licenseNameParam, nil)
```

```
 if respErr := server.GetError(errRespr, req); respErr != nil {
  return nil, respErr
 }
 respContent := server.GetResponseContent(respr)
 if !contains([]int{http.StatusOK}, respContent.HTTPStatus) {
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
respContent.HTTPStatus)}
 }
 resp, err := server.MarshalResponseAsJSON(respContent,
 server.GetResponse(respr).License, req)
 if err != nil {
  return nil, err
 }
 return resp, nil
}

func (l *LicensesServerTransport) dispatchNewListByResourceGroupPager(req *http.Request) (*http.Response,
error) {
 if l.srv.NewListByResourceGroupPager == nil {
  return nil, &nonRetriableError{errors.New("fake for method NewListByResourceGroupPager not implemented")}
 }
 newListByResourceGroupPager := l.newListByResourceGroupPager.get(req)
 if newListByResourceGroupPager == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 2 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if
 err != nil {
   return nil, err
  }
  resp := l.srv.NewListByResourceGroupPager(resourceGroupNameParam, nil)
  newListByResourceGroupPager = &resp
  l.newListByResourceGroupPager.add(req, newListByResourceGroupPager)
  server.PagerResponderInjectNextLinks(newListByResourceGroupPager, req, func(page
*armhybridcompute.LicensesClientListByResourceGroupResponse, createLink func() string) {
   page.NextLink = to.Ptr(createLink())
  })
 }
 resp, err := server.PagerResponderNext(newListByResourceGroupPager, req)
 if err != nil {
  return nil, err
 }
```

```
 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.newListByResourceGroupPager.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PagerResponderMore(newListByResourceGroupPager) {
  l.newListByResourceGroupPager.remove(req)
 }
 return resp, nil
}

func (l *LicensesServerTransport) dispatchNewListBySubscriptionPager(req *http.Request)
 (*http.Response, error) {
 if l.srv.NewListBySubscriptionPager == nil {
  return nil, &nonRetriableError{errors.New("fake for method NewListBySubscriptionPager not implemented")}
 }
 newListBySubscriptionPager := l.newListBySubscriptionPager.get(req)
 if newListBySubscriptionPager == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 1 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  resp := l.srv.NewListBySubscriptionPager(nil)
  newListBySubscriptionPager = &resp
  l.newListBySubscriptionPager.add(req, newListBySubscriptionPager)
  server.PagerResponderInjectNextLinks(newListBySubscriptionPager, req, func(page
*armhybridcompute.LicensesClientListBySubscriptionResponse, createLink func() string) {
   page.NextLink = to.Ptr(createLink())
  })
 }
 resp,
 err := server.PagerResponderNext(newListBySubscriptionPager, req)
 if err != nil {
  return nil, err
 }
 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.newListBySubscriptionPager.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PagerResponderMore(newListBySubscriptionPager) {
  l.newListBySubscriptionPager.remove(req)
 }
 return resp, nil
}
```

```
func (l *LicensesServerTransport) dispatchBeginUpdate(req *http.Request) (*http.Response, error) {
 if l.srv.BeginUpdate == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginUpdate not implemented")}
 }
 beginUpdate := l.beginUpdate.get(req)
 if beginUpdate == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
  regex
 := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 3 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  body, err := server.UnmarshalRequestAsJSON[armhybridcompute.LicenseUpdate](req)
  if err != nil {
   return nil, err
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if err != nil {
   return nil, err
  }
  licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
  if err != nil {
   return nil, err
  }
  respr, errRespr := l.srv.BeginUpdate(req.Context(), resourceGroupNameParam, licenseNameParam, body, nil)
  if respErr := server.GetError(errRespr, req); respErr != nil {
   return nil, respErr
  }
  beginUpdate = &respr
  l.beginUpdate.add(req, beginUpdate)
 }

 resp, err := server.PollerResponderNext(beginUpdate, req)
 if err != nil {
  return nil, err
 }

 if !contains([]int{http.StatusOK},
 resp.StatusCode) {
  l.beginUpdate.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PollerResponderMore(beginUpdate) {
```

```
 l.beginUpdate.remove(req)
 }

 return resp, nil
}

func (l *LicensesServerTransport) dispatchBeginValidateLicense(req *http.Request) (*http.Response, error) {
 if l.srv.BeginValidateLicense == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginValidateLicense not implemented")}
 }
 beginValidateLicense := l.beginValidateLicense.get(req)
 if beginValidateLicense == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/validateLicense`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 1 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  body,
 err := server.UnmarshalRequestAsJSON[armhybridcompute.License](req)
  if err != nil {
   return nil, err
  }
  respr, errRespr := l.srv.BeginValidateLicense(req.Context(), body, nil)
  if respErr := server.GetError(errRespr, req); respErr != nil {
   return nil, respErr
  }
  beginValidateLicense = &respr
  l.beginValidateLicense.add(req, beginValidateLicense)
 }

 resp, err := server.PollerResponderNext(beginValidateLicense, req)
 if err != nil {
  return nil, err
 }

 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.beginValidateLicense.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PollerResponderMore(beginValidateLicense) {
  l.beginValidateLicense.remove(req)
 }

 return resp, nil
}
```

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```
//go:build go1.18
// +build go1.18

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package armhybridcompute

import (
 "context"
 "errors"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/arm"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/policy"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/runtime"
 "net/http"
```

```
 "net/url"
 "strings"
)

// LicensesClient contains the methods for the Licenses group.
// Don't use this type directly, use NewLicensesClient() instead.
type LicensesClient struct {
 internal       *arm.Client
 subscriptionID string
}

// NewLicensesClient creates a new instance of LicensesClient with the specified values.
//   - subscriptionID - The ID of the target
 subscription.
//   - credential - used to authorize requests. Usually a credential from azidentity.
//   - options - pass nil to accept the default values.
func NewLicensesClient(subscriptionID string, credential azcore.TokenCredential, options *arm.ClientOptions)
(*LicensesClient, error) {
 cl, err := arm.NewClient(moduleName, moduleVersion, credential, options)
 if err != nil {
  return nil, err
 }
 client := &LicensesClient{
  subscriptionID: subscriptionID,
  internal:       cl,
 }
 return client, nil
}

// BeginCreateOrUpdate - The operation to create or update a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-07-31-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName - The name of the license.
//   - parameters - Parameters supplied to the Create license operation.
//   - options - LicensesClientBeginCreateOrUpdateOptions contains the optional parameters
 for the LicensesClient.BeginCreateOrUpdate
//     method.
func (client *LicensesClient) BeginCreateOrUpdate(ctx context.Context, resourceGroupName string, licenseName
string, parameters License, options *LicensesClientBeginCreateOrUpdateOptions)
(*runtime.Poller[LicensesClientCreateOrUpdateResponse], error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.createOrUpdate(ctx, resourceGroupName, licenseName, parameters, options)
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
```

```
&runtime.NewPollerOptions[LicensesClientCreateOrUpdateResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientCreateOrUpdateResponse]{
   Tracer: client.internal.Tracer(),
  })
 }
}

// CreateOrUpdate - The operation to create or update a license.
// If the
 operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-07-31-preview
func (client *LicensesClient) createOrUpdate(ctx context.Context, resourceGroupName string, licenseName string,
parameters License, options *LicensesClientBeginCreateOrUpdateOptions) (*http.Response, error) {
 var err error
 const operationName = "LicensesClient.BeginCreateOrUpdate"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.createOrUpdateCreateRequest(ctx, resourceGroupName, licenseName, parameters, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return nil, err
 }
 return httpResp, nil
}

// createOrUpdateCreateRequest creates
 the CreateOrUpdate request.
func (client *LicensesClient) createOrUpdateCreateRequest(ctx context.Context, resourceGroupName string,
licenseName string, parameters License, options *LicensesClientBeginCreateOrUpdateOptions) (*policy.Request,
error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if client.subscriptionID == "" {
```

```
 return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}", url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx,
 http.MethodPut, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2024-07-31-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 if err := runtime.MarshalAsJSON(req, parameters); err != nil {
  return nil, err
 }
 return req, nil
}

// BeginDelete - The operation to delete a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-07-31-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName - The name of the license.
//   - options - LicensesClientBeginDeleteOptions contains the optional parameters for the
LicensesClient.BeginDelete method.
func (client *LicensesClient) BeginDelete(ctx context.Context, resourceGroupName string, licenseName string,
options *LicensesClientBeginDeleteOptions) (*runtime.Poller[LicensesClientDeleteResponse],
 error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.deleteOperation(ctx, resourceGroupName, licenseName, options)
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientDeleteResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
```

```
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientDeleteResponse]{
   Tracer: client.internal.Tracer(),
  })
 }
}

// Delete - The operation to delete a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-07-31-preview
func (client *LicensesClient) deleteOperation(ctx context.Context, resourceGroupName string, licenseName string,
options *LicensesClientBeginDeleteOptions) (*http.Response, error) {
 var err error
 const
 operationName = "LicensesClient.BeginDelete"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.deleteCreateRequest(ctx, resourceGroupName, licenseName, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK, http.StatusNoContent) {
  err = runtime.NewResponseError(httpResp)
  return nil, err
 }
 return httpResp, nil
}

// deleteCreateRequest creates the Delete request.
func (client *LicensesClient) deleteCreateRequest(ctx context.Context, resourceGroupName string, licenseName
string, options *LicensesClientBeginDeleteOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if
 client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
```

```
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}", url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx, http.MethodDelete, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2024-07-31-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// Get - Retrieves information about the view of a license.
//
 If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-07-31-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName - The name of the license.
//   - options - LicensesClientGetOptions contains the optional parameters for the LicensesClient.Get method.
func (client *LicensesClient) Get(ctx context.Context, resourceGroupName string, licenseName string, options
*LicensesClientGetOptions) (LicensesClientGetResponse, error) {
 var err error
 const operationName = "LicensesClient.Get"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.getCreateRequest(ctx, resourceGroupName, licenseName, options)
 if err != nil {
  return LicensesClientGetResponse{}, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil
 {
  return LicensesClientGetResponse{}, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return LicensesClientGetResponse{}, err
 }
 resp, err := client.getHandleResponse(httpResp)
 return resp, err
}
```

```
// getCreateRequest creates the Get request.
func (client *LicensesClient) getCreateRequest(ctx context.Context, resourceGroupName string, licenseName
string, options *LicensesClientGetOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if
 licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}", url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx, http.MethodGet, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2024-07-31-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// getHandleResponse handles the Get response.
func (client *LicensesClient) getHandleResponse(resp *http.Response) (LicensesClientGetResponse, error) {
 result := LicensesClientGetResponse{}
 if err := runtime.UnmarshalAsJSON(resp, &result.License); err != nil {
  return LicensesClientGetResponse{}, err
 }
 return result, nil
}

// NewListByResourceGroupPager - The operation to get all licenses of a non-Azure machine
//
// Generated from
 API version 2024-07-31-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - options - LicensesClientListByResourceGroupOptions contains the optional parameters for the
LicensesClient.NewListByResourceGroupPager
//     method.
func (client *LicensesClient) NewListByResourceGroupPager(resourceGroupName string, options
```

```
*LicensesClientListByResourceGroupOptions) *runtime.Pager[LicensesClientListByResourceGroupResponse] {
 return runtime.NewPager(runtime.PagingHandler[LicensesClientListByResourceGroupResponse]{
  More: func(page LicensesClientListByResourceGroupResponse) bool {
   return page.NextLink != nil && len(*page.NextLink) > 0
  },
  Fetcher: func(ctx context.Context, page *LicensesClientListByResourceGroupResponse)
(LicensesClientListByResourceGroupResponse, error) {
   ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, "LicensesClient.NewListByResourceGroupPager")
   nextLink := ""
   if page != nil {
    nextLink = *page.NextLink
   }
   resp,
 err := runtime.FetcherForNextLink(ctx, client.internal.Pipeline(), nextLink, func(ctx context.Context)
(*policy.Request, error) {
    return client.listByResourceGroupCreateRequest(ctx, resourceGroupName, options)
   }, nil)
   if err != nil {
    return LicensesClientListByResourceGroupResponse{}, err
   }
   return client.listByResourceGroupHandleResponse(resp)
  },
  Tracer: client.internal.Tracer(),
 })
}

// listByResourceGroupCreateRequest creates the ListByResourceGroup request.
func (client *LicensesClient) listByResourceGroupCreateRequest(ctx context.Context, resourceGroupName string,
options *LicensesClientListByResourceGroupOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es"
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if
 client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 req, err := runtime.NewRequest(ctx, http.MethodGet, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2024-07-31-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
```

```
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// listByResourceGroupHandleResponse handles the ListByResourceGroup response.
func (client *LicensesClient) listByResourceGroupHandleResponse(resp *http.Response)
(LicensesClientListByResourceGroupResponse, error) {
 result := LicensesClientListByResourceGroupResponse{}
 if err := runtime.UnmarshalAsJSON(resp, &result.LicensesListResult); err != nil {
  return LicensesClientListByResourceGroupResponse{}, err
 }
 return
 result, nil
}

// NewListBySubscriptionPager - The operation to get all licenses of a non-Azure machine
//
// Generated from API version 2024-07-31-preview
//   - options - LicensesClientListBySubscriptionOptions contains the optional parameters for the
LicensesClient.NewListBySubscriptionPager
//     method.
func (client *LicensesClient) NewListBySubscriptionPager(options *LicensesClientListBySubscriptionOptions)
*runtime.Pager[LicensesClientListBySubscriptionResponse] {
 return runtime.NewPager(runtime.PagingHandler[LicensesClientListBySubscriptionResponse]{
  More: func(page LicensesClientListBySubscriptionResponse) bool {
   return page.NextLink != nil && len(*page.NextLink) > 0
  },
  Fetcher: func(ctx context.Context, page *LicensesClientListBySubscriptionResponse)
(LicensesClientListBySubscriptionResponse, error) {
   ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, "LicensesClient.NewListBySubscriptionPager")
   nextLink := ""
   if page != nil {
    nextLink = *page.NextLink
   }
   resp,
 err := runtime.FetcherForNextLink(ctx, client.internal.Pipeline(), nextLink, func(ctx context.Context)
(*policy.Request, error) {
    return client.listBySubscriptionCreateRequest(ctx, options)
   }, nil)
   if err != nil {
    return LicensesClientListBySubscriptionResponse{}, err
   }
   return client.listBySubscriptionHandleResponse(resp)
  },
  Tracer: client.internal.Tracer(),
 })
}
```

```
// listBySubscriptionCreateRequest creates the ListBySubscription request.
func (client *LicensesClient) listBySubscriptionCreateRequest(ctx context.Context, options
*LicensesClientListBySubscriptionOptions) (*policy.Request, error) {
 urlPath := "/subscriptions/{subscriptionId}/providers/Microsoft.HybridCompute/licenses"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 req, err := runtime.NewRequest(ctx, http.MethodGet,
 runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2024-07-31-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// listBySubscriptionHandleResponse handles the ListBySubscription response.
func (client *LicensesClient) listBySubscriptionHandleResponse(resp *http.Response)
(LicensesClientListBySubscriptionResponse, error) {
 result := LicensesClientListBySubscriptionResponse{}
 if err := runtime.UnmarshalAsJSON(resp, &result.LicensesListResult); err != nil {
  return LicensesClientListBySubscriptionResponse{}, err
 }
 return result, nil
}

// BeginUpdate - The operation to update a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-07-31-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName
 - The name of the license.
//   - parameters - Parameters supplied to the Update license operation.
//   - options - LicensesClientBeginUpdateOptions contains the optional parameters for the
LicensesClient.BeginUpdate method.
func (client *LicensesClient) BeginUpdate(ctx context.Context, resourceGroupName string, licenseName string,
parameters LicenseUpdate, options *LicensesClientBeginUpdateOptions)
(*runtime.Poller[LicensesClientUpdateResponse], error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.update(ctx, resourceGroupName, licenseName, parameters, options)
  if err != nil {
   return nil, err
  }
```

```
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientUpdateResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientUpdateResponse]{
   Tracer:
 client.internal.Tracer(),
  })
 }
}

// Update - The operation to update a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-07-31-preview
func (client *LicensesClient) update(ctx context.Context, resourceGroupName string, licenseName string,
parameters LicenseUpdate, options *LicensesClientBeginUpdateOptions) (*http.Response, error) {
 var err error
 const operationName = "LicensesClient.BeginUpdate"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.updateCreateRequest(ctx, resourceGroupName, licenseName, parameters, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return
 nil, err
 }
 return httpResp, nil
}

// updateCreateRequest creates the Update request.
func (client *LicensesClient) updateCreateRequest(ctx context.Context, resourceGroupName string, licenseName
string, parameters LicenseUpdate, options *LicensesClientBeginUpdateOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if client.subscriptionID == "" {
```

```
 return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}",
 url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx, http.MethodPatch, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2024-07-31-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 if err := runtime.MarshalAsJSON(req, parameters); err != nil {
  return nil, err
 }
 return req, nil
}

// BeginValidateLicense - The operation to validate a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-07-31-preview
//   - parameters - Parameters supplied to the license validation operation.
//   - options - LicensesClientBeginValidateLicenseOptions contains the optional parameters for the
LicensesClient.BeginValidateLicense
//     method.
func (client *LicensesClient) BeginValidateLicense(ctx context.Context, parameters License, options
*LicensesClientBeginValidateLicenseOptions)
 (*runtime.Poller[LicensesClientValidateLicenseResponse], error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.validateLicense(ctx, parameters, options)
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientValidateLicenseResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
```

```
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientValidateLicenseResponse]{
   Tracer: client.internal.Tracer(),
  })
 }
}

// ValidateLicense - The operation to validate a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-07-31-preview
func (client *LicensesClient) validateLicense(ctx context.Context, parameters License, options
*LicensesClientBeginValidateLicenseOptions)
 (*http.Response, error) {
 var err error
 const operationName = "LicensesClient.BeginValidateLicense"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.validateLicenseCreateRequest(ctx, parameters, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return nil, err
 }
 return httpResp, nil
}

// validateLicenseCreateRequest creates the ValidateLicense request.
func (client *LicensesClient) validateLicenseCreateRequest(ctx context.Context, parameters License, options
*LicensesClientBeginValidateLicenseOptions) (*policy.Request, error) {
 urlPath := "/subscriptions/{subscriptionId}/providers/Microsoft.HybridCompute/validateLicense"
 if client.subscriptionID
 == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 req, err := runtime.NewRequest(ctx, http.MethodPost, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
```

```
 reqQP.Set("api-version", "2024-07-31-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 if err := runtime.MarshalAsJSON(req, parameters); err != nil {
  return nil, err
 }
 return req, nil
}
```

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```
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  SOFTWARE
//go:build go1.18
// +build go1.18

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// Code generated by Microsoft (R) AutoRest Code Generator.
// Changes may cause incorrect behavior and will be lost if the code is regenerated.
// DO NOT EDIT.

package armhybridcompute_test

import (
 "context"
 "log"

 "github.com/Azure/azure-sdk-for-go/sdk/azcore/to"
 "github.com/Azure/azure-sdk-for-go/sdk/azidentity"
 "github.com/Azure/azure-sdk-for-go/sdk/resourcemanager/hybridcompute/armhybridcompute/v2"
)

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/63d530d0def1c624f5d42d39170ff4ac196522e2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2024-07-31-preview/examples/license/License_ValidateLicense.json
func ExampleLicensesClient_BeginValidateLicense() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err !=
 nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
```

```
if err != nil {
 log.Fatalf("failed to create client: %v", err)
}
poller, err := clientFactory.NewLicensesClient().BeginValidateLicense(ctx, armhybridcompute.License{
 Location: to.Ptr("eastus2euap"),
 Properties: &armhybridcompute.LicenseProperties{
  LicenseDetails: &armhybridcompute.LicenseDetails{
   Type:       to.Ptr(armhybridcompute.LicenseCoreTypePCore),
   Edition:    to.Ptr(armhybridcompute.LicenseEditionDatacenter),
   Processors: to.Ptr[int32](6),
   State:      to.Ptr(armhybridcompute.LicenseStateActivated),
   Target:     to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
  },
  LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 },
}, nil)
if err != nil {
 log.Fatalf("failed to finish the request: %v", err)
}
res, err := poller.PollUntilDone(ctx, nil)
if err !=
nil {
 log.Fatalf("failed to pull the result: %v", err)
}
// You could use response here. We use blank identifier for just demo purposes.
_ = res
// If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
// res.License = armhybridcompute.License{
//  Name: to.Ptr("{licenseName}"),
//  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
//  ID: to.Ptr("/subscriptions/{subscriptionId}/providers/Microsoft.HybridCompute/Licenses/{licenseName}"),
//  Location: to.Ptr("eastus2euap"),
//  Properties: &armhybridcompute.LicenseProperties{
//   LicenseDetails: &armhybridcompute.LicenseDetails{
//    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
//    AssignedLicenses: to.Ptr[int32](2),
//    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
//    ImmutableID: to.Ptr("<generated Guid>"),
//    Processors: to.Ptr[int32](6),
//
   State: to.Ptr(armhybridcompute.LicenseStateActivated),
//    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
//   },
//   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
//   TenantID: to.Ptr("{tenandId}"),
//  },
// }
```

```
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/63d530d0def1c624f5d42d39170ff4ac196522e2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2024-07-31-preview/examples/license/License_CreateOrUpdate.json
func ExampleLicensesClient_BeginCreateOrUpdate() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 poller, err := clientFactory.NewLicensesClient().BeginCreateOrUpdate(ctx, "myResourceGroup",
 "{licenseName}", armhybridcompute.License{
  Location: to.Ptr("eastus2euap"),
  Properties: &armhybridcompute.LicenseProperties{
   LicenseDetails: &armhybridcompute.LicenseDetails{
    Type:       to.Ptr(armhybridcompute.LicenseCoreTypePCore),
    Edition:    to.Ptr(armhybridcompute.LicenseEditionDatacenter),
    Processors: to.Ptr[int32](6),
    State:      to.Ptr(armhybridcompute.LicenseStateActivated),
    Target:     to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
   },
   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
  },
 }, nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 res, err := poller.PollUntilDone(ctx, nil)
 if err != nil {
  log.Fatalf("failed to pull the result: %v", err)
 }
 // You could use response here. We use blank identifier for just demo purposes.
 _ = res
 // If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values
 in the output are fake values for just demo purposes.
 // res.License = armhybridcompute.License{
 //  Name: to.Ptr("{licenseName}"),
 //  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
 //  ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
 //  Location: to.Ptr("eastus2euap"),
```

```
 //  Properties: &armhybridcompute.LicenseProperties{
 //   LicenseDetails: &armhybridcompute.LicenseDetails{
 //    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
 //    AssignedLicenses: to.Ptr[int32](2),
 //    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //    ImmutableID: to.Ptr("<generated Guid>"),
 //    Processors: to.Ptr[int32](6),
 //    State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //   },
 //   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //   TenantID: to.Ptr("{tenandId}"),
 //  },
 // }
}

// Generated
 from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/63d530d0def1c624f5d42d39170ff4ac196522e2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2024-07-31-preview/examples/license/License_Update.json
func ExampleLicensesClient_BeginUpdate() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 poller, err := clientFactory.NewLicensesClient().BeginUpdate(ctx, "myResourceGroup", "{licenseName}",
armhybridcompute.LicenseUpdate{
  Properties: &armhybridcompute.LicenseUpdateProperties{
   LicenseDetails: &armhybridcompute.LicenseUpdatePropertiesLicenseDetails{
    Type:       to.Ptr(armhybridcompute.LicenseCoreTypePCore),
    Edition:    to.Ptr(armhybridcompute.LicenseEditionDatacenter),
    Processors:
 to.Ptr[int32](6),
    State:      to.Ptr(armhybridcompute.LicenseStateActivated),
    Target:     to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
   },
   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
  },
 }, nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 res, err := poller.PollUntilDone(ctx, nil)
```

```
 if err != nil {
  log.Fatalf("failed to pull the result: %v", err)
 }
 // You could use response here. We use blank identifier for just demo purposes.
 _ = res
 // If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
 // res.License = armhybridcompute.License{
 //  Name: to.Ptr("{licenseName}"),
 //  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
 //  ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/lice
nses/{licenseName}"),
 //
  Location: to.Ptr("eastus2euap"),
 //  Properties: &armhybridcompute.LicenseProperties{
 //   LicenseDetails: &armhybridcompute.LicenseDetails{
 //    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
 //    AssignedLicenses: to.Ptr[int32](8),
 //    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //    ImmutableID: to.Ptr("<generated Guid>"),
 //    Processors: to.Ptr[int32](6),
 //    State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //   },
 //   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //   TenantID: to.Ptr("{tenandId}"),
 //  },
 // }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/63d530d0def1c624f5d42d39170ff4ac196522e2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2024-07-31-preview/examples/license/License_Get.json
func ExampleLicensesClient_Get() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if
 err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 res, err := clientFactory.NewLicensesClient().Get(ctx, "myResourceGroup", "{licenseName}", nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
```

```
 }
 // You could use response here. We use blank identifier for just demo purposes.
 _ = res
 // If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
 // res.License = armhybridcompute.License{
 //  Name: to.Ptr("{licenseName}"),
 //  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
 //  ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
 //
  Location: to.Ptr("eastus2euap"),
 //  Properties: &armhybridcompute.LicenseProperties{
 //   LicenseDetails: &armhybridcompute.LicenseDetails{
 //    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
 //    AssignedLicenses: to.Ptr[int32](8),
 //    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //    ImmutableID: to.Ptr("<generated Guid>"),
 //    Processors: to.Ptr[int32](6),
 //    State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //   },
 //   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //   TenantID: to.Ptr("{tenandId}"),
 //  },
 // }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/63d530d0def1c624f5d42d39170ff4ac196522e2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2024-07-31-preview/examples/license/License_Delete.json
func ExampleLicensesClient_BeginDelete()
 {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 poller, err := clientFactory.NewLicensesClient().BeginDelete(ctx, "myResourceGroup", "{licenseName}", nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 _, err = poller.PollUntilDone(ctx, nil)
```

```
 if err != nil {
  log.Fatalf("failed to pull the result: %v", err)
 }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/63d530d0def1c624f5d42d39170ff4ac196522e2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2024-07-31-
preview/examples/license/License_ListByResourceGroup.json
func ExampleLicensesClient_NewListByResourceGroupPager() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if
 err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 pager := clientFactory.NewLicensesClient().NewListByResourceGroupPager("myResourceGroup", nil)
 for pager.More() {
  page, err := pager.NextPage(ctx)
  if err != nil {
   log.Fatalf("failed to advance page: %v", err)
  }
  for _, v := range page.Value {
   // You could use page here. We use blank identifier for just demo purposes.
   _ = v
  }
  // If the HTTP response code is 200 as defined in example definition, your page structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
  // page.LicensesListResult = armhybridcompute.LicensesListResult{
  //  Value: []*armhybridcompute.License{
  //   {
  //    Name: to.Ptr("{licenseName}"),
  //
   Type: to.Ptr("Microsoft.HybridCompute/licenses"),
  //    ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
  //    Location: to.Ptr("eastus2euap"),
  //    Properties: &armhybridcompute.LicenseProperties{
  //     LicenseDetails: &armhybridcompute.LicenseDetails{
  //      Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
  //      AssignedLicenses: to.Ptr[int32](8),
  //      Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
  //      ImmutableID: to.Ptr("<generated Guid>"),
```

```
 //      Processors: to.Ptr[int32](6),
 //      State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //      Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //     },
 //     LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //     TenantID: to.Ptr("{tenandId}"),
 //    },
 //  }},
 // }
 }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/63d530d0def1c624f5d42d39170ff4ac196522e2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2024-07-31-
preview/examples/license/License_ListBySubscription.json
func
 ExampleLicensesClient_NewListBySubscriptionPager() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 pager := clientFactory.NewLicensesClient().NewListBySubscriptionPager(nil)
 for pager.More() {
  page, err := pager.NextPage(ctx)
  if err != nil {
   log.Fatalf("failed to advance page: %v", err)
  }
  for _, v := range page.Value {
   // You could use page here. We use blank identifier for just demo purposes.
   _ = v
  }
  // If the HTTP response code is 200 as defined in example definition, your page structure would look as
 follows. Please pay attention that all the values in the output are fake values for just demo purposes.
  // page.LicensesListResult = armhybridcompute.LicensesListResult{
  //  Value: []*armhybridcompute.License{
  //   {
  //    Name: to.Ptr("{licenseName}"),
  //    Type: to.Ptr("Microsoft.HybridCompute/licenses"),
  //    ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
  //    Location: to.Ptr("eastus2euap"),
```

```
 //    Properties: &armhybridcompute.LicenseProperties{
 //     LicenseDetails: &armhybridcompute.LicenseDetails{
 //      Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
 //      AssignedLicenses: to.Ptr[int32](8),
 //      Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //      ImmutableID: to.Ptr("<generated Guid>"),
 //      Processors: to.Ptr[int32](6),
 //      State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //      Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //
    },
 //     LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //     TenantID: to.Ptr("{tenandId}"),
 //    },
 //  }},
 // }
 }
}
```

1.7292 kubernetes-client 0.32.0

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1.7294 kubernetes-apimachinery 0.32.0

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1.7297 collector-pdata 1.12.0

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1.7298 collector-semconv 0.105.0

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1.7299 opencontainers-runtime-spec 1.2.0

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1.7300 rekor 1.3.6

1.7300.1 Available under license :

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Pull Request Process

1. Create an [issue](https://github.com/sigstore/rekor/issues)
outlining the fix or feature.
2. Fork the rekor repository to your own github account and clone it locally.
3. Hack on your changes.
4. Update the README.md with details of changes to any interface, this includes new environment
variables, exposed ports, useful file locations, CLI parameters and
new or changed configuration values.
5. Correctly format your commit message see [Commit Messages](#Commit Message Guidelines)
below.
6. Ensure that CI passes, if it fails, fix the failures.
7. Every pull request requires a review from the [core rekor
team](https://github.com/orgs/github.com/sigstore/teams/core-team)
before merging.
8. If your pull request consists of more than one commit, please squash your
commits as described in

[Squash Commits](#Squash Commits)

Commit Message Guidelines

We follow the commit formatting recommendations found on [Chris Beams' How to Write a Git Commit Message article]((https://chris.beams.io/posts/git-commit/).

Well formed commit messages not only help reviewers understand the nature of
the Pull Request, but also assists the release process where commit messages
are used to generate release notes.

A good example of a commit message would be as follows:

```
Summarize changes in around 50 characters or less

More detailed explanatory text, if necessary. Wrap it to about 72
characters or so. In some contexts, the first line is treated as the
subject of the commit and the rest of the text as the body. The
blank line separating the summary from the body is critical (unless
you omit the body entirely); various tools like `log`, `shortlog`
and `rebase` can get confused if you run the two together.

Explain the problem that this commit is solving. Focus on why you
are making this
 change as opposed to how (the code explains that).
Are there side effects or other unintuitive consequences of this
change? Here's the place to explain them.

Further paragraphs come after blank lines.

- Bullet points are okay, too

- Typically a hyphen or asterisk is used for the bullet, preceded
  by a single space, with blank lines in between, but conventions
  vary here

If you use an issue tracker, put references to them at the bottom,
like this:

Resolves: #123
See also: #456, #789
```

Note the `Resolves #123` tag, this references the issue raised and allows us to
ensure issues are associated and closed when a pull request is merged.

Please refer to [the github help page on message types](https://help.github.com/articles/closing-issues-using-

keywords/)
for a complete list of issue references.

Squash Commits

Should your pull request consist of more than one commit (perhaps due to
a change being requested during the review cycle), please perform a git squash
once a reviewer
has approved your pull request.

A squash can be performed as follows. Let's say you have the following commits:

```
initial commit
second commit
final commit
```

Run the command below with the number set to the total commits you wish to
squash (in our case 3 commits):

```
git rebase -i HEAD~3
```

You default text editor will then open up and you will see the following::

```
pick eb36612 initial commit
pick 9ac8968 second commit
pick a760569 final commit

# Rebase eb1429f..a760569 onto eb1429f (3 commands)
```

We want to rebase on top of our first commit, so we change the other two commits
to `squash`:

```
pick eb36612 initial commit
squash 9ac8968 second commit
squash a760569 final commit
```

After this, should you wish to update your commit message to better summarise
all of your pull request, run:

```
git commit --amend
```

You will then need to force push (assuming your initial commit(s) were posted
to github):

```
git push origin your-branch --force
```

Alternatively,

a core member can squash your commits within Github.
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1.7301 ansi 0.0.0-20200706080929-d51e80ef957d

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1.7302 godotenv 1.5.1

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1.7303 mockito-junit-jupiter 5.14.2

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1.7304 spring-hateoas 2.4.1

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1.7305 junit-jupiter-params 5.11.4

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1.7306 assertj-core 3.26.3

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* Base class for all implementations of assertions for {@link Integer}s.
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* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API implementation"
* for
 more details.
*
* @author Drummond Dawson
* @author Yvonne Wang
* @author David DIDIER
* @author Ansgar Konermann
* @author Alex Ruiz
* @author Joel Costigliola
* @author Mikhail Mazursky
* @author Nicolas François
* @author Cal027
*/

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* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/api/AbstractIntegerAssert.java
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* Base class for all implementations of assertions for {@link Long}s.
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 details.
*
* @author Drummond Dawson
* @author Yvonne Wang
* @author David DIDIER
* @author Ansgar Konermann
* @author Alex Ruiz
* @author Joel Costigliola
* @author Mikhail Mazursky
* @author Nicolas François
* @author Cal027
*/

Found in path(s):
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/api/AbstractLongAssert.java
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/**
* Base class for all implementations of assertions for {@link BigDecimal}s.
*
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* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API implementation"
*
 for more details.
*
* @author Drummond Dawson
* @author David DIDIER
* @author Ted M. Young

* @author Yvonne Wang
* @author Alex Ruiz
* @author Joel Costigliola
* @author Mikhail Mazursky
*/

Found in path(s):
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/api/AbstractBigDecimalAssert.java
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/**
* Base class for all implementations of assertions for {@link Double}s.
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* for
 more details.
*
* @author Drummond Dawson
* @author Yvonne Wang
* @author David DIDIER
* @author Alex Ruiz
* @author Ansgar Konermann
* @author Joel Costigliola
* @author Mikhail Mazursky
* @author Nicolas François
* @author Jack Gough
*/

Found in path(s):
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/api/AbstractDoubleAssert.java

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/**
* Base class for all implementations of assertions for {@link Float}s.
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*         target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;
*         for more
 details.
*
* @author Drummond Dawson
* @author Yvonne Wang
* @author Alex Ruiz
* @author Ansgar Konermann
* @author Mikhail Mazursky
* @author Nicolas François
* @author Jin Kwon
*/
```

Found in path(s):
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/api/AbstractFloatAssert.java
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/**
* Base class for all implementations of assertions for {@link File}s.
*
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* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation"
* for more
 details.
*
* @author David DIDIER
* @author Yvonne Wang
* @author Alex Ruiz
* @author Olivier Michallat
* @author Olivier Demeijer
* @author Mikhail Mazursky
* @author Jean-Christophe Gay
* @author Valeriy Vyrva
* @author Nikolaos Georgiou
* @author Rostyslav Ivankiv
*/

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* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-
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/**
* Base class for all implementations of assertions for {@link Boolean}s.
*

* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"
* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API implementation"
* for
 more details.
*
* @author Alex Ruiz
* @author Yvonne Wang
* @author David DIDIER
* @author Ansgar Konermann
* @author Mikhail Mazursky
*/

Found in path(s):
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/api/AbstractBooleanAssert.java
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/**
* Base class for all implementations of assertions for {@link Object}s.
*
* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"
* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API implementation"
* for
 more details.
* @param <ACTUAL> the type of the "actual" value.
*
* @author Yvonne Wang
* @author Alex Ruiz
* @author Nicolas François
* @author Mikhail Mazursky
* @author Joel Costigliola
* @author Libor Ondrusek

*/

Found in path(s):
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/**
* Base class for all implementations of assertions for {@link Map}s.
*
* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"
* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API implementation"
* for more
 details.
* @param <ACTUAL> the type of the "actual" value.
* @param <K> the type of keys in the map.
* @param <V> the type of values in the map.
*
* @author David DIDIER
* @author Yvonne Wang
* @author Alex Ruiz
* @author Mikhail Mazursky
* @author Nicolas François
* @author dorzey
* @author Filip Hrisafov
*/

Found in path(s):
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/api/AbstractMapAssert.java
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/**
* Base class for all implementations of assertions for {@link Date}s.
* <p>
* Note that assertions with date parameter come with two flavors, one is obviously a {@link Date} and the other is a
* {@link String} representing a Date.<br>
* For the latter, the default format follows ISO 8901: "yyyy-MM-dd", user can override
 it with a custom format by
* calling {@link #withDateFormat(DateFormat)}.<br>
* The user custom format will then be used for all next Date assertions (i.e not limited to the current assertion) in
* the test suite.<br>
* To turn back to default format, simply call {@link #withDefaultDateFormatsOnly()}.
*
* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"
*        target="_blank">Emulating 'self types' using Java Generics to simplify fluent API implementation</a>" for
*        more details.
* @author Tomasz Nurkiewicz (thanks for giving assertions idea)
* @author Joel Costigliola
* @author Mikhail Mazursky
* @author William Delanoue
* @author Michal Kordas
* @author Eddú Meléndez
*/
```

Found in path(s):
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/**
* Base class for all implementations of assertions for {@link List}s.
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*         target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;
*         for more
 details.
* @param <ACTUAL> the type of the "actual" value.
* @param <ELEMENT> the type of elements of the "actual" value.
* @param <ELEMENT_ASSERT> used for navigational assertions to return the right assert type.
*
* @author Yvonne Wang
* @author Alex Ruiz
* @author Joel Costigliola
* @author Mikhail Mazursky
* @author Jacek Jackowiak
*/
```

Found in path(s):
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/api/AbstractListAssert.java
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*/
/**
* Assertions methods applicable to groups of objects (e.g. arrays or collections.)
*
* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"
* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation"
*
 for more details.
* @param <ELEMENT> the type of elements of the "actual" value.
*
* @author Yvonne Wang
* @author Alex Ruiz
* @author Nicolas François
* @author Mikhail Mazursky
* @author Joel Costigliola
* @author Nicolas François
* @author Florent Biville
*/

Found in path(s):
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-
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/**
* Base class for all implementations of assertions for {@link InputStream}s.
* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"
* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation"
* for

more details.
* @param <ACTUAL> the type of the "actual" value.
*
* @author Matthieu Baechler
* @author Mikhail Mazursky
* @author Stefan Birkner
*/

Found in path(s):
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/api/AbstractInputStreamAssert.java
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/**
* Base class for all implementations of assertions for {@link Collection}s.
* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"
* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API implementation"
* for
more details.
* @param <ACTUAL> the type of the "actual" value.
* @param <ELEMENT> the type of elements of the "actual" value.
* @param <ELEMENT_ASSERT> used for navigational assertions to return the right assert type.
*
* @since 3.21.0
*/

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* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/api/AbstractCollectionAssert.java
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/**
* Base class for all implementations of assertions for {@link Class}es.
*
* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"
* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation"
* for
 more details.
*
* @author William Delanoue
* @author Mikhail Mazursky
*/

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/**
* Base class for all implementations of assertions for {@link Character}s.
*
* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"

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*         target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;
*         for
 more details.
*
* @author Yvonne Wang
* @author David DIDIER
* @author Ansgar Konermann
* @author Alex Ruiz
* @author Joel Costigliola
* @author Mikhail Mazursky
*/
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Found in path(s):
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/**
* Base class for all implementations of assertions for {@code CharSequence}s.
*
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*         target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;
*
   for more details.
* @param <ACTUAL> the type of the "actual" value.
*
* @author Yvonne Wang
* @author David DIDIER
* @author Alex Ruiz
* @author Joel Costigliola
* @author Mikhail Mazursky
* @author Nicolas Francois
```

* @author Daniel Weber
*/

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* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API implementation"
* for more details.
* @param <ACTUAL> the type
 of the "actual" value.
*
* @author Alex Ruiz
* @author Joel Costigliola
* @author Mikhail Mazursky
* @author Nicolas François
*/

Found in path(s):
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/api/AbstractAssert.java
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*/
/**
* Base class for all implementations of assertions for {@link Throwable}s.
*
* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"
* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation"
* for
 more details.
* @param <ACTUAL> the type of the "actual" value.
*
* @author David DIDIER
* @author Alex Ruiz
* @author Joel Costigliola
* @author Mikhail Mazursky
* @author Jack Gough
* @author Mike Gilchrist
* @author Pawe Baczyski
*/

Found in path(s):
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-
jar/org/assertj/core/api/AbstractThrowableAssert.java
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*/
/**

```
* Base class for implementations of <code>{@link ObjectEnumerableAssert}</code> whose actual value type is
* <code>{@link Collection}</code>.
*
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*         target="_blank">Emulating 'self types' using Java Generics
 to simplify fluent API implementation</a>&quot;
*         for more details.
* @param <ACTUAL> the type of the "actual" value.
* @param <ELEMENT> the type of elements of the "actual" value.
* @param <ELEMENT_ASSERT> used for navigational assertions to return the right assert type.
*
* @author Yvonne Wang
* @author Alex Ruiz
* @author Mathieu Baechler
* @author Joel Costigliola
* @author Maciej Jaskowski
* @author Nicolas François
* @author Mikhail Mazursky
* @author Mateusz Haligowski
* @author Lovro Pandzic
* @author Marko Bekhta
*/
```

Found in path(s):
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/api/AbstractIterableAssert.java
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```
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*
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*/
/**
* Base class for all implementations of assertions for {@link LongAdder}s.
*
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*             target="_blank">Emulating 'self types' using Java Generics to simplify fluent API implementation</a>&quot;
```

*
for more details.
*
* @author Grzegorz Piwowarek
* @since 3.16.0
*/

Found in path(s):
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/api/AbstractLongAdderAssert.java
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* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/internal/ObjectArrayElementComparisonStrategy.java
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/api/AssertFactory.java
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/presentation/CompositeRepresentation.java
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/api/AbstractBigDecimalScaleAssert.java
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/api/FactoryBasedNavigableIterableAssert.java
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/internal/RecursiveHelper.java
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* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/error/ShouldHaveDimensions.java
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-

jar/org/assertj/core/util/Maps.java
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* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/error/ShouldBeEmptyDirectory.java
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/api/Assert.java
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/error/ShouldBeOfClassIn.java
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/error/ShouldHaveSizeLessThanOrEqualTo.java
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* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/internal/ChronoLocalDateTimeComparator.java
* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/error/ShouldBeEqualNormalizingPunctuationAndWhitespace.java
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* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/api/Float2DArrayAssert.java
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* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/internal/TypeComparators.java

* /opt/cola/permits/2314781027_1736745588.0386088/0/assertj-core-3-26-3-sources-jar/org/assertj/core/util/Paths.java
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*/
/**
* Base class for all implementations of assertions for {@link Byte}s.
*
```

* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"
* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API implementation"
* for more
 details.
*
* @author Drummond Dawson
* @author Yvonne Wang
* @author David DIDIER
* @author Ansgar Konermann
* @author Alex Ruiz
* @author Mikhail Mazursky
* @author Nicolas François
* @author Cal027
*/

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*/
/**
* Base class for all implementations of assertions for {@link Short}s.
*
* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"
* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API implementation"
* for more
 details.
*
* @author Drummond Dawson
* @author Yvonne Wang
* @author David DIDIER
* @author Ansgar Konermann

* @author Alex Ruiz
* @author Mikhail Mazursky
* @author Nicolas François
* @author Cal027
*/

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1.7307 junit-jupiter 5.14.2

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1.7308 go-colorful 1.2.0

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1.7309 log4j-to-slf4j 2.24.3

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1.7316 contrib-instrumentation-google.golang.org-grpc-otelgrpc 0.58.0

1.7316.1 Available under license :

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1.7317 pgx 5.7.2

1.7317.1 Available under license :

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1.7318 aws-sdk-go-v2-service-elasticloadbalancingv2 1.42.0

1.7318.1 Available under license :

```
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package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
   - Fingerprint
 //
```

```
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }
```

```
if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err =
addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
```

```
 return err
 }
 if err = addCredentialSource(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return
 err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
```

```
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
       uses: actions/checkout@v2
       with:
         path: new-ref
         fetch-depth: 0
     - name: Get Diff
       run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
     - name: Get Target Files
       run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
     - name: Checkout scancode
       uses: actions/checkout@v2
       with:
         repository: nexB/scancode-toolkit
         path: scancode-toolkit
         fetch-depth: 1
     - name: Set up Python ${{ matrix.python-version }}
        uses: actions/setup-python@v2
       with:
         python-version: ${{ matrix.python-version }}
     # ScanCode
     - name: Self-configure scancode
       working-directory: ./scancode-toolkit
       run: ./scancode --help
     - name: Run Scan code on target
       run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
     - name: Run Scan code on pr ref
       run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
```

```
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses are the same. Success."; exit 0; fi
DeleteLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  SetCredentialSourceMiddleware
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  spanRetryLoop
  Retry
  RetryMetricsHeader
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
ListLicenses
 Initialize stack step
```

```
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  SetCredentialSourceMiddleware
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  spanRetryLoop
  Retry
  RetryMetricsHeader
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
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package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
```

```
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata
```

```
 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
 err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
```

```
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if
err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addCredentialSource(stack, options); err != nil {
 return err
}
if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options);
err != nil {
 return err
}
```

```
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }
```

```
 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
```

```
if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err !=
nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err
!= nil {
 return err
}
```

```
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addCredentialSource(stack, options); err != nil {
  return err
 }
 if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if
 err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
```

```
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
```

```
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack,
 options, "ListLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
```

```
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addCredentialSource(stack, options); err != nil {
```

```
 return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
 return err
 }
 if err = addRecursionDetection(stack); err != nil {
 return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
 return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
 return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
 }
 if err = addSpanInitializeStart(stack);
 err != nil {
 return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
 return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
 return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "ListLicenses",
 }
}
DisassociateLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
```

legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
SetCredentialSourceMiddleware
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
spanRetryLoop
Retry
RetryMetricsHeader
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "metadata": {
      "suppressions": [
          {
              "id": "HttpMethodSemantics",
              "namespace": "*"
          },
          {
              "id": "HttpResponseCodeSemantics",
```

```
            "namespace": "*"
        },
        {
            "id": "PaginatedTrait",
            "namespace": "*"
        },
        {
            "id": "HttpHeaderTrait",
            "namespace": "*"
        },
        {
            "id": "HttpUriConflict",
            "namespace": "*"
        },
        {
            "id": "Service",
            "namespace": "*"
        }
    ]
},
"shapes": {
    "com.amazonaws.licensemanager#AWSLicenseManager": {
        "type": "service",
        "version": "2018-08-01",
        "operations": [
            {
                "target": "com.amazonaws.licensemanager#AcceptGrant"
            },

 {
                "target": "com.amazonaws.licensemanager#CheckInLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CheckoutLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateGrant"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateGrantVersion"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateLicense"
            },
            {
```

"target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseVersion"
},
{
"target": "com.amazonaws.licensemanager#CreateToken"
},
{
"target": "com.amazonaws.licensemanager#DeleteGrant"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicense"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#DeleteToken"
},
{
"target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

},
{
"target": "com.amazonaws.licensemanager#GetAccessToken"
},
{
"target": "com.amazonaws.licensemanager#GetGrant"
},
{
"target": "com.amazonaws.licensemanager#GetLicense"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
},

{
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseUsage"
},
{
"target": "com.amazonaws.licensemanager#GetServiceSettings"
},
{
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#ListDistributedGrants"
},
{
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
},
{
"target": "com.amazonaws.licensemanager#ListLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
},
{

"target": "com.amazonaws.licensemanager#ListLicenseVersions"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedGrants"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"

```
    },
    {
      "target": "com.amazonaws.licensemanager#ListResourceInventory"
    },
    {
      "target": "com.amazonaws.licensemanager#ListTagsForResource"
    },
    {
      "target": "com.amazonaws.licensemanager#ListTokens"
    },
    {
      "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
    },
    {
      "target": "com.amazonaws.licensemanager#RejectGrant"
    },
    {
      "target": "com.amazonaws.licensemanager#TagResource"
    },
    {
      "target": "com.amazonaws.licensemanager#UntagResource"
    },
    {
      "target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
    },
    {
      "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
    },
    {
      "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
    },
    {
      "target": "com.amazonaws.licensemanager#UpdateServiceSettings"
    }
  ],
  "traits": {
    "aws.api#service": {
      "sdkId": "License Manager",
      "arnNamespace": "license-manager",
      "cloudFormationName": "LicenseManager",
      "cloudTrailEventSource": "license-manager.amazonaws.com",
      "endpointPrefix": "license-manager"
    },
    "aws.auth#sigv4": {
      "name": "license-manager"
    },
    "aws.protocols#awsJson1_1": {},
    "smithy.api#documentation": "<p>License Manager makes it easier to manage licenses from software
```

vendors across multiple \n Amazon Web Services accounts and on-premises servers.</p>",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
},
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
},
"rules": [
{
"conditions": [
{
"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
]

```
 }
],
"rules": [
    {
        "conditions": [
            {
                "fn": "booleanEquals",
                "argv": [
                    {
                        "ref": "UseFIPS"
                    },
                    true
                ]
            }
        ],
        "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
        "type": "error"
    },
    {
        "conditions": [

{
                "fn": "booleanEquals",
                "argv": [
                    {
                        "ref": "UseDualStack"
                    },
                    true
                ]
            }
        ],
        "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
        "type": "error"
    },
    {
        "conditions": [],
        "endpoint": {
            "url": {
                "ref": "Endpoint"
            },
             "properties": {},
            "headers": {}
        },
        "type": "endpoint"
    }
],
"type": "tree"
```

```
                },
                {
                    "conditions": [
                        {
                            "fn": "isSet",
                            "argv": [
                                {
                                    "ref": "Region"
                                }
                            ]
                        }
                    ],
                    "rules": [
                        {
                            "conditions": [
                                {

"fn": "aws.partition",
                                    "argv": [
                                        {
                                            "ref": "Region"
                                        }
                                    ],
                                    "assign": "PartitionResult"
                                }
                            ],
                            "rules": [
                                {
                                    "conditions": [
                                        {
                                            "fn": "booleanEquals",
                                            "argv": [
                                                {
                                                    "ref": "UseFIPS"
                                                },

                        true
                                            ]
                                        },
                                        {
                                            "fn": "booleanEquals",
                                            "argv": [
                                                {
                                                    "ref": "UseDualStack"
                                                },
                                                true
                                            ]
                                        }
```

```
                    ],
                    "rules": [
                      {
                        "conditions": [
                          {

                "fn": "booleanEquals",
                            "argv": [
                              true,
                              {
                                "fn": "getAttr",
                                "argv": [
                                  {
                                    "ref": "PartitionResult"
                                  },
                                  "supportsFIPS"
                                ]
                              }
                            ]

          },
                          {
                            "fn": "booleanEquals",
                            "argv": [
                              true,
                              {
                                "fn": "getAttr",
                                "argv": [
                                  {
                                    "ref": "PartitionResult"
                                  },
                                  "supportsDualStack"
                                ]

  }
                            ]
                          }
                        ],
                        "rules": [
                          {
                            "conditions": [],
                            "endpoint": {
                              "url": "https://license-manager-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                              "properties": {},
                              "headers": {}
                            },
                            "type": "endpoint"
```

```
                    }

            ],
                "type": "tree"
            },
            {
                "conditions": [],
                "error": "FIPS and DualStack are enabled, but this partition does not support one or both",
                "type": "error"
            }
        ],
        "type": "tree"
    },
    {
        "conditions": [
            {
                "fn": "booleanEquals",
                "argv": [

            {
                    "ref": "UseFIPS"
                },
                true
            ]
            }
        ],
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            {
                                "fn": "getAttr",
                                "argv": [

            {
                                    "ref": "PartitionResult"
                                },
                                "supportsFIPS"
                            ]
                        },
                        true
                    ]
                }
                ],
                "rules": [
```

```
                    {
                        "conditions": [],
                        "endpoint": {

"url": "https://license-manager-fips.{Region}.{PartitionResult#dnsSuffix}",
                            "properties": {},
                            "headers": {}
                        },
                        "type": "endpoint"
                    }
                ],
                "type": "tree"
            },
            {
                "conditions": [],
                "error": "FIPS is enabled but this partition does not support FIPS",
                "type": "error"
            }

        ],
        "type": "tree"
    },
    {
        "conditions": [
            {
                "fn": "booleanEquals",
                "argv": [
                    {
                        "ref": "UseDualStack"
                    },
                    true
                ]
            }
        ],
        "rules": [
            {

"conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {
                                "fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
```

"supportsDualStack"
]

}
]
}
],
"rules": [
{
"conditions": [],
"endpoint": {
"url": "https://license-
manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}

],
"type": "tree"
},
{
"conditions": [],
"error": "DualStack is enabled but this partition does not support DualStack",
"type": "error"
}
],
"type": "tree"
},
{
"conditions": [],
"endpoint": {
"url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},

"headers": {}
},
"type": "endpoint"
}
],
"type": "tree"
}
],
"type": "tree"
},
{
"conditions": [],

```
                "error": "Invalid Configuration: Missing Region",
                "type": "error"
            }
        ]
    },
    "smithy.rules#endpointTests": {
        "testCases": [
            {
                "documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
                "expect": {
                    "endpoint":
{
                        "url": "https://license-manager.af-south-1.amazonaws.com"
                    }
                },
                "params": {
                    "Region": "af-south-1",
                    "UseFIPS": false,
                    "UseDualStack": false
                }
            },
            {
                "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager.ap-east-1.amazonaws.com"
                    }
                },
                "params": {
                    "Region": "ap-east-1",
                    "UseFIPS": false,
                    "UseDualStack": false
                 }
            },
            {
                "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager.ap-northeast-1.amazonaws.com"
                    }
                },
                "params": {
                    "Region": "ap-northeast-1",
                    "UseFIPS": false,
                    "UseDualStack": false
                }
            },
            {
```

"documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-northeast-2.amazonaws.com"
}
},
"params": {
"Region": "ap-northeast-2",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-northeast-3.amazonaws.com"
}
},
"params": {
"Region": "ap-northeast-3",
"UseFIPS": false,
"UseDualStack": false
}

},
{
"documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-south-1.amazonaws.com"
}
},
"params": {
"Region": "ap-south-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-1.amazonaws.com"

}
},
"params": {

"Region": "ap-southeast-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-2.amazonaws.com"
}
},
"params": {
"Region": "ap-southeast-2",
"UseFIPS": false,
"UseDualStack": false
}
},
{

"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-3.amazonaws.com"
}
},
"params": {
"Region": "ap-southeast-3",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ca-central-1.amazonaws.com"
}
},

"params": {
"Region": "ca-central-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",

"expect": {
"endpoint": {
"url": "https://license-manager.eu-central-1.amazonaws.com"
}
},
"params": {
"Region": "eu-central-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-north-1 with
FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-north-1.amazonaws.com"
}
},
"params": {
"Region": "eu-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-south-1.amazonaws.com"
}
},
"params": {
"Region":
"eu-south-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-west-1.amazonaws.com"
}
},
"params": {
"Region": "eu-west-1",

"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
"expect": {

"endpoint": {
"url": "https://license-manager.eu-west-2.amazonaws.com"
}
},
"params": {
"Region": "eu-west-2",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-west-3.amazonaws.com"
}
},
"params": {
"Region": "eu-west-3",
"UseFIPS": false,

"UseDualStack": false
}
},
{
"documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.me-south-1.amazonaws.com"
}
},
"params": {
"Region": "me-south-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
"expect": {

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            "endpoint": {
                "url": "https://license-manager.sa-east-1.amazonaws.com"
             }
          },
          "params": {
            "Region": "sa-east-1",
            "UseFIPS": false,
            "UseDualStack": false
          }
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        {
          "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
                "url": "https://license-manager.us-east-1.amazonaws.com"
            }
          },
          "params": {
            "Region": "us-east-1",
            "UseFIPS": false,
            "UseDualStack": false
          }

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        {
          "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
          "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.us-east-1.amazonaws.com"
            }
          },
          "params": {
            "Region": "us-east-1",
            "UseFIPS": true,
            "UseDualStack": false
          }
        },
        {
          "documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
                "url": "https://license-manager.us-east-2.amazonaws.com"
            }

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          "params": {
            "Region": "us-east-2",
            "UseFIPS": false,
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"UseDualStack": false
}
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{
"documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-2.amazonaws.com"
}
},
"params": {
"Region": "us-east-2",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region
us-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-west-1.amazonaws.com"
}
},
"params": {

"Region": "us-west-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {

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                "url": "https://license-manager.us-west-2.amazonaws.com"
            }
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        "params": {
            "Region": "us-west-2",
            "UseFIPS": false,
            "UseDualStack": false
        }
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        "documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",

"expect": {
            "endpoint": {
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            }
        },
        "params": {
            "Region": "us-west-2",
            "UseFIPS": true,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.us-east-1.api.aws"
            }
        },
        "params": {
            "Region": "us-east-1",
            "UseFIPS": true,
             "UseDualStack": true
        }
    },
    {
        "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-east-1.api.aws"
            }
        },
        "params": {
            "Region": "us-east-1",
            "UseFIPS": false,
            "UseDualStack": true
        }
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            },
            {
              "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
                }
              },
              "params": {
                "Region": "cn-north-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
                }
              },
              "params": {
                "Region": "cn-northwest-1",
                "UseFIPS": false,
                "UseDualStack": false

        }
            },
            {
              "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
                }
              },
              "params": {
                "Region": "cn-north-1",
                "UseFIPS": true,
                "UseDualStack": true
              }
            },
            {
              "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
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            }
        },
        "params": {
            "Region": "cn-north-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
            }
        },
        "params": {
            "Region": "cn-north-1",
            "UseFIPS": false,
            "UseDualStack": true
        }
    },

{
        "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-gov-east-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"

}
        },
        "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
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            },
            {
              "documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-gov-west-1.amazonaws.com"
                }
              },
              "params": {
                "Region": "us-gov-west-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation":
"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
                }
              },
              "params": {
                "Region": "us-gov-west-1",
                "UseFIPS": true,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.us-gov-east-1.api.aws"
                }
              },

    "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": true,
                "UseDualStack": true
              }
            },
            {
              "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-gov-east-1.api.aws"
                }
```

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            },
            "params": {
              "Region": "us-gov-east-1",
              "UseFIPS": false,
              "UseDualStack": true
            }
          },
          {
            "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
              }
            },
            "params": {
              "Region": "us-iso-east-1",
              "UseFIPS": false,
              "UseDualStack": false
            }
          },
          {
            "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
              "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
            },
            "params": {
              "Region": "us-iso-east-1",
              "UseFIPS": true,
               "UseDualStack": true
            }
          },
          {
            "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
              }
            },
            "params": {
              "Region": "us-iso-east-1",
              "UseFIPS": true,
              "UseDualStack": false
            }
          },
          {
            "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
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"error": "DualStack is enabled
but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},

{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
}
},

"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},

```
            {
              "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
              "expect": {
                "error": "DualStack is enabled but this partition does not support DualStack"
              },
              "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": false,
                "UseDualStack": true
              }
            },
            {
              "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

    "expect": {
                "endpoint": {
                  "url": "https://example.com"
                }
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
            },
            {
              "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
              "expect": {
                "endpoint": {
                  "url": "https://example.com"
                }
              },
              "params": {
                "UseFIPS": false,

        "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
            },
            {
              "documentation": "For custom endpoint with fips enabled and dualstack disabled",
              "expect": {
                "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
              },
              "params": {
                "Region": "us-east-1",
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"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
"output": {
"target": "com.amazonaws.licensemanager#AcceptGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},

```
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"

        }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant
ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
```

```
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#AccessDeniedException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
            "httpResponseCode": 401
        },
        "smithy.api#documentation": "<p>Access to resource denied.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 401
    }
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
    "type": "enum",
    "members": {
        "DISTRIBUTED_GRANTS_ONLY": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
            }
        },
        "ALL_GRANTS_PERMITTED_BY_ISSUER": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
            }
        }
    }
},
"com.amazonaws.licensemanager#AllowedOperation": {
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    "type": "enum",
      "members": {
        "CREATE_GRANT": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "CreateGrant"
          }
        },
        "CHECKOUT_LICENSE": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "CheckoutLicense"
          }
        },
        "CHECKOUT_BORROW_LICENSE": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "CheckoutBorrowLicense"
          }
        },
        "CHECK_IN_LICENSE": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "CheckInLicense"
          }
        },
        "EXTEND_CONSUMPTION_LICENSE":
{
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "ExtendConsumptionLicense"
          }
        },
        "LIST_PURCHASED_LICENSES": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "ListPurchasedLicenses"
          }
        },
        "CREATE_TOKEN": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "CreateToken"
          }
        }
      }
    },
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"com.amazonaws.licensemanager#AllowedOperationList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#AllowedOperation"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max":
8
}
}
},
"com.amazonaws.licensemanager#Arn": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 2048
},
"smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
}
},
"com.amazonaws.licensemanager#ArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
}
},
"com.amazonaws.licensemanager#AuthorizationException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError":
{
"code": "AuthorizationFailure",
"httpResponseCode": 403
},
"smithy.api#documentation": " The Amazon Web Services user account does not have permission to perform the action. Check the IAM\n policy associated with this account. ",
"smithy.api#error": "client",
"smithy.api#httpError": 403
}

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    },
    "com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
        "type": "structure",
        "members": {
            "LastRunTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes automated discovery.</p>"
        }
    },

  "com.amazonaws.licensemanager#Boolean": {
        "type": "boolean",
        "traits": {
            "smithy.api#default": false
        }
    },
    "com.amazonaws.licensemanager#BorrowConfiguration": {
        "type": "structure",
        "members": {
            "AllowEarlyCheckIn": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxTimeToLiveInMinutes": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
                    "smithy.api#required": {}
                }
            }

},
        "traits": {
            "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#BoxBoolean": {
        "type": "boolean"
    },
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"com.amazonaws.licensemanager#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanager#BoxLong": {
"type": "long"
},
"com.amazonaws.licensemanager#CheckInLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks in the specified license. Check in a license when it is no longer in use. "
}
},
"com.amazonaws.licensemanager#CheckInLicenseRequest":

```
{
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
            },
            {
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"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license for offline use. "
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
"type": "structure",
"members":
{
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The license must use the borrow consumption configuration. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. Partial checkouts are not supported. ",
"smithy.api#required": {}
}
},

"DigitalSignatureMethod": {
"target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
"traits": {
"smithy.api#documentation": " Digital signature method. The possible value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see RFC 7518 Digital Signature with RSASSA-PSS. ",
"smithy.api#required": {}
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}

```
            },
            "EntitlementsAllowed":
{
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
                }
            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "SignedToken": {
                "target": "com.amazonaws.licensemanager#SignedToken",
                "traits": {
                    "smithy.api#documentation": "<p>Signed token.</p>"
                }
            },
            "IssuedAt": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
                }
            },
            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
```

```
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target":
 "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license.</p>\n        <note>\n            <p>If the
account that created the license is the same that is performing the check out, you must\n            specify the account
as the beneficiary.</p>\n        </note>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicenseRequest": {
        "type": "structure",
        "members": {
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " Product
SKU. ",
"smithy.api#required": {}
}
},
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. ",
"smithy.api#required": {}
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Key fingerprint identifying the license. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
}

```
    },
    "traits": {

    "smithy.api#input": {}
    }
  },
  "com.amazonaws.licensemanager#CheckoutLicenseResponse": {
    "type": "structure",
    "members": {
      "CheckoutType": {
        "target": "com.amazonaws.licensemanager#CheckoutType",
        "traits": {
          "smithy.api#documentation": "<p>Checkout type.</p>"
        }
      },
      "LicenseConsumptionToken": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
          "smithy.api#documentation": "<p>License consumption token.</p>"
        }
      },
      "EntitlementsAllowed": {
        "target": "com.amazonaws.licensemanager#EntitlementDataList",
        "traits": {
          "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
        }
      },
       "SignedToken": {
        "target": "com.amazonaws.licensemanager#SignedToken",
        "traits": {
          "smithy.api#documentation": "<p>Signed token.</p>"
        }
      },
      "NodeId": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
          "smithy.api#documentation": "<p>Node ID.</p>"
        }
      },
      "IssuedAt": {
        "target": "com.amazonaws.licensemanager#ISO8601DateTime",
        "traits": {
          "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
        }
      },
      "Expiration": {
        "target": "com.amazonaws.licensemanager#ISO8601DateTime",
        "traits": {
```

"smithy.api#documentation": " Date and
time at which the license checkout expires. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the checkout license. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutType": {
"type": "enum",
"members": {
"PROVISIONAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PROVISIONAL"
}
},
"PERPETUAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PERPETUAL"
}
}
}
},
"com.amazonaws.licensemanager#ClientRequestToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 36
}
}
},
"com.amazonaws.licensemanager#ClientToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 2048
},

"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#ConflictException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "ConflictException",
"httpResponseCode":
409
},
"smithy.api#documentation": " There was a conflict processing the request. Try your request again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 409
}
},
"com.amazonaws.licensemanager#ConsumedLicenseSummary": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Resource type of the resource consuming a license. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},

"traits": {
"smithy.api#documentation": " Details about license consumption. "
}
},
"com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
}

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    },
    "com.amazonaws.licensemanager#ConsumptionConfiguration": {
      "type": "structure",
      "members": {
        "RenewType": {
          "target": "com.amazonaws.licensemanager#RenewType",
          "traits": {
            "smithy.api#documentation": "<p>Renewal frequency.</p>"
          }
        },
        "ProvisionalConfiguration": {
          "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
          "traits": {
            "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
           }
        },
        "BorrowConfiguration": {
          "target": "com.amazonaws.licensemanager#BorrowConfiguration",
          "traits": {
            "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
      }
    },
    "com.amazonaws.licensemanager#CreateGrant": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#CreateGrantRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#CreateGrantResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target":
"com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of
license\n        entitlements with a specific Amazon Web Services account, an organization, or an\n
organizational unit (OU). For more
 information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>",
                    "smithy.api#required": {}

    }
            },
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Principals": {
                "target": "com.amazonaws.licensemanager#PrincipalArnList",
                "traits": {
```

"smithy.api#documentation": " The grant principals. You can specify one of the following as an Amazon Resource Name\n (ARN): \n \n \n An Amazon Web Services account, which includes only the account specified. \n \n \n \n \n An organizational unit (OU), which includes all accounts in the OU. \n \n \n \n
\n An organization, which will include all accounts across your organization. \n \n ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations for the grant. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",

"traits": {
"smithy.api#documentation": " Tags to add to the grant. For more information about tagging support in\n License Manager, see the TagResource operation. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}
},
"Status": {

"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation":
" Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateGrantVersion": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],

"traits": {
"smithy.api#documentation": " Creates a new version of the specified grant. For more information, see\n Granted licenses in License Manager in the License Manager User Guide. "

}
},
"com.amazonaws.licensemanager#CreateGrantVersionRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Grant name. "
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations for the grant. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "

```
            }
        },
        "SourceVersion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Current version of the grant.</p>"
            }
        },
        "Options": {
            "target": "com.amazonaws.licensemanager#Options",
            "traits": {
                "smithy.api#documentation": "<p>The options specified for the grant.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersionResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>New version of the grant.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicense": {
    "type": "operation",
    "input": {
```

"target": "com.amazonaws.licensemanager#CreateLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a license. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConfiguration": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

```
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }

        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration
is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager.
Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU),
allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or all of these), license affinity  to
host (how long a \n        license must be associated with a host), and the number of licenses purchased and
used.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>",
                     "smithy.api#required": {}
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the license configuration.</p>"
                }
            },
            "LicenseCountingType": {
                "target": "com.amazonaws.licensemanager#LicenseCountingType",
                "traits": {
                    "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseCount": {
```

"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "

}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether hard or soft license enforcement is used. Exceeding a hard limit\n blocks the launch of new instances. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows. \n \n \n \n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> | <code>minimumCores</code>\n
\n \n \n \n <code>Instances</code> dimension: <code>allowedTenancy</code> | \n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n
\n \n \n \n <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n <code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code>\n \n \n \n \n <code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n <code>honorVcpuOptimization</code> | \n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n \n The unit for <code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for <code>allowedTenancy</code>
are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n <code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n <code>True</code> and <code>False</code>. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the license configuration. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}

```
        },
        "ProductInformationList": {
            "target": "com.amazonaws.licensemanager#ProductInformationList",
            "traits": {
                "smithy.api#documentation": "<p>Product information.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationResponse": {
    "type": "structure",
    "members": {
        "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
```

"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],

"traits": {
"smithy.api#documentation": " Creates a new license conversion task. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource you are converting the license type for. ",
"smithy.api#required": {}
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting to. For the structure of the destination license, see Convert a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {

```
        "type": "structure",
        "members": {
          "LicenseConversionTaskId": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
            "traits": {
              "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
        },
        "errors":
[
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
```

```
    ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types an be
generated:</p>\n        <ul>\n            <li>\n                <p>License configuration report - Reports the number and
details
 of consumed licenses for a license configuration.</p>\n            </li>\n            <li>\n                <p>Resource report -
Reports the tracked licenses and resource consumption for a license configuration.</p>\n            </li>\n        </ul>",
                    "smithy.api#required": {}
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
                    "smithy.api#documentation": "<p>Defines the type of license configuration the report generator
tracks.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportFrequency": {
                "target": "com.amazonaws.licensemanager#ReportFrequency",
                "traits": {
                    "smithy.api#documentation": "<p>Frequency by which reports are generated.  Reports can be
generated daily, monthly, or
 weekly.</p>",
                    "smithy.api#required": {}
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientRequestToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
```

"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the new report generator. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseRequest": {
"type": "structure",
"members": {
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits": {
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}

}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region for the license. ",
"smithy.api#required": {}
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}

}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. ",

"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",

"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the license. For more information about tagging support in\n License Manager, see the TagResource operation. "
}
}

},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "

```
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }

    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
```

"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a new version of the specified license. "
}
},
"com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required":
{}
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits": {
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the license. ",
"smithy.api#required": {}

}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},

```
        "SourceVersion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Current version of the license.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
    "type": "structure",
    "members": {
        "LicenseArn": {

"target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>License ARN.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>New version of the license.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateToken": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateTokenRequest"
     },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateTokenResponse"
    },
    "errors": [
        {
```

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"

},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a long-lived token. \n A refresh token is a JWT token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license. "
}
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token. ",
"smithy.api#required":
{}
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n License Manager does not check whether the roles are in use. "

```
            }
        },
        "ExpirationInDays": {
            "target": "com.amazonaws.licensemanager#Integer",
            "traits": {
                "smithy.api#documentation": "<p>Token expiration, in days, counted from token creation. The
default is 365 days.</p>"
            }
        },
        "TokenProperties": {
            "target": "com.amazonaws.licensemanager#MaxSize3StringList",
            "traits": {
                "smithy.api#documentation": "<p>Data specified by the caller to be included in the JWT
 token. The data is mapped\n          to the amr claim of the JWT token.</p>"
            }
        },
        "ClientToken": {
            "target": "com.amazonaws.licensemanager#ClientToken",
            "traits": {
                "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateTokenResponse": {
    "type": "structure",
    "members": {
        "TokenId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token ID.</p>"
            }
        },
        "TokenType": {
            "target": "com.amazonaws.licensemanager#TokenType",
             "traits": {
                "smithy.api#documentation": "<p>Token type.</p>"
            }
        },
        "Token": {
            "target": "com.amazonaws.licensemanager#TokenString",
            "traits": {
                "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
            }
```

```
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DateTime": {
        "type": "timestamp"
    },
    "com.amazonaws.licensemanager#DatetimeRange": {
        "type": "structure",
        "members": {
            "Begin": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Start of the time range.</p>",
                    "smithy.api#required":
{}
                }
            },
            "End": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>End of the time range.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
             },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
```

```
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Deletes the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {

 "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "StatusReason": {
            "target": "com.amazonaws.licensemanager#StatusReasonMessage",
            "traits": {
                "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Current version of the grant.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#DeleteGrantResponse":
```

```
{
        "type": "structure",
        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
              "smithy.api#documentation": "<p>Grant status.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Grant version.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#DeleteLicense":
{
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#ConflictException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
```

{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license configuration. \n You cannot delete a license configuration that is in use. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {

"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the license
configuration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{

"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified report generator. \n This action deletes
the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator to be deleted. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {},
"traits": {

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}

```
            }
        },
        "SourceVersion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Current version of the license.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#DeleteLicenseResponse": {

 "type": "structure",
    "members": {
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        },
        "DeletionDate": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DeleteToken": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
     },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified token.
Must be called in the license home Region. "
}
},
"com.amazonaws.licensemanager#DeleteTokenRequest": {
"type": "structure",
"members": {
"TokenId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token ID. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteTokenResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DigitalSignatureMethod": {
"type": "enum",
"members": {

```
            "JWT_PS384": {
                "target": "smithy.api#Unit",

                "traits": {
                    "smithy.api#enumValue": "JWT_PS384"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#Entitlement": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement resource. Use only if the unit is None.</p>"
                }
            },
            "MaxCount": {
                "target": "com.amazonaws.licensemanager#Long",
                "traits": {
                    "smithy.api#documentation":
"<p>Maximum entitlement count. Use if the unit is not None.</p>"
                }
            },
            "Overage": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether overages are allowed.</p>"
                }
            },
            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement unit.</p>",
                    "smithy.api#required": {}
                }
            },
            "AllowCheckIn": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
```

"smithy.api#documentation": " Indicates whether check-ins are allowed. "
}
}

},
"traits": {
"smithy.api#documentation": " Describes a resource entitled for use with a license. "
}
},
"com.amazonaws.licensemanager#EntitlementData": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement data name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement data value. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementDataUnit",
"traits": {

"smithy.api#documentation": " Entitlement data unit. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Data associated with an entitlement resource. "
}
},
"com.amazonaws.licensemanager#EntitlementDataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#EntitlementData"
}
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
"type": "enum",
"members": {
"COUNT": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"None"
}
},
"SECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}

```
    },
    "GIGABYTES": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Gigabytes"
        }
    },
    "TERABYTES": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Terabytes"
        }
    },
    "BITS": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Bits"
        }
    },
    "KILOBITS": {

"target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Kilobits"
        }
    },
    "MEGABITS": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Megabits"
        }
    },
    "GIGABITS": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Gigabits"
        }
    },
    "TERABITS": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Terabits"
        }
    },
    "PERCENT": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Percent"
```

```
            }

        },
          "BYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Bytes/Second"
            }
          },
          "KILOBYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Kilobytes/Second"
            }
          },
          "MEGABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Megabytes/Second"
            }
          },
          "GIGABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Gigabytes/Second"
            }
          },
          "TERABYTES_PER_SECOND": {
            "target":
"smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Terabytes/Second"
            }
          },
          "BITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Bits/Second"
            }
          },
          "KILOBITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Kilobits/Second"
            }
          },
          "MEGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
```

```
            "traits": {
                "smithy.api#enumValue": "Megabits/Second"
            }
        },
        "GIGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue":
"Gigabits/Second"
            }
        },
        "TERABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabits/Second"
            }
        },
        "COUNT_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count/Second"
            }
        }
    }
},
"com.amazonaws.licensemanager#EntitlementList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Entitlement"
    }
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }

 },
    "traits": {
        "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#EntitlementUnit": {
    "type": "enum",
    "members": {
```

"COUNT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"

}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS": {
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"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"
}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target":
"smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {

```
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Megabits/Second"
            }
        },
        "GIGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Gigabits/Second"
            }
        },
        "TERABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabits/Second"
            }
        },

        "COUNT_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count/Second"
            }
        }
    }
},
"com.amazonaws.licensemanager#EntitlementUsage": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage name.</p>",
                "smithy.api#required": {}
            }
        },
        "ConsumedValue": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Resource usage consumed.</p>",
                "smithy.api#required": {}
            }
        },
        "MaxCount":
{
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
```

```
            }
          },
          "Unit": {
            "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
            "traits": {
              "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
        }
      },
      "com.amazonaws.licensemanager#EntitlementUsageList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#EntitlementUsage"
        }
      },
      "com.amazonaws.licensemanager#ExtendLicenseConsumption":
  {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}
                }
            },
            "DryRun": {
                "target": "com.amazonaws.licensemanager#Boolean",
                "traits": {
                    "smithy.api#default": false,

            "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action,
without actually making the request. Provides an error response if you do not have the required permissions.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },
            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the
license consumption expires.</p>"
                }
```

```
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#FailedDependencyException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            },
            "ErrorCode": {
                "target": "com.amazonaws.licensemanager#String"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "FailedDependency",
                "httpResponseCode": 424
            },
            "smithy.api#documentation": "<p>A dependency required to run the API is missing.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 424
        }
    },
    "com.amazonaws.licensemanager#Filter":
{
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#FilterName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the filter. Filter names are case-sensitive.</p>"
                }
            },
            "Values": {
                "target": "com.amazonaws.licensemanager#FilterValues",
                "traits": {
                    "smithy.api#documentation": "<p>The value of the filter, which is case-sensitive. You can only
specify one value for the filter.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A filter name and value pair that is used to return more specific results
from a\n        describe operation. Filters can be used to match a set of resources by specific criteria,\n        such as
tags, attributes, or IDs.</p>"
```

```
        }
    },
    "com.amazonaws.licensemanager#FilterLimitExceededException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "FilterLimitExceeded",
                "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#FilterList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Filter"
        }
    },
    "com.amazonaws.licensemanager#FilterName": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#FilterValue":
{
        "type": "string"
    },
    "com.amazonaws.licensemanager#FilterValues": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#FilterValue",
            "traits": {
                "smithy.api#xmlName": "item"
            }
        }
    },
    "com.amazonaws.licensemanager#Filters": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Filter",
            "traits": {
                "smithy.api#xmlName": "item"
```

```
            }
        }
    },
    "com.amazonaws.licensemanager#GetAccessToken": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
        },

    "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access tokens\n          are valid for one hour.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetAccessTokenRequest": {
        "type": "structure",
        "members": {
            "Token":
 {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "TokenProperties": {
                "target": "com.amazonaws.licensemanager#MaxSize3StringList",
                "traits": {
```

"smithy.api#documentation": " Token properties to validate against those present in the JWT token. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetAccessTokenResponse": {
"type": "structure",
"members": {
"AccessToken": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {

"smithy.api#documentation": " Temporary access token. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

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        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
    "type": "structure",
    "members": {
        "Grant": {
            "target": "com.amazonaws.licensemanager#Grant",
            "traits": {
                "smithy.api#documentation": "<p>Grant details.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetLicense": {
    "type": "operation",
```

"input": {
"target": "com.amazonaws.licensemanager#GetLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed
information about the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"

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            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the specified license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurationId":
 {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
                }
            },
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
                }
            },
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
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"smithy.api#documentation": " Name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation":
" Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension for which the licenses are counted. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of available licenses. "
}
},
"LicenseCountHardLimit": {

"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Sets the number of available licenses as a hard limit. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses assigned to resources. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License configuration status. "
}
},
"OwnerAccountId": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner
of the license configuration. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList":
{
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is
uninstalled. "
}
}
},
"traits": {
"smithy.api#output": {}
}

```
    },
    "com.amazonaws.licensemanager#GetLicenseConversionTask":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
         "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the license type conversion task to retrieve information
on.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
```

"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted to. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " Status of the license type conversion task. "
}
},
"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was started . "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",

"traits": {
"smithy.api#documentation": " Amount of time to complete the license type conversion. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was completed. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"

},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified report generator. "
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse":
{
"type": "structure",
"members": {
"ReportGenerator": {
"target": "com.amazonaws.licensemanager#ReportGenerator",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license
configurations. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},

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            "Version": {
                "target":
"com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseResponse": {
        "type": "structure",
        "members": {
            "License": {
                "target": "com.amazonaws.licensemanager#License",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseUsage": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
        },
        "output":
{
            "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
```

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            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified
license.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseUsageRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
        "type": "structure",
        "members": {
            "LicenseUsage": {
                "target": "com.amazonaws.licensemanager#LicenseUsage",
                "traits": {
                    "smithy.api#documentation": "<p>License usage details.</p>"
                }
            }
        },
         "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
```

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        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          }
        ],
        "traits": {
          "smithy.api#documentation":
"<p>Gets the License Manager settings for the current Region.</p>"
        }
      },
      "com.amazonaws.licensemanager#GetServiceSettingsRequest": {
        "type": "structure",
        "members": {},
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
          "S3BucketArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Regional S3 bucket path for storing reports, license trail event data,
discovery data,\n        and so on.</p>"
            }
          },
          "SnsTopicArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>SNS topic configured
to receive notifications from License Manager.</p>"
            }
          },
          "OrganizationConfiguration": {
            "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
            "traits": {
              "smithy.api#documentation": "<p>Indicates whether Organizations is integrated with License
```

Manager for\n cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether cross-account discovery is enabled. "
}
},
"LicenseManagerResourceShareArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon
Resource Name (ARN) of the resource share. The License Manager management account \n provides member accounts with access to this share. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Grant": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}

}
},
"ParentArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {

"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",
"smithy.api#required": {}
}
},
"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation":
" Grant version. ",
"smithy.api#required": {}
}
},
"GrantedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Granted operations. ",
"smithy.api#required": {}
}
},

```
        "Options": {
            "target": "com.amazonaws.licensemanager#Options",
            "traits": {
                "smithy.api#documentation": "<p>The options specified for the grant.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes a grant.</p>"
    }
},
"com.amazonaws.licensemanager#GrantList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Grant"
     }
},
"com.amazonaws.licensemanager#GrantStatus": {
    "type": "enum",
    "members": {
        "PENDING_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_WORKFLOW"
            }
        },
        "PENDING_ACCEPT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_ACCEPT"
            }
        },
        "REJECTED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "REJECTED"
            }
        },
        "ACTIVE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ACTIVE"
            }
         },
        "FAILED_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED_WORKFLOW"
```

```
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        },
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DISABLED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DISABLED"
            }
        },
        "WORKFLOW_COMPLETED": {
            "target": "smithy.api#Unit",
            "traits":
{
                "smithy.api#enumValue": "WORKFLOW_COMPLETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#GrantedLicense": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
        },
        "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License name.</p>"
            }
        },
        "ProductName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Product name.</p>"
```

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        }
      },
      "ProductSKU": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
          "smithy.api#documentation": "<p>Product SKU.</p>"
        }
      },
      "Issuer": {
        "target": "com.amazonaws.licensemanager#IssuerDetails",
        "traits": {
          "smithy.api#documentation": "<p>Granted license issuer.</p>"
        }
      },
      "HomeRegion": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
          "smithy.api#documentation": "<p>Home Region of the granted license.</p>"
        }
      },
      "Status": {
        "target": "com.amazonaws.licensemanager#LicenseStatus",
        "traits": {
          "smithy.api#documentation":
 "<p>Granted license status.</p>"
        }
      },
      "Validity": {
        "target": "com.amazonaws.licensemanager#DatetimeRange",
        "traits": {
          "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in
ISO8601-UTC format.</p>"
        }
      },
      "Beneficiary": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
          "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
        }
      },
      "Entitlements": {
        "target": "com.amazonaws.licensemanager#EntitlementList",
        "traits": {
          "smithy.api#documentation": "<p>License entitlements.</p>"
        }
      },
      "ConsumptionConfiguration": {
```

"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Granted license metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Creation time of the granted license. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Version of the
granted license. "
}
},
"ReceivedMetadata": {
"target": "com.amazonaws.licensemanager#ReceivedMetadata",
"traits": {
"smithy.api#documentation": " Granted license received metadata. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a license that is granted to a grantee. "
}
},
"com.amazonaws.licensemanager#GrantedLicenseList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#GrantedLicense"
}
},
"com.amazonaws.licensemanager#ISO8601DateTime": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50

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            },
            "smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-
1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[
 0-3]|[0-1][0-9]):[0-5][0-9])+$"
        }
    },
    "com.amazonaws.licensemanager#Integer": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#InvalidParameterValueException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidParameterValueProvided",
                "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>One or more parameter values are not valid.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#InvalidResourceStateException":
 {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidResourceState",
                "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n        <p>For example, you cannot allocate a license to an instance in the process of shutting\n
down.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#InventoryFilter": {
        "type": "structure",
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```
    "members": {
      "Name": {
        "target": "com.amazonaws.licensemanager#String",

"traits": {
          "smithy.api#documentation": "<p>Name of the filter.</p>",
          "smithy.api#required": {}
        }
      },
      "Condition": {
        "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
        "traits": {
          "smithy.api#documentation": "<p>Condition of the filter.</p>",
          "smithy.api#required": {}
        }
      },
      "Value": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
          "smithy.api#documentation": "<p>Value of the filter.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>An inventory filter.</p>"
    }
  },
  "com.amazonaws.licensemanager#InventoryFilterCondition": {
    "type": "enum",
     "members": {
      "EQUALS": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "EQUALS"
        }
      },
      "NOT_EQUALS": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "NOT_EQUALS"
        }
      },
      "BEGINS_WITH": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "BEGINS_WITH"
        }
      },
```

"CONTAINS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CONTAINS"
}
}
}
},
"com.amazonaws.licensemanager#InventoryFilterList": {
"type": "list",

"member": {
"target": "com.amazonaws.licensemanager#InventoryFilter"
}
},
"com.amazonaws.licensemanager#Issuer": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. ",
"smithy.api#required": {}
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the issuer of a license. "
}
},
"com.amazonaws.licensemanager#IssuerDetails": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. "
}
},

"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer key fingerprint. "
}
}
},
"traits": {
"smithy.api#documentation": " Details associated with the issuer of a license. "
}
},
"com.amazonaws.licensemanager#License": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. "
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},

"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " License issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},

"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " License metadata. "

```
            }
          },
          "CreateTime": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
              "smithy.api#documentation": "<p>License creation time.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation":
"<p>License version.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
        }
      },
      "com.amazonaws.licensemanager#LicenseConfiguration": {
        "type": "structure",
        "members": {
          "LicenseConfigurationId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
            }
          },
          "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
          },
          "Name": {

           "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Name of the license configuration.</p>"
            }
          },
          "Description": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Description of the license configuration.</p>"
            }
          },
```

"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension to use to track the license inventory. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation":
" License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Number of available licenses as a hard limit. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is
uninstalled. "
}
},
"ConsumedLicenses":
{
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the license configuration. "
}
},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Account ID of the license configuration's owner. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {

"smithy.api#documentation": " Summaries for licenses consumed by various resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for managed resources. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "

}
}
},
"traits": {
"smithy.api#documentation": " A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "

}
},

"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of server resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was associated with the resource. "
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an association with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
}
},
"com.amazonaws.licensemanager#LicenseConfigurationStatus": {
"type": "enum",
"members": {
"AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},

"DISABLED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISABLED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsage": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of resource. "
}
},
"ResourceStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "

```
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about the usage of a resource associated with a license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurations": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConfiguration"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionContext": {
        "type": "structure",
        "members": {
            "UsageOperation": {
                "target": "com.amazonaws.licensemanager#UsageOperation",
                "traits": {
                    "smithy.api#documentation":
 "<p>The Usage operation value that corresponds to the license type you are converting your resource from.  For
more information about which platforms correspond to which usage operation values see <a
href=\"https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/billing-info-fields.html#billing-info\">Sample
data: usage operation by platform\n      </a>\n         </p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTask": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the license type conversion task.</p>"

     }
            },
```

"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource associated with the license type\n conversion task. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted to. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " The status of the conversion task. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was started at. "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the usage operation value of the resource was changed. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",

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            "traits": {
                "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 50
        },
        "smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
    }
},
"com.amazonaws.licensemanager#LicenseConversionTaskStatus":
{
    "type": "enum",
    "members": {
        "IN_PROGRESS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "IN_PROGRESS"
            }
        },
        "SUCCEEDED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SUCCEEDED"
            }
        },
        "FAILED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseConversionTasks": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#LicenseConversionTask"
    }
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    },
    "com.amazonaws.licensemanager#LicenseCountingType":
{
        "type": "enum",
        "members": {
            "VCPU": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "vCPU"
                }
            },
            "INSTANCE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Instance"
                }
            },
            "CORE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Core"
                }
            },
            "SOCKET": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Socket"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseDeletionStatus":
{
        "type": "enum",
        "members": {
            "PENDING_DELETE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_DELETE"
                }
            },
            "DELETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DELETED"
                }
            }
        }
```

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    },
    "com.amazonaws.licensemanager#LicenseList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanager#License"
      }
    },
    "com.amazonaws.licensemanager#LicenseOperationFailure": {
      "type": "structure",
      "members": {
        "ResourceArn": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation":
"<p>Amazon Resource Name (ARN) of the resource.</p>"
          }
        },
        "ResourceType": {
          "target": "com.amazonaws.licensemanager#ResourceType",
          "traits": {
            "smithy.api#documentation": "<p>Resource type.</p>"
          }
        },
        "ErrorMessage": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Error message.</p>"
          }
        },
        "FailureTime": {
          "target": "com.amazonaws.licensemanager#DateTime",
          "traits": {
            "smithy.api#documentation": "<p>Failure time.</p>"
          }
        },
        "OperationName": {
          "target": "com.amazonaws.licensemanager#String",
          "traits":
{
            "smithy.api#documentation": "<p>Name of the operation.</p>"
          }
        },
        "ResourceOwnerId": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the
resource.</p>"
          }
```

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            },
            "OperationRequestedBy": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The requester is \"License Manager Automated Discovery\".</p>"
                }
            },
            "MetadataList": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Reserved.</p>"
                }
            }

        },
        "traits": {
            "smithy.api#documentation": "<p>Describes the failure of a license operation.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseOperationFailureList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseOperationFailure"
        }
    },
    "com.amazonaws.licensemanager#LicenseSpecification": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "AmiAssociationScope": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details for associating a license configuration with a resource.</p>"
        }
```

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},
"com.amazonaws.licensemanager#LicenseSpecifications": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#LicenseSpecification"
    }
},
"com.amazonaws.licensemanager#LicenseStatus": {
    "type": "enum",
    "members": {
        "AVAILABLE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "AVAILABLE"
            }
        },
        "PENDING_AVAILABLE": {
            "target": "smithy.api#Unit",

      "traits": {
                "smithy.api#enumValue": "PENDING_AVAILABLE"
            }
        },
        "DEACTIVATED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DEACTIVATED"
            }
        },
        "SUSPENDED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SUSPENDED"
            }
        },
        "EXPIRED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EXPIRED"
            }
        },
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
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"DELETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DELETED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseUsage": {
"type": "structure",
"members": {
"EntitlementUsages": {
"target": "com.amazonaws.licensemanager#EntitlementUsageList",
"traits": {
"smithy.api#documentation": " License entitlement usages. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the entitlement usage associated with a license. "
}
},
"com.amazonaws.licensemanager#LicenseUsageException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "LicenseUsageFailure",
"httpResponseCode": 412
},
"smithy.api#documentation": " You do not have enough licenses available to support a new resource launch. ",
"smithy.api#error": "client",
"smithy.api#httpError": 412
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the resource associations for the specified license configuration. \n Resource associations need not consume licenses from a license configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n the license rules). "
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationAssociations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license configuration. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}

},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},

```
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {

  "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
        "type": "structure",
        "members": {
            "GrantArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                 "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseArn</code>\n            </p>\n
        </li>\n            <li>\n                <p>\n                <code>GrantStatus</code>\n            </p>\n            </li>\n
   <li>\n            <p>\n                <code>GranteePrincipalARN</code>\n            </p>\n            </li>\n
<li>\n            <p>\n                <code>ProductSKU</code>\n            </p>\n            </li>\n            <li>\n
<p>\n                <code>LicenseIssuerName</code>\n            </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
```

```
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
    "type": "structure",
    "members": {
        "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
            "traits": {
                "smithy.api#documentation": "<p>Distributed grant details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {

            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

```
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
    }
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
    "type": "structure",
    "members": {
        "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
                "smithy.api#required": {}

    }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse": {
    "type": "structure",
    "members": {
        "LicenseOperationFailureList": {
            "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",

  "traits": {
                "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
            }
        },
        "NextToken": {
```

```
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseConfigurations": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
         },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the license configurations for your account.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
    "type": "structure",
    "members": {
        "LicenseConfigurationArns":
{
            "target": "com.amazonaws.licensemanager#StringList",
```

"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the license configurations. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>licenseCountingType</code> - The dimension for which licenses are counted.\n Possible values are <code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>. \n \n \n \n <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license enforcement is used. \n \n \n \n <code>usagelimitExceeded</code> - A Boolean value that indicates whether the available licenses have been exceeded. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
"type": "structure",
"members": {
"LicenseConfigurations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurations",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license type conversion tasks for your account. "
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest":
{
"type": "structure",
"members": {
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {

"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " \n Filters to scope the results. Valid filters are <code>ResourceArns</code> and <code>Status</code>.\n "
}

}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
"type": "structure",
"members": {
"LicenseConversionTasks": {
"target": "com.amazonaws.licensemanager#LicenseConversionTasks",
"traits": {
"smithy.api#documentation": " Information about the license configuration tasks for your account. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
},

```
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
          },
          {
             "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
        }
      },
      "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest": {
        "type": "structure",
        "members": {
          "Filters": {
            "target": "com.amazonaws.licensemanager#FilterList",
            "traits": {
              "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n        <ul>\n            <li>\n                <p>\n                    <code>LicenseConfigurationArn</code>\n
          </p>\n            </li>\n        </ul>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          },
          "MaxResults": {
```

"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
"type": "structure",
"members": {
"ReportGenerators": {
"target": "com.amazonaws.licensemanager#ReportGeneratorList",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"

```
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {

        "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an
associated license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input":
 {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
        "type": "structure",
        "members": {
            "LicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
```

"smithy.api#documentation": " License configurations associated with a resource. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
"type": "operation",
"input": {
"target":
"com.amazonaws.licensemanager#ListLicenseVersionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists all versions of the specified license. "
}

},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
"type": "structure",
"members": {

```
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                "smithy.api#required": {}
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
    "type": "structure",
    "members": {
        "Licenses": {
            "target": "com.amazonaws.licensemanager#LicenseList",
            "traits": {
                "smithy.api#documentation": "<p>License details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenses": {
    "type": "operation",
    "input": {
```

"target": "com.amazonaws.licensemanager#ListLicensesRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicensesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {

"smithy.api#documentation": " Lists the licenses for your account. "
}
},
"com.amazonaws.licensemanager#ListLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>Beneficiary</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>Status</code>\n \n \n "
}

```
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicensesResponse":
{
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#LicenseList",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrants": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
        },
        "output": {
            "target":
"com.amazonaws.licensemanager#ListReceivedGrantsResponse"
        },
```

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits":
{
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{

"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the received license. ",
"smithy.api#required": {}
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ParentArn</code>\n \n \n \n \n <code>GranteePrincipalArn</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",
"traits": {
"smithy.api#documentation": " Lists the grants the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
"type": "structure",
"members": {
"GrantArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranterAccountId</code>\n \n \n "
}

```
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                 "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
        "type": "structure",
        "members": {
            "Grants": {
                "target": "com.amazonaws.licensemanager#GrantList",
                "traits": {
                    "smithy.api#documentation": "<p>Received grant details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },

"traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicenses": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
        },
        "errors": [
```

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists received licenses.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },

{
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
```

```
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {

     "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>Beneficiary</code>\n            </p>\n
        </li>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n            </p>\n            </li>\n
 </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                 "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
```

"target": "com.amazonaws.licensemanager#GrantedLicenseList",
"traits": {
"smithy.api#documentation": " Lists the licenses the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>IssuerName</code>\n \n \n \n \n <code>Beneficiary</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}

```
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
      "type": "structure",
      "members": {
        "Licenses": {
          "target": "com.amazonaws.licensemanager#GrantedLicenseList",
          "traits": {
            "smithy.api#documentation": "<p>Received license details.</p>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#ListResourceInventory": {
      "type": "operation",
      "input":
{
        "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#FailedDependencyException"
        },
        {
          "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
        },
```

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            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"

    },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListResourceInventoryRequest": {
        "type": "structure",
        "members": {
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },

        "Filters": {
                "target": "com.amazonaws.licensemanager#InventoryFilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>account_id</code>
- The ID of the Amazon Web Services account that owns the resource.\n            Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n                <p>\n
    <code>application_name</code> - The name of the application. \n            Logical operators are
<code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n            </li>\n            <li>\n                <p>\n
    <code>license_included</code> - The type of license included. \n            Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.\n
            Possible values are <code>sql-server-enterprise</code> | \n            <code>sql-server-standard</code> |
\n            <code>sql-server-web</code> |  \n            <code>windows-server-datacenter</code>.</p>\n
</li>\n            <li>\n                <p>\n                <code>platform</code> - The platform of the resource.\n
Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n            </li>\n
<li>\n                <p>\n                <code>resource_id</code> - The ID of the resource. \n            Logical operators
are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n                <p>\n
```

```
<code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account).</p>\n
</li>\n </ul>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListResourceInventoryResponse": {
        "type": "structure",
        "members": {
          "ResourceInventoryList": {
            "target": "com.amazonaws.licensemanager#ResourceInventoryList",
            "traits": {
              "smithy.api#documentation": "<p>Information about the resources.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListTagsForResource":
{
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
```

"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {

"smithy.api#documentation": " Lists the tags for the specified resource. For more information about tagging support in\n License Manager, see the TagResource operation. "
}
},
"com.amazonaws.licensemanager#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListTagsForResourceResponse": {
"type": "structure",
"members":
{
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Information about the tags. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListTokens": {
"type": "operation",

```
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists your tokens.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTokensRequest": {
        "type": "structure",
        "members": {
            "TokenIds": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Token IDs.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters
 to scope the results. The following filter is supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>LicenseArns</code>\n                </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
```

```
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListTokensResponse": {
        "type":
"structure",
        "members": {
          "Tokens": {
            "target": "com.amazonaws.licensemanager#TokenList",
            "traits": {
              "smithy.api#documentation": "<p>Received token details.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
         },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying license\n        consumption
 details by resource at a selected point in time. Use this action to audit the\n        current license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },

    "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
```

"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>resourceArn</code> - The ARN of the license configuration resource. \n \n \n \n <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | \n \t<code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n \n \n \n <code>resourceAccount</code> - The ID of the account that owns the resource. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationUsageList": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "

}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Location": {
"type": "string"
},
"com.amazonaws.licensemanager#Long": {
"type": "long"
},
"com.amazonaws.licensemanager#ManagedResourceSummary": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {

"smithy.api#documentation": " Type of resource associated with a license. "
}
},
"AssociationCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of resources associated with licenses. "
}

}
},
"traits": {
"smithy.api#documentation": " Summary information about a managed resource. "
}
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummary"
}
},
"com.amazonaws.licensemanager#MaxSize100": {
"type": "integer",
"traits": {
"smithy.api#range": {
"min": 1,
"max": 100
}
}
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 3
}
}

},
"com.amazonaws.licensemanager#Message": {
"type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
"type": "structure",

"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The key name. "
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The value. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes key/value pairs. "
}
},
"com.amazonaws.licensemanager#MetadataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Metadata"
}
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n
Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n

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<code>Status</code> parameter.</p>\n        <ul>\n            <li>\n                <p>As a license administrator, you can optionally specify an\n                <code>ActivationOverrideBehavior</code> when activating a grant.</p>\n            </li>\n            <li>\n                <p>As a grantor, you can optionally specify an\n                <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n                account in your organization.</p>\n            </li>\n            <li>\n                <p>As a grantee, if the grantor creating the distributed grant doesnt specify an\n                <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n                are activating the grant.</p>\n            </li>\n        </ul>\n        <dl>\n            <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n            <dd>\n                <p>Use this value to activate a grant without replacing any member accounts\n                active grants for the same product.</p>\n            </dd>\n            <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n            <dd>\n                <p>Use this value to activate a grant and disable other active grants in any\n                member accounts for the same product. This action will also replace their\n                previously activated grants with this activated grant.</p>\n            </dd>\n        </dl>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The options you can specify when you create a new version of a grant, such as activation\n        override behavior. For more information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#OrganizationConfiguration": {
        "type": "structure",
        "members": {
            "EnableIntegration": {
                "target": "com.amazonaws.licensemanager#Boolean",
                "traits": {
                    "smithy.api#default": false,
                    "smithy.api#documentation": "<p>Enables Organizations integration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Configuration information for Organizations.</p>"
        }
    },
    "com.amazonaws.licensemanager#PrincipalArnList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Arn"
        },
        "traits": {

    "smithy.api#length": {
                "min": 1,
```

"max": 1
}
}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Resource type. The possible values are
<code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code>
which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies
the value to filter on. \n Accepted values for <code>ProductInformationFilterName</code> are listed
here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. \n
The following filters and are supported when the resource type \n is
<code>SSM_MANAGED</code>: \n \n \n \n <code>Application
Name</code> - The name of the application.\n Logical operator is <code>EQUALS</code>. \n
\n \n \n <code>Application Publisher</code> - The publisher of the
application.\n Logical operator is <code>EQUALS</code>. \n \n \n
\n <code>Application Version</code> - The version of the
application.\n Logical operator is <code>EQUALS</code>. \n \n \n
\n <code>Platform Name</code> - The name of the platform.\n Logical operator is
<code>EQUALS</code>. \n \n \n \n <code>Platform
Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n \n
\n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services
resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The
key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-
key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n
\n \n \n \n
<code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude
from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n
\n \n <code>License Included</code> - The type of license included.\n Logical
operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are:
<code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-
web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
The following filters and logical operators are supported when the resource type\n is
<code>RDS</code>: \n \n \n \n <code>Engine Edition</code> -
The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n

Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code> \n \t| <code>db2-se</code> | <code>db2-ae</code>. \n \n \n \n <code>License Pack</code> - The license pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n <code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n \n ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information for a license configuration. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
"type": "structure",
"members": {
"ProductInformationFilterName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Filter name. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterValue": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " Filter value. "
}
},
"ProductInformationFilterComparator": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Logical operator. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information filters. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ProductInformationFilter"
}

```
    },
    "com.amazonaws.licensemanager#ProductInformationList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanager#ProductInformation"
      }
    },
    "com.amazonaws.licensemanager#ProvisionalConfiguration": {
      "type": "structure",
      "members": {
        "MaxTimeToLiveInMinutes": {
          "target": "com.amazonaws.licensemanager#BoxInteger",
          "traits": {
            "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",

      "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
      }
    },
    "com.amazonaws.licensemanager#RateLimitExceededException": {
      "type": "structure",
      "members": {
        "Message": {
          "target": "com.amazonaws.licensemanager#Message"
        }
      },
      "traits": {
        "aws.protocols#awsQueryError": {
          "code": "RateLimitExceeded",
          "httpResponseCode": 429
        },
        "smithy.api#documentation": "<p>Too many requests have been submitted. Try again after a brief
wait.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 429
      }
    },
    "com.amazonaws.licensemanager#ReceivedMetadata": {
      "type": "structure",
       "members": {
        "ReceivedStatus": {
          "target": "com.amazonaws.licensemanager#ReceivedStatus",
          "traits": {
            "smithy.api#documentation": "<p>Received status.</p>"
```

```
            }
        },
        "ReceivedStatusReason": {
            "target": "com.amazonaws.licensemanager#StatusReasonMessage",
            "traits": {
                "smithy.api#documentation": "<p>Received status reason.</p>"
            }
        },
        "AllowedOperations": {
            "target": "com.amazonaws.licensemanager#AllowedOperationList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed operations.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
    }
},
"com.amazonaws.licensemanager#ReceivedStatus": {
    "type": "enum",
    "members": {
        "PENDING_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_WORKFLOW"
            }
        },
        "PENDING_ACCEPT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_ACCEPT"
            }
        },
        "REJECTED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "REJECTED"
            }
        },
        "ACTIVE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ACTIVE"
            }

},
        "FAILED_WORKFLOW": {
```

```
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED_WORKFLOW"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        },
        "DISABLED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DISABLED"
            }
        },
        "WORKFLOW_COMPLETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "WORKFLOW_COMPLETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#RedirectException": {
    "type": "structure",

    "members": {
        "Location": {
            "target": "com.amazonaws.licensemanager#Location",
            "traits": {
                "smithy.api#httpHeader": "Location"
            }
        },
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 308
    }
},
"com.amazonaws.licensemanager#RejectGrant": {
    "type": "operation",
    "input": {
```

"target": "com.amazonaws.licensemanager#RejectGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#RejectGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Rejects the specified grant. "
}
},
"com.amazonaws.licensemanager#RejectGrantRequest":
{
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},

```
"com.amazonaws.licensemanager#RejectGrantResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",

         "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#RenewType": {
    "type": "enum",
    "members": {
        "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "None"
            }
        },
        "WEEKLY": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Weekly"
            }

},
        "MONTHLY": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Monthly"
            }
```

```
            }
        }
    },
    "com.amazonaws.licensemanager#ReportContext": {
        "type": "structure",
        "members": {
            "licenseConfigurationArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration that
this generator reports on.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details of the license configuration that this generator reports on.</p>"
        }
    },
    "com.amazonaws.licensemanager#ReportFrequency": {

 "type": "structure",
        "members": {
            "value": {
                "target": "com.amazonaws.licensemanager#Integer",
                "traits": {
                    "smithy.api#documentation": "<p>Number of times within the frequency period that a report is
generated.  \n        The only supported value is <code>1</code>.</p>"
                }
            },
            "period": {
                "target": "com.amazonaws.licensemanager#ReportFrequencyType",
                "traits": {
                    "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
or monthly.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
        }
    },
    "com.amazonaws.licensemanager#ReportFrequencyType": {
        "type": "enum",
        "members":
 {
            "DAY": {
                "target": "smithy.api#Unit",
```

```
            "traits": {
                "smithy.api#enumValue": "DAY"
            }
        },
        "WEEK": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "WEEK"
            }
        },
        "MONTH": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "MONTH"
            }
        }
    }
},
"com.amazonaws.licensemanager#ReportGenerator": {
    "type": "structure",
    "members": {
        "ReportGeneratorName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Name of the report generator.</p>"

      }
        },
        "ReportType": {
            "target": "com.amazonaws.licensemanager#ReportTypeList",
            "traits": {
                "smithy.api#documentation": "<p>Type of reports that are generated.</p>"
            }
        },
        "ReportContext": {
            "target": "com.amazonaws.licensemanager#ReportContext",
            "traits": {
                "smithy.api#documentation": "<p>License configuration type for this generator.</p>"
            }
        },
        "ReportFrequency": {
            "target": "com.amazonaws.licensemanager#ReportFrequency",
            "traits": {
                "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
            }
        },
        "LicenseManagerReportGeneratorArn": {
            "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. "
}
},
"LastRunStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the last report generation attempt. "
}
},
"LastRunFailureReason": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Failure message for the last report generation attempt. "
}
},
"LastReportGenerationTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time
the last report was generated at. "
}
},
"ReportCreatorAccount": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Web Services account ID used to create the report
generator. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"S3Location": {
"target": "com.amazonaws.licensemanager#S3Location",
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published
to. "
}
},

"CreateTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the report was created. "

```
            }
        },
        "Tags": {
            "target": "com.amazonaws.licensemanager#TagList",
            "traits": {
                "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
    }
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ReportGenerator"
    }
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
    "type": "string",

"traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#ReportType": {
    "type": "enum",
    "members": {
        "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
            }
        },
        "LICENSE_CONFIGURATION_USAGE_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "LicenseConfigurationUsageReport"
            }
        }
    }
},
"com.amazonaws.licensemanager#ReportTypeList": {
    "type": "list",
```

```
        "member": {
            "target": "com.amazonaws.licensemanager#ReportType"

}
    },
    "com.amazonaws.licensemanager#ResourceInventory": {
        "type": "structure",
        "members": {
            "ResourceId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "Platform": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Platform of the resource.</p>"
                }
            },
            "PlatformVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
                }
            },
            "ResourceOwningAccountId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a resource.</p>"
        }
```

```
},
"com.amazonaws.licensemanager#ResourceInventoryList": {
    "type": "list",
     "member": {
        "target": "com.amazonaws.licensemanager#ResourceInventory"
    }
},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "ResourceLimitExceeded",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
         }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
    "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_INSTANCE"
```

```
            }
        },
        "EC2_HOST": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_HOST"
            }
        },
        "EC2_AMI": {
             "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_AMI"
            }
        },
        "RDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "RDS"
            }
        },
        "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
            }
        }
    }
},
"com.amazonaws.licensemanager#S3Location": {
    "type": "structure",
    "members": {
        "bucket": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Name of the S3 bucket reports are published
 to.</p>"
            }
        },
        "keyPrefix": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Prefix of the S3 bucket reports are published to.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
 to.</p>"
```

```
        }
    },
    "com.amazonaws.licensemanager#ServerInternalException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InternalError",
                "httpResponseCode": 500
            },
            "smithy.api#documentation":
"<p>The server experienced an internal error. Try again.</p>",
            "smithy.api#error": "server",
            "smithy.api#httpError": 500
        }
    },
    "com.amazonaws.licensemanager#SignedToken": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 4096
            }
        }
    },
    "com.amazonaws.licensemanager#StatusReasonMessage": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 400
            },
            "smithy.api#pattern": "^[\\s\\S]+$"
        }
    },
    "com.amazonaws.licensemanager#String": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#StringList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
```

```
},
    "com.amazonaws.licensemanager#Tag": {
        "type": "structure",
        "members": {
            "Key": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The tag key.</p>"
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The tag value.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about the tags for a resource. For more information about
tagging support in\n        License Manager, see the <a href=\"https://docs.aws.amazon.com/license-
manager/latest/APIReference/API_TagResource.html\">TagResource</a> operation.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagKeyList":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#TagList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Tag"
        }
    },
    "com.amazonaws.licensemanager#TagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#TagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#TagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
```

```
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified resource. The following
resources support\n        tagging in License Manager:</p>\n        <ul>\n            <li>\n                <p>Licenses</p>\n
        </li>\n            <li>\n                <p>Grants</p>\n            </li>\n            <li>\n                <p>License
configurations</p>\n            </li>\n            <li>\n                <p>Report generators</p>\n            </li>\n        </ul>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn":
 {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource. The following
examples provide an example\n        ARN for each supported resource in License Manager:</p>\n        <ul>\n
 <li>\n                <p>Licenses -\n                <code>arn:aws:license-manager::111122223333:license:l-
EXAMPLE2da7646d6861033667f20e895</code>\n                </p>\n            </li>\n            <li>\n                <p>Grants
-\n                <code>arn:aws:license-manager::111122223333:grant:g-
EXAMPLE7b19f4a0ab73679b0beb52707</code>\n                </p>\n            </li>\n            <li>\n
<p>License configurations -\n                <code>arn:aws:license-manager:us-east-1:111122223333:license-
configuration:lic-EXAMPLE6a788d4c8acd4264ff0ecf2ed2d</code>\n                </p>\n            </li>\n            <li>\n

        <p>Report generators -\n                <code>arn:aws:license-manager:us-east-1:111122223333:report-
generator:r-EXAMPLE825b4a4f8fe5a3e0c88824e5fc6</code>\n                </p>\n            </li>\n        </ul>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>One or more tags.</p>",
                    "smithy.api#required": {}
                }
            }
```

```
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
         "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>"
                }
            },
            "TokenType": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
                }
            },
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "ExpirationTime": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits":
 {
                    "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC format.</p>"
                }
            },
            "TokenProperties": {
                "target": "com.amazonaws.licensemanager#MaxSize3StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Data specified by the caller.</p>"
                }
            },
            "RoleArns": {
```

"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#TokenData"
}
},
"com.amazonaws.licensemanager#TokenString": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 4096
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#TokenType": {
"type": "enum",
"members": {
"REFRESH_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REFRESH_TOKEN"
}

}
}
},
"com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException": {
"type": "structure",

"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The digital signature method is unsupported. Try your request again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#UntagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Removes the specified tags from the specified resource. "
}
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation":

" Amazon Resource Name (ARN) of the resource. ",
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanager#TagKeyList",
"traits": {
"smithy.api#documentation": " Keys identifying the tags to remove. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{

"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Modifies the attributes of an existing license configuration. "
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"LicenseConfigurationStatus": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
"traits": {
"smithy.api#documentation": " New status of the license configuration. "

}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " New license rule. The only rule that you can add after you create a license\n configuration is licenseAffinityToHost. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},

```
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>New name of the license configuration.</p>"
            }
        },
        "Description": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>New description of the license configuration.</p>"
            }
        },
        "ProductInformationList": {
            "target": "com.amazonaws.licensemanager#ProductInformationList",
            "traits": {
                "smithy.api#documentation": "<p>New product information.</p>"
            }
        },
        "DisassociateWhenNotFound": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {

     "smithy.api#documentation": "<p>When true, disassociates a resource when software is uninstalled.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
    },
    "errors": [
        {
```

"target": "com.amazonaws.licensemanager#AccessDeniedException"

},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates a report generator. \n
After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated. "
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator to update. ",
"smithy.api#required": {}
}
},
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}

```
        },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types are supported:</p>\n <ul>\n <li>\n <p>License configuration report - Reports the number and details of consumed licenses for a license configuration.</p>\n </li>\n <li>\n <p>Resource report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n </li>\n </ul>",
                    "smithy.api#required": {}
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
                    "smithy.api#documentation": "<p>The report context.</p>",
                    "smithy.api#required":
 {}
                }
            },
            "ReportFrequency": {
                "target": "com.amazonaws.licensemanager#ReportFrequency",
                "traits": {
                    "smithy.api#documentation": "<p>Frequency by which reports are generated.</p>",
                    "smithy.api#required": {}
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientRequestToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the report
 generator.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
```

"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#InvalidResourceStateException"
},
{
"target": "com.amazonaws.licensemanager#LicenseUsageException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Adds or removes the specified license configurations for the specified Amazon Web Services resource. \n You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource. "
}

```
    },
    "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
      "type": "structure",
      "members": {
        "ResourceArn": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services
resource.</p>",
            "smithy.api#required": {}
          }
        },
        "AddLicenseSpecifications": {
          "target": "com.amazonaws.licensemanager#LicenseSpecifications",
          "traits": {
            "smithy.api#documentation":
 "<p>ARNs of the license configurations to add.</p>"
          }
        },
        "RemoveLicenseSpecifications": {
          "target": "com.amazonaws.licensemanager#LicenseSpecifications",
          "traits": {
            "smithy.api#documentation": "<p>ARNs of the license configurations to remove.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
      "type": "structure",
      "members": {},
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettings": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
      },
      "output":
 {
        "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
      },
      "errors": [
        {
```

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Updates License Manager settings for the current Region. "
}
},
"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {

"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon S3 bucket where the License Manager information is stored. "
}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Enables integration with Organizations for cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Activates cross-account discovery. "

```
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UsageOperation": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            }
        }
    },
    "com.amazonaws.licensemanager#ValidationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    }
  }
}
```


CheckoutBorrowLicense

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

spanInitializeEnd

Serialize stack step

spanBuildRequestStart

setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
SetCredentialSourceMiddleware
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
spanRetryLoop
Retry
RetryMetricsHeader
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckInLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength

```
  SetCredentialSourceMiddleware
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  spanRetryLoop
  Retry
  RetryMetricsHeader
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
```

```
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
```

```
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err
!= nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
```

```
 if err = addUserAgentRetryMode(stack, options);
 err != nil {
  return err
 }
 if err = addCredentialSource(stack, options); err != nil {
  return err
 }
 if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return
 nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
```

```
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 This member is required.
 ClientToken *string
```

```
// Configuration for consumption of the license. Choose a provisional
// configuration for workloads running with continuous connectivity. Choose a
// borrow configuration for workloads with offline usage.
//
// This member is required.
ConsumptionConfiguration *types.ConsumptionConfiguration

// License entitlements.
//
// This member is required.
Entitlements []types.Entitlement

// Home Region for the license.
//
// This member is required.
HomeRegion *string

// License issuer.
//
// This member is required.
Issuer *types.Issuer

// License name.
//
// This member is required.
LicenseName *string

// Product name.
//
// This member is required.
ProductName *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// Date and time range during which the license is valid, in ISO8601-UTC format.
//
// This member is required.
Validity *types.DatetimeRange

// Information about
the license.
LicenseMetadata []types.Metadata

// Tags to add to the license. For more information about tagging support in
```

```
 // License Manager, see the [TagResource]operation.
 //
 // [TagResource]: https://docs.aws.amazon.com/license-manager/latest/APIReference/API_TagResource.html
 Tags []types.Tag

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
```

```
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err
= addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addCredentialSource(stack, options); err != nil {
 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return
 err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CreateLicense",
 }
}
```

AWS SDK for Go

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AssociateLicense

Initialize stack step

```
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  SetCredentialSourceMiddleware
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  spanRetryLoop
  Retry
  RetryMetricsHeader
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
```

```
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
```

```
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
```

```
 return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
if err != nil {
 return
err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
```

```
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
 err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addCredentialSource(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options);
 err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
```

```
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
{
  "smithy": "2.0",
  "shapes": {
      "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
          "type": "integer"
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
          "type": "long"
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
          "type": "operation",
          "input": {
              "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
          },
          "output": {
              "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
          },
          "errors": [
              {
                  "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
              },
              {
                  "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
              },

      {
                  "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
              },
              {
                  "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
              }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions \n\t\t\tregistered to your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/DeregisterSubscriptionProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the subscription provider resource to deregister.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The type of name to filter by.</p>"
                }
            },
            "Values": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
```

```
            }
        },
        "Operator": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
            "traits": {
                "smithy.api#documentation": "<p>An operator for filtering results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe
operation.\n      Filters can be used to match a set of resources by specific criteria.</p>"
    }
  },
  "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
    "type":
 "list",
    "member": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
    }
  },
  "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
    },
    "output": {
        "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
         },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Get details for a Bring Your Own License (BYOL) subscription that's
registered to your account.</p>",
        "smithy.api#http": {
```

"code": 200,
"method": "POST",
"uri": "/subscription/GetRegisteredSubscriptionProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation":
" The Amazon Resource Name (ARN) of the BYOL registration resource to get details for. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) for the BYOL registration resource specified in the request. "
}
},
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

"traits": {
"smithy.api#documentation": " The subscription provider for the BYOL registration resource specified \n\t\t\tin the request. "
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request. "
}
},

"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " The status of the Linux subscription provider access token from the last \n\t\t\tsuccessful subscription data request. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The detailed message from your subscription provider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time License Manager retrieved subscription details \n\t\t\tfrom your registered third-party Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
"type": "operation",
"input": {
"target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions service settings for your account. ",

"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetServiceSettings"

},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
"type": "structure",
"members": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " Lists
the settings defined for Linux subscriptions discovery. The settings include if\n Organizations integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}
},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated

data for Linux\n subscriptions. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
"type": "structure",
"members": {
"AmiId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The AMI ID used to launch the instance. "
}
},
"InstanceID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The instance ID of the resource. "
}
},
"InstanceType": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The instance type of the resource. "
}
},
"AccountID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The account ID which owns the instance. "
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the instance. "
}
},
"Region": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},
"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the license subscription that the instance uses. "
}
},
"OsVersion": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The operating system software version that runs on your instance. "
}
},
"SubscriptionProviderCreateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp when you registered the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses. "
}
},
"SubscriptionProviderUpdateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that the instance synced with the registered \n\t\t\tthird-party Linux subscription provider. "
}

```
            },
            "DualSubscription": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates that you have two different license subscriptions for
\n\t\t\tthe same software on your instance.</p>"
                }
            },
            "RegisteredWithSubscriptionProvider": {
                "target": "smithy.api#String",
                "traits": {

    "smithy.api#documentation": "<p>Indicates that your instance uses a BYOL license subscription from \n\t\t\ta
third-party Linux subscription provider that you've registered with License Manager.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details discovered information about a running instance using Linux
subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>An exception occurred with the service.</p>",
            "smithy.api#error": "server"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
        "type": "service",
        "version": "2018-05-10",
        "operations": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider"
            },
```

```
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
    }
],
"traits": {
    "aws.api#service": {
        "sdkId": "License Manager Linux Subscriptions",
        "arnNamespace": "license-manager-linux-subscriptions",
        "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
    },
    "aws.auth#sigv4": {
        "name": "license-manager-linux-subscriptions"
    },
    "aws.protocols#restJson1": {},
    "smithy.api#cors": {
        "additionalAllowedHeaders": [
            "*",
            "content-type",
            "x-amz-content-sha256",
            "x-amz-user-agent",
            "x-amzn-platform-id",
```

"x-amzn-trace-id"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager,
you can discover and track your commercial Linux subscriptions on running\n Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
},
"rules": [
{
"conditions": [
{
"fn": "isSet",

```
                "argv": [
                  {
                    "ref": "Endpoint"
                  }
                ]
              }
            ],
            "rules": [
              {
                "conditions": [
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      {
                        "ref": "UseFIPS"
                      },
                      true
                    ]
                  }

        ],
                "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                "type": "error"
              },
              {
                "conditions": [],
                "rules": [
                  {
                    "conditions": [
                      {
                        "fn": "booleanEquals",
                        "argv": [
                          {
                            "ref": "UseDualStack"
                          },
                          true
                        ]

}
                    ],
                    "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                    "type": "error"
                  },
                  {
                    "conditions": [],
                    "endpoint": {
                      "url": {
                        "ref": "Endpoint"
```

```
                    },
                    "properties": {},
                    "headers": {}
                },
                "type": "endpoint"
            }
        ],
        "type": "tree"

    }
    ],
    "type": "tree"
},
{
    "conditions": [],
    "rules": [
        {
            "conditions": [
                {
                    "fn": "isSet",
                    "argv": [
                        {
                            "ref": "Region"
                        }
                    ]
                }
            ],
            "rules": [
                {
                    "conditions": [
                        {

    "fn": "aws.partition",
                            "argv": [
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                                    "ref": "Region"
                                }
                            ],
                            "assign": "PartitionResult"
                        }
                    ],
                    "rules": [
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                            "conditions": [
                                {
                                    "fn": "booleanEquals",
                                    "argv": [
                                        {
```

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                "ref": "UseFIPS"
                },
                true
            ]
        },
        {
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            "argv": [
                {
                    "ref": "UseDualStack"
                },
                true
            ]
        }

],
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                    "fn": "booleanEquals",
                    "argv": [
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                        {
                            "fn": "getAttr",
                            "argv": [
                                {
                                    "ref": "PartitionResult"

},
                                "supportsFIPS"
                            ]
                        }
                    ]
                },
                {
                    "fn": "booleanEquals",
                    "argv": [
                        true,
                        {
                            "fn": "getAttr",
                            "argv": [

                            {
                                    "ref": "PartitionResult"
                                },
                                "supportsDualStack"
```

```
                    ]
                }
            ]
        }
    ],
    "rules": [
        {
            "conditions": [],

"rules": [
                {
                    "conditions": [],
                    "endpoint": {
                        "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                        "properties": {},
                        "headers": {}
                    },
                    "type": "endpoint"
                }
            ],

"type": "tree"
        }
    ],
    "type": "tree"
},
{
    "conditions": [],
    "error": "FIPS and DualStack are enabled, but this partition does not support
one or both",
    "type": "error"
}
],
"type": "tree"
},
{

"conditions": [
    {
        "fn": "booleanEquals",
        "argv": [
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            },
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        ]
    }
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                              {
                                "fn": "getAttr",
                                "argv": [
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                                  },
                                  "supportsFIPS"
                                ]
                              },
                              true

                        ]
                          }
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                            "conditions": [],
                            "rules": [
                              {
                                "conditions": [],
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fips.{Region}.{PartitionResult#dnsSuffix}",

  "properties": {},
                                  "headers": {}
                                },
                                "type": "endpoint"
                              }
                            ],
                            "type": "tree"
                          }
                        ],
                        "type": "tree"
                      },
                      {
                        "conditions": [],
                        "error": "FIPS is enabled
but this partition does not support FIPS",
                        "type": "error"
```

```
                    }
                ],
                "type": "tree"
            },
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            {
                                "ref": "UseDualStack"
                            },
                            true

        ]
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                "rules": [
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                            {
                                "fn": "booleanEquals",
                                "argv": [
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                                    {
                                        "fn": "getAttr",
                                        "argv": [
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                                            "ref": "PartitionResult"
                                            },
                                            "supportsDualStack"
                                        ]
                                    }
                                ]
                            }
                        ],
                        "rules": [
                            {
                                "conditions": [],
                                "rules": [

    {
                                        "conditions": [],
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subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                            "properties": {},
```

"headers": {}
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],
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}
],
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},
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"type": "error"
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],
"type": "tree"
},
{
"conditions": [],
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{
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"endpoint": {
"url": "https://license-manager-linux-subscriptions.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
],
"type": "tree"
}
],
"type": "tree"
}
],
"type": "tree"
},
{
"conditions": [],
"error": "Invalid Configuration: Missing Region",
"type": "error"
}
],
"type": "tree"

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        }
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    },
    "smithy.rules#endpointTests": {
      "testCases": [
        {
          "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"

      }
          },
          "params": {
            "Region": "us-east-1",
            "UseFIPS": true,
            "UseDualStack": true
          }
        },
        {
          "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
            }
          },
          "params": {
            "Region": "us-east-1",
            "UseFIPS": true,
            "UseDualStack": false
          }
        },
        {

       "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
            }
          },
          "params": {
            "Region": "us-east-1",
            "UseFIPS": false,
            "UseDualStack": true
          }
        },
        {
          "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
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"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{

"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {

"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{

"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
}

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"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
}
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",

"expect": {
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
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"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {

"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false

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            }
        },
        {
            "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
enabled",
            "expect": {
                "error": "DualStack is enabled but this partition does not support DualStack"
            },
            "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": false,
                "UseDualStack": true
            }
        },
        {
            "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
                }
            },
            "params": {
                "Region": "us-iso-east-1",
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false,
                "UseDualStack": false
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            "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
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                "UseDualStack": true
            }
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            "expect": {
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                    "url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
                }
            },
            "params": {
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"UseFIPS": true,
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}
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{
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"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
"Region": "us-isob-east-1",
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"UseDualStack": true
}
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"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {

"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{

"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
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{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {

"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
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{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {

"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled LinuxSubscriptionsDiscovery"

},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled LinuxSubscriptionsDiscovery"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
"type": "structure",
"members": {
"SourceRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Regions in which to discover data for Linux subscriptions. ",
"smithy.api#required": {}
}
},
"OrganizationIntegration": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
"traits": {
"smithy.api#documentation": " Details if you have enabled resource discovery across your accounts in Organizations. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Lists the settings defined for discovering Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"

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        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
          },

  {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists the running Amazon EC2 instances that were discovered with
commercial Linux\n      subscriptions.</p>",
          "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/subscription/ListLinuxSubscriptionInstances"
          },
          "smithy.api#idempotent": {},
          "smithy.api#paginated": {
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
            "items": "Instances"
          }
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":
 {
        "type": "structure",
        "members": {
          "Filters": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
            "traits": {
              "smithy.api#documentation": "<p>An array of structures that you can use to filter the results by your
specified criteria. \n    \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the
\n    \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n
\t<code>Value</code>, such as <code>us-west</code>.</p>\n        <p>For each filter, you can specify one of the
following values for the <code>Name</code> key \n    \tto streamline results:</p>\n        <ul>\n          <li>\n
  <p>\n              <code>AccountID</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
    <code>AmiID</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>DualSubscription</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>InstanceID</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>InstanceType</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>ProductCode</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
```

```
<code>Region</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>Status</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>UsageOperation</code>\n            </p>\n          </li>\n        </ul>\n        <p>For each filter, you can use
one of the following <code>Operator</code>
 values to \n  \t\tdefine the behavior of the filter:</p>\n        <ul>\n          <li>\n            <p>\n
<code>contains</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>equals</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>Notequal</code>\n            </p>\n          </li>\n        </ul>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to
 start paginating. This \n\tis the nextToken from a previously truncated response.</p>",
                    "smithy.api#length": {
                        "min": 1,
                        "max": 16384
                    }
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
        "type": "structure",
        "members": {
            "Instances": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
                "traits": {
                    "smithy.api#documentation": "<p>An array that contains instance objects.</p>"
                }
            },
            "NextToken": {

        "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
```

next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptions"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",

"items": "Subscriptions"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",

"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't match a certain subscription's name. \n The valid names for this filter are: \n \n \n \n <code>Subscription</code>\n \n \n \n The
valid Operators for this filter are: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis
the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
"type": "structure",
"members": {
"Subscriptions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
"traits": {
"smithy.api#documentation": " An array that contains subscription objects. "
}
},
"NextToken": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List Bring Your Own License (BYOL) subscription registration resources for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListRegisteredSubscriptionProviders"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "RegisteredSubscriptionProviders"
}
}

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    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSources": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
                "traits": {
                    "smithy.api#documentation": "<p>To filter your results, specify which subscription providers to
return \n\t\t\tin the list.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>",
                    "smithy.api#range": {
                        "min": 1,
                        "max": 100
                    }
                }

  },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis the
nextToken from a previously truncated response.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
        "type": "structure",
        "members": {
            "RegisteredSubscriptionProviders": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
                "traits": {
                    "smithy.api#documentation": "<p>The list of BYOL registration resources that fit the criteria
\n\t\t\tyou specified in the request.</p>"
                }
            },

           "NextToken": {
                "target": "smithy.api#String",
                "traits": {
```

"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List the metadata tags that are assigned to the \n\t\t\tspecified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "GET",
"uri": "/tags/{resourceArn}"
},
"smithy.api#readonly": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource for which to list metadata tags. ",

```
                "smithy.api#httpLabel": {},
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
    "type": "structure",
    "members": {
        "tags": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
            "traits": {
                "smithy.api#documentation": "<p>The metadata tags for the requested resource.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
    "type": "string",
    "traits": {
        "smithy.api#enum": [
            {
                "name": "EQUAL",
                "value": "Equal",
                "documentation": "Equal operator"
            },
            {
                "name": "NOT_EQUAL",
                "value": "NotEqual",
                "documentation": "Not equal operator"
            },
            {
                "name": "CONTAINS",
                "value": "Contains",
                "documentation": "Contains operator"
            }
        ],
        "smithy.api#length": {
            "min": 1,
            "max": 20
        }
    }
```

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "Enabled",
                    "value": "Enabled",
                    "documentation": "Enabled OrganizationIntegration"
                },
                {
                    "name": "Disabled",
                    "value": "Disabled",
                    "documentation": "Disabled OrganizationIntegration"
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
        "type": "list",
        "member": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
         },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Register the supported third-party subscription provider for your Bring
Your Own License (BYOL) subscription.</p>",
            "smithy.api#http": {
```

"code": 200,
"method": "POST",
"uri": "/subscription/RegisterSubscriptionProvider"

},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " The supported Linux subscription provider to register. ",
"smithy.api#required": {}
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the secret where you've stored your subscription provider's access token. For \n\t\t\tRHEL subscriptions managed through the Red Hat Subscription Manager (RHSM), the secret contains \n\t\t\tyour Red Hat Offline token. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to your registered Linux subscription provider \n\t\t\tresource. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " The Linux subscription provider that you registered. "
}

```
            },
            "SubscriptionProviderArn": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
                }
            },
            "SubscriptionProviderStatus": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of the registration action for the Linux
subscription provider \n\t\t\tthat you requested.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider":
 {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
                }
            },
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation": "<p>A supported third-party Linux subscription provider. License
Manager currently supports \n\t\t\tRed Hat subscriptions.</p>"
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                 "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Secrets Manager secret
that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is
the offline token.</p>"
                }
            },
            "SubscriptionProviderStatus": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
```

"traits": {
"smithy.api#documentation": " Indicates the status of your registered Linux subscription provider access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions, \n\t\t\tthis is the status of the offline token. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " A detailed message that's associated with your BYOL subscription \n\t\t\tprovider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that License Manager accessed third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#documentation": " A third-party provider for operating system (OS) platform software and license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider, License Manager can get subscription data from the registered provider. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " Unable to find the requested Amazon Web Services resource. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {

"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-\\.]{0,63}:secret:[^/]{1,1023}$"

}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "InProgress",
"value": "InProgress",
"documentation": "InProgress status"
},
{
"name": "Completed",
"value": "Completed",
"documentation": "Completed status"
},
{
"name": "Successful",
"value": "Successful",
"documentation": "Successful status"
},
{
"name": "Failed",
"value": "Failed",
"documentation": "Failed status"
}
]
}
},

"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}
}
},
"traits": {
"smithy.api#length": {

"min": 1,
"max": 100
},
"smithy.api#uniqueItems": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
"type": "structure",
"members": {
"Name":
{
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the subscription. "
}
},
"Type": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS. "
}
},
"InstanceCount": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
"traits": {
"smithy.api#documentation": " The total amount of running instances using this subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " An object which details a discovered Linux subscription. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
"type": "list",

"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
"type": "string",
"traits": {
"smithy.api#enum": [

{
"name": "RedHat",
"value": "RedHat",
"documentation": "RedHat subscription provider namespace"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "ACTIVE",
"value": "ACTIVE",
"documentation": "ACTIVE status"
},
{
"name": "INVALID",
"value": "INVALID",

"documentation": "INVALID status"
},
{
"name": "PENDING",
"value": "PENDING",

"documentation": "PENDING status"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
"type": "list",
"member": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Add metadata tags to the specified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "PUT",
"uri": "/tags/{resourceArn}"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {

"type": "structure",
"members":
{
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to which to add the specified \n\t\t\tmetadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to the Amazon Web Services resource. Tags are \n\t\t\tformatted as key value pairs. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
      "type": "structure",
      "members": {
        "message": {
          "target": "smithy.api#String"
        }
      },
      "traits": {
        "smithy.api#documentation":
 "<p>The request was denied due to request throttling.</p>",
        "smithy.api#error": "client"
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
        },
        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
        }
      ],
      "traits": {
        "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web
Services resource.</p>",
         "smithy.api#http": {
          "method": "DELETE",
          "uri": "/tags/{resourceArn}"
        },
        "smithy.api#idempotent": {}
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
      "type": "structure",
      "members": {
        "resourceArn": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
          "traits": {
            "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to remove the metadata tags from.</p>",
```

"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"tagKeys": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
"traits": {

"smithy.api#documentation": " A list of metadata tag keys to remove from the requested \n\t\t\tresource. ",
"smithy.api#httpQuery": "tagKeys",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"

},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates the service settings for Linux subscriptions. ",

```
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/UpdateServiceSettings"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
                    "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
                    "smithy.api#required": {}
                }
            },
            "LinuxSubscriptionsDiscoverySettings": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
                "traits": {
                    "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The
settings include if Organizations\n      integration has been enabled, and which Regions data will be aggregated
from.</p>",
                    "smithy.api#required": {}
                }
            },
            "AllowUpdate": {
                "target":
 "smithy.api#Boolean",
                "traits": {
                    "smithy.api#documentation": "<p>Describes if updates are allowed to the service settings for Linux
subscriptions. If you\n      allow updates, you can aggregate Linux subscription data in more than one home
Region.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
                    "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
                }
            },
            "LinuxSubscriptionsDiscoverySettings": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}

},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The provided input is not valid. Try your request again. ",
"smithy.api#error": "client"
}
}
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string
```

```
 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
```

```
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack,
c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addCredentialSource(stack, options); err != nil {
 return err
}
if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack);
 err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager
```

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData
```

```
 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
```

```
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
```

```
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack,
 c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addCredentialSource(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
```

```
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack);
 err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
CreateLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  SetCredentialSourceMiddleware
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  spanRetryLoop
  Retry
```

RetryMetricsHeader
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
GetLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
SetCredentialSourceMiddleware
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
spanRetryLoop
Retry
RetryMetricsHeader
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash

setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger

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{
"smithy": "2.0",
"shapes": {
"com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"

```
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
        "type": "structure",
        "members": {
            "DirectoryId": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Directory",
                "traits": {
                    "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
                }
            },
            "ActiveDirectorySettings":
 {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings",
                "traits": {
                    "smithy.api#documentation": "<p>The <code>ActiveDirectorySettings</code> resource contains
details about \n\t\t\tthe Active Directory, including network access details such as domain name and IP
\n\t\t\taddresses, and the credential provider for user administration.</p>"
                }
            },
            "ActiveDirectoryType": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType",
                "traits": {
                    "smithy.api#documentation": "<p>The type of Active Directory  either a self-managed Active
Directory or an \n\t\t\tAmazon Web Services Managed Active Directory.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about an Active Directory identity
 provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings": {
        "type": "structure",
        "members": {
            "DomainName": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name for the Active Directory.</p>"
                }
            },
            "DomainIpv4List": {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#IpV4List",
"traits": {
"smithy.api#documentation": " A list of domain IPv4 addresses that are used for the Active Directory. ",
"smithy.api#length": {
"min": 1,
"max": 2
}
}
},
"DomainCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
"traits": {
"smithy.api#documentation": " Points to the <code>CredentialsProvider</code> resource that contains \n\t\t\tinformation about the credential provider for user administration. "
}
},
"DomainNetworkSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings",
"traits": {
"smithy.api#documentation": " The <code>DomainNetworkSettings</code> resource contains an array of \n\t\t\tsubnets that apply for the Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains network access and credential details that are needed for \n\t\t\tuser administration in the Active Directory. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "SELF_MANAGED",
"value": "SELF_MANAGED",
"documentation": "SELF_MANAGED type of Active Directory"
},
{
"name": "AWS_MANAGED",
"value": "AWS_MANAGED",
"documentation": "AWS_MANAGED type of Active Directory"
}
]
}

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#Arn": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-
zA-Z0-9-\\.]{1,510}/[a-zA-Z0-9-\\.]{1,510}$"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUser":
 {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Associates the user to an EC2 instance to utilize user-based
subscriptions.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related
costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing
status) in Amazon Web Services Billing. For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n\t\t\t\tmonthly
charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
            "smithy.api#http":
```

{
"code": 200,
"method": "POST",
"uri": "/user/AssociateUser"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance that provides the user-based subscription. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The identity provider for the user. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains information for the user to associate. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply for the user association. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request couldn't be completed because it conflicted with the current state of the\n\t\t\tresource. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},

{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a network endpoint for the Remote Desktop Services (RDS) license server. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/CreateLicenseServerEndpoint"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest": {
"type": "structure",
"members": {
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the <code>IdentityProvider</code> resource that contains details \n\t\t\tabout a registered identity provider. In the case of Active Directory, that can be \n\t\t\ta self-managed Active Directory or an Amazon Web Services Managed Active Directory that contains user identity details. ",
"smithy.api#required": {}
}
},
"LicenseServerSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings",
"traits": {
"smithy.api#documentation": " The <code>LicenseServerSettings</code> resource to create for the endpoint. The \n\t\t\tsettings include the type of license server and the Secrets Manager secret that \n\t\t\tenables

administrators to add or remove users associated with the \n\t\t\tlicense server. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply for the license server endpoint. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse":
{
"type": "structure",
"members": {
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider
specified in the request. "
}
},
"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The ARN of the <code>LicenseServerEndpoint</code>
resource. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider": {
"type": "union",
"members": {
"SecretsManagerCredentialsProvider":
{
"target": "com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider",
"traits": {
"smithy.api#documentation": " Identifies the Secrets Manager secret that contains credentials
needed for \n\t\t\tuser administration in the Active Directory. "
}

```
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Contains information about the credential provider for user
\n\t\t\tadministration.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

 }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes a <code>LicenseServerEndpoint</code> resource.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/license-server/DeleteLicenseServerEndpoint"
            },
            "smithy.api#idempotent": {}
        }
```

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest": {
        "type": "structure",
        "members": {
            "LicenseServerEndpointArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the
<code>LicenseServerEndpoint</code> \n\t\t\tresource to delete.</p>",
                    "smithy.api#required": {}
                }
            },
            "ServerType": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
                "traits": {
                    "smithy.api#documentation": "<p>The type of License Server that the delete request refers to.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse": {
        "type": "structure",
        "members": {
            "LicenseServerEndpoint": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint",
                "traits": {
                    "smithy.api#documentation": "<p>Shows details from the <code>LicenseServerEndpoint</code>
resource that was deleted.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
        },
        "errors": [
```

{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deregisters the Active Directory identity provider from License Manager user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/DeregisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the Active Directory identity provider. "
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n

Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code> |
\n<code>REMOTE_DESKTOP_SERVICES</code>\n "
            }
        },
        "IdentityProviderArn": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
            "traits": {
                "smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the identity provider to deregister. "
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
    "type": "structure",
    "members": {
        "IdentityProviderSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
            "traits": {
                "smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#output": {}

}
},
"com.amazonaws.licensemanagerusersubscriptions#Directory": {
    "type": "string",
    "traits": {
        "smithy.api#pattern": "^(d|sd)-[0-9a-f]{10}$"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
    },

"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Disassociates the user from an EC2 instance providing user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/DisassociateUser"
},
"smithy.api#idempotent": {}

}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the Active Directory identity provider for the user. "
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The ID of the EC2 instance which provides user-based subscriptions. "
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the Active Directory identity provider. "
}
},
"InstanceUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the user to disassociate from the EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains information for the user to disassociate. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings": {
"type": "structure",

"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " Contains a list of subnets that apply for the Active Directory domain. ",
"smithy.api#length": {
"min": 1
},

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Contains network settings for the Active Directory domain. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#Filter": {
"type": "structure",
"members": {
"Attribute": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of an attribute to use as a filter. "
}
},
"Operation": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of search (For example, eq, geq, leq) "
}
},
"Value": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " Value of the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used to return more specific results from a describe\n\t\t\tor list operation. You can use filters can be used to match a set of resources by specific \n\t\t\tcriteria, such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#FilterList": {

"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
"type": "union",
"members": {
"ActiveDirectoryIdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
"traits": {
"smithy.api#documentation": " The <code>ActiveDirectoryIdentityProvider</code> resource contains settings \n\t\t\tand other details about a specific Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation": " Refers to an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The <code>IdentityProvider</code> resource contains information about \n\t\t\tan identity provider. ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The <code>Settings</code> resource contains details about the registered \n\t\t\tidentity providers product related configuration settings, such as the \n\t\t\tsubnets to provision VPC endpoints. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Status": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the
identity provider. ",
"smithy.api#required": {}
}
},
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider. "
}
},
"FailureMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The failure message associated with an identity provider. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
"type": "list",
"member": {

"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based
subscriptions. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of an EC2 instance resource. ",
"smithy.api#required": {}
}

```
            },
            "Products": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
                 "traits": {
                    "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
                    "smithy.api#required": {}
                }
            },
            "LastStatusCheckDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The date of the last status check.</p>"
                }
            },
            "StatusMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance that provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
```

```
            }
        },

    "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
                "smithy.api#documentation": "<p>The <code>IdentityProvider</code> resource specifies details
\n\t\t\tabout the identity provider.</p>",
                "smithy.api#required": {}
            }
        },
        "Status": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The status of a user associated with an EC2 instance.</p>",
                "smithy.api#required": {}
            }
        },
        "InstanceUserArn": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
            "traits": {
                "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the instance
user.</p>"
             }
        },
        "StatusMessage": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The status message for users of an EC2 instance.</p>"
            }
        },
        "Domain": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The domain name of the  Active Directory that contains the user
information for the product subscription.</p>"
            }
        },
        "AssociationDate": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The date a user was associated with an EC2 instance.</p>"
            }
        },
        "DisassociationDate": {
            "target": "smithy.api#String",
             "traits": {
                "smithy.api#documentation": "<p>The date a user was disassociated from an EC2 instance.</p>"
```

```
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Describes users of an EC2 instance providing user-based
subscriptions.</p>"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
        "type": "structure",
        "members": {
          "message": {
            "target": "smithy.api#String"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
           "smithy.api#error": "server",
          "smithy.api#httpError": 500
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#IpV4": {
        "type": "string",
        "traits": {
          "smithy.api#pattern": "^(?:(25[0-5]|2[0-4][0-9]|1[0-9][0-9]|[1-9][0-9]|[0-9])(\\.(?!$)|$)){4}$"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#IpV4List": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#IpV4"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
        "type": "service",
        "version": "2018-05-10",
        "operations": [
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint"
```

},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#TagResource"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#UntagResource"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
}
],

"traits": {
"aws.api#service": {
"sdkId": "License Manager User Subscriptions",
"arnNamespace": "license-manager-user-subscriptions",
"cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
},
"aws.auth#sigv4": {
"name": "license-manager-user-subscriptions"
},
"aws.protocols#restJson1": {},
"smithy.api#cors": {
"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id",
"content-length",

"x-api-key",
"authorization",
"x-amz-date",
"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n\t\ta per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region":
{
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {

"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
},
"rules": [
{
"conditions": [
{
"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
]
}
],
"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"
},
true
]
}
],

```
                "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                "type": "error"
            },
            {
                "conditions": [
                    {

                        "fn": "booleanEquals",
                        "argv": [
                            {
                                "ref": "UseDualStack"
                            },
                            true
                        ]
                    }
                ],
                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                "type": "error"
            },
            {
                "conditions": [],
                "endpoint": {
                    "url": {
                        "ref": "Endpoint"
                    },

"properties": {},
                    "headers": {}
                },
                "type": "endpoint"
            }
        ],
        "type": "tree"
    },
    {
        "conditions": [
            {
                "fn": "isSet",
                "argv": [
                    {
                        "ref": "Region"
                    }
                ]
            }
        ],
        "rules": [
            {
                "conditions": [
```

```
                    {
                        "fn": "aws.partition",

                    "argv": [
                        {
                            "ref": "Region"
                        }
                    ],
                    "assign": "PartitionResult"
                    }
                ],
                "rules": [
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    {
                                        "ref": "UseFIPS"
                                    },

true
                                ]
                            },
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    {
                                        "ref": "UseDualStack"
                                    },
                                    true
                                ]
                            }
                        ],
                        "rules": [
                            {
                                "conditions": [
                                    {

"fn": "booleanEquals",
                                        "argv": [
                                            true,
                                            {
                                                "fn": "getAttr",
                                                "argv": [
                                                    {
                                                        "ref": "PartitionResult"
                                                    },
```

"supportsFIPS"
]
}
]
},

{
"fn": "booleanEquals",
"argv": [
true,
{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsDualStack"
]
}

]
}
],
"rules": [
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}

],
"type": "tree"
},
{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
],
"type": "tree"
},
{

```
                    "conditions": [
                      {
                        "fn": "booleanEquals",
                        "argv": [

{
                          "ref": "UseFIPS"
                        },
                        true
                      ]
                    }
                  ],
                  "rules": [
                    {
                      "conditions": [
                        {
                          "fn": "booleanEquals",
                          "argv": [
                            {
                              "fn": "getAttr",
                              "argv": [

{
                                "ref": "PartitionResult"
                              },
                              "supportsFIPS"
                            ]
                          },
                          true
                        ]
                        }
                      ],
                      "rules": [
                        {
                          "conditions": [],
                          "endpoint": {

"url": "https://license-manager-user-subscriptions-fips.{Region}.{PartitionResult#dnsSuffix}",
                            "properties": {},
                            "headers": {}
                          },
                          "type": "endpoint"
                        }
                      ],
                      "type": "tree"
                    },
                    {
                      "conditions": [],
```

```
                "error": "FIPS is enabled but this partition does not support FIPS",
                "type": "error"

    }
            ],
            "type": "tree"
        },
        {
            "conditions": [
                {
                    "fn": "booleanEquals",
                    "argv": [
                        {
                            "ref": "UseDualStack"
                        },
                        true
                    ]
                }
            ],
            "rules": [
                {

        "conditions": [
                        {
                            "fn": "booleanEquals",
                            "argv": [
                                true,
                                {
                                    "fn": "getAttr",
                                    "argv": [
                                        {
                                            "ref": "PartitionResult"
                                        },
                                        "supportsDualStack"
                                    ]

          }
                            ]
                        }
                    ],
                    "rules": [
                        {
                            "conditions": [],
                            "endpoint": {
                                "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                "properties": {},
                                "headers": {}
```

```
                    },
                    "type": "endpoint"
                }

            ],
                "type": "tree"
            },
            {
                "conditions": [],
                "error": "DualStack is enabled but this partition does not support DualStack",
                "type": "error"
            }
        ],
        "type": "tree"
    },
    {
        "conditions": [],
        "endpoint": {
            "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",

            "properties": {},
                "headers": {}
        },
        "type": "endpoint"
    }
  ],
  "type": "tree"
}
],
"type": "tree"
},
{
  "conditions": [],
  "error": "Invalid Configuration: Missing Region",
  "type": "error"
}
]
},
"smithy.rules#endpointTests": {
  "testCases": [
    {
      "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
      "expect":
{
        "endpoint": {
          "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
        }
```

```
            },
            "params": {
              "Region": "us-east-1",
              "UseFIPS": true,
              "UseDualStack": true
            }
          },
          {
            "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
              }
            },
            "params": {
              "Region": "us-east-1",

      "UseFIPS": true,
              "UseDualStack": false
            }
          },
          {
            "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
              }
            },
            "params": {
              "Region": "us-east-1",
              "UseFIPS": false,
              "UseDualStack": true
            }
          },
          {
            "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
              "endpoint":
{
                "url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
              }
            },
            "params": {
              "Region": "us-east-1",
              "UseFIPS": false,
              "UseDualStack": false
            }
          },
```

{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
}

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        },
        "params": {
          "Region": "cn-north-1",
          "UseFIPS": false,
           "UseDualStack": false
        }
      },
      {
        "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
          }
        },
        "params": {
          "Region": "us-gov-east-1",
          "UseFIPS": true,
          "UseDualStack": true
        }
      },
      {
        "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
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{
            "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
          }
        },
        "params": {
          "Region": "us-gov-east-1",
          "UseFIPS": true,
          "UseDualStack": false
        }
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      {
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        "expect": {
          "endpoint": {
            "url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
          }
        },
        "params": {
          "Region": "us-gov-east-1",
          "UseFIPS": false,
           "UseDualStack": true
        }
      },
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS
and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false

}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}

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              "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
              "expect": {
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                  "url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
                }

          },
              "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
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            {
              "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
              },
              "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": true,
                "UseDualStack": true
              }
            },
            {
              "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack
disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
                }
              },
              "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": true,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
              "expect": {
                "error": "DualStack is enabled but this partition does not support DualStack"
              },
              "params": {
                "Region": "us-isob-east-1",
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"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {

"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{

"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration:
Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServer": {
"type": "structure",
"members": {
"ProvisioningStatus": {
"target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
"traits": {
"smithy.api#documentation": " The current state of the provisioning process for the RDS
\n\t\t\tlicense server. "
}
},
"HealthStatus": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus",

"traits": {
"smithy.api#documentation": " The health status of the RDS license server. "
}
},
"Ipv4Address": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A list of domain IPv4 addresses that are used for the RDS \n\t\t\tlicense server. "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a Remote Desktop Services (RDS) license server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint": {
"type": "structure",
"members": {
"IdentityProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider that's associated with \n\t\t\tthe RDS license server endpoint. "
}
},
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of license server. "
}
},
"ServerEndpoint": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint",

"traits": {
"smithy.api#documentation": " The <code>ServerEndpoint</code> resource contains the network \n\t\t\taddress of the RDS license server endpoint. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The message associated with the provisioning status, if there is one. "
}
},

"LicenseServerEndpointId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId",
"traits": {
"smithy.api#documentation": " The ID of the license server endpoint. "
}
},
"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits":
{
"smithy.api#documentation": " The ARN of the <code>ServerEndpoint</code> resource for the RDS \n\t\t\tlicense server. "
}
},
"LicenseServerEndpointProvisioningStatus": {
"target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
"traits": {
"smithy.api#documentation": " The current state of the provisioning process for the RDS license \n\t\t\tserver endpoint "
}
},
"LicenseServers": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerList",
"traits": {
"smithy.api#documentation": " An array of <code>LicenseServer</code> resources that represent the \n\t\t\tlicense servers that are accessed through this endpoint. "
}
},

"CreationTime": {
"target": "smithy.api#Timestamp",
"traits": {
"smithy.api#documentation": " The timestamp when License Manager created the license server endpoint. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains details about a network endpoint for a Remote Desktop Services (RDS) \n\t\t\tlicense server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId": {
"type": "string"
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList": {
"type": "list",

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        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus": {

"type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "PROVISIONING",
                    "value": "PROVISIONING",
                    "documentation": ""
                },
                {
                    "name": "PROVISIONING_FAILED",
                    "value": "PROVISIONING_FAILED",
                    "documentation": ""
                },
                {
                    "name": "PROVISIONED",
                    "value": "PROVISIONED",
                    "documentation": ""
                },
                {
                    "name": "DELETING",
                    "value": "DELETING",
                    "documentation": ""
                },
                {
                    "name": "DELETION_FAILED",
                    "value": "DELETION_FAILED",
                    "documentation": ""

                },
                {
                    "name": "DELETED",
                    "value": "DELETED",
                    "documentation": ""
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
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"name": "HEALTHY",
"value": "HEALTHY",
"documentation": ""
},
{
"name": "UNHEALTHY",
"value": "UNHEALTHY",
"documentation": ""
},
{
"name": "NOT_APPLICABLE",
"value": "NOT_APPLICABLE",
"documentation": ""
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServer"
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings": {
"type": "structure",
"members": {
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of license server. ",
"smithy.api#required": {}
}
},
"ServerSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerSettings",
"traits": {
"smithy.api#documentation": " The <code>ServerSettings</code> resource contains the settings for
your \n\t\t\tserver. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The settings to configure your license server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Active Directory identity providers for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/ListIdentityProviders"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "IdentityProviderSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {

"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Product \n \n \n DirectoryId \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse": {
"type": "structure",
"members": {
"IdentityProviderSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",

"traits": {
"smithy.api#documentation": " An array of <code>IdentityProviderSummary</code> resources that contain \n\t\t\tdetails about the Active Directory identity providers that meet the request criteria. ",
"smithy.api#required": {}
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}

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        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
    "type": "operation",
     "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },

{
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/instance/ListInstances"
        },
        "smithy.api#paginated": {
            "inputToken": "NextToken",
            "outputToken": "NextToken",
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"pageSize": "MaxResults",
"items": "InstanceSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
"type": "structure",
"members":
{
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Status \n \n \n InstanceId \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
"type": "structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
"traits": {
"smithy.api#documentation": " An array of <code>InstanceSummary</code> resources that contain details \n\t\t\tabout the instances that provide user-based subscriptions and also meet the \n\t\t\trequest criteria. "
}
},
"NextToken": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next
token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service
hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List the Remote Desktop Services (RDS) License Server endpoints
",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/ListLicenseServerEndpoints"
},

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        "smithy.api#paginated": {
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
            "items": "LicenseServerEndpoints"
        }
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest": {
      "type": "structure",
      "members": {
        "MaxResults": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
          "traits": {
            "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>",
            "smithy.api#range": {
              "min": 1,
              "max": 100
            }
          }
        },
        "Filters": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
          "traits": {
            "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
<ul>\n        <li>\n        <p>IdentityProviderArn</p>\n        </li>\n        </ul>"
          }
        },
        "NextToken": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse": {
      "type": "structure",
      "members": {
        "LicenseServerEndpoints": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList",
```

"traits": {
"smithy.api#documentation": " An array of <code>LicenseServerEndpoint</code> resources that \n\t\t\tcontain detailed information about the RDS License Servers that meet \n\t\t\tthe request criteria. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
"type":
"operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity
provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/ListProductSubscriptions"
            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "ProductUserSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest":
 {
        "type": "structure",
        "members": {
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code> |
\n<code>REMOTE_DESKTOP_SERVICES</code>\n        </p>"
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                 "traits": {
                    "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
                "traits": {
```

"smithy.api#documentation": " You can use the following filters to streamline results: \n
\n \n Status \n \n \n Username \n
\n \n Domain \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating.
This is the nextToken \n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
"type": "structure",
"members": {
"ProductUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions
operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service
hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse"
},

```
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target":
 "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Returns the list of tags for the specified resource.</p>",
            "smithy.api#http": {
                "method": "GET",
                "uri": "/tags/{ResourceArn}"
            },
            "smithy.api#readonly": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource whose tags
you want to retrieve.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}

         }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The tags for the specified resource.</p>"
                }
            }
```

```
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
     },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
         }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/user/ListUserAssociations"
        },
        "smithy.api#paginated": {
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
            "items": "InstanceUserSummaries"
```

```
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which
 provides user-based subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
                "traits": {

    "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n        <ul>\n
    <li>\n            <p>Status</p>\n        </li>\n        <li>\n            <p>Username</p>\n        </li>\n
<li>\n            <p>Domain</p>\n        </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
```

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
      "type": "structure",
      "members": {
        "InstanceUserSummaries": {

         "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
          "traits": {
            "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
          }
        },
        "NextToken": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to retrieve additional objects.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
      "type": "structure",
      "members": {
        "Username":
 {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The user name from the identity provider for this product
user.</p>",
            "smithy.api#required": {}
          }
        },
        "Product": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
            "smithy.api#required": {}
          }
        },
        "IdentityProvider": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
          "traits": {
            "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
            "smithy.api#required": {}
```

```
            }
        },
        "Status": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The status of a product for this user.</p>",
                "smithy.api#required": {}
            }
        },
        "ProductUserArn": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
            "traits": {
                "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) for this product user.</p>"
            }
        },
        "StatusMessage": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The status message for a product for this user.</p>"
            }
        },
        "Domain": {
            "target": "smithy.api#String",
            "traits": {

        "smithy.api#documentation": "<p>The domain name of the  Active Directory that contains the user
information for the product subscription.</p>"
            }
        },
        "SubscriptionStartDate": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The start date of a subscription.</p>"
            }
        },
        "SubscriptionEndDate": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The end date of a subscription.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>A summary of the user-based subscription products for a specific
user.</p>"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
```

"type":
"list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings": {
"type": "structure",
"members": {
"RdsSalCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
"traits": {
"smithy.api#documentation": " The <code>CredentialsProvider</code> resource contains a reference to \n\t\t\tthe credentials provider that's used for RDS license server user administration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Server settings that are specific to a Remote Desktop Services (RDS) license server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target":

"com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Registers an identity provider for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/RegisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {

"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider to register. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code> | \n<code>REMOTE_DESKTOP_SERVICES</code>\n ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits":
{
"smithy.api#documentation": " The registered identity providers product related configuration \n\t\t\tsettings such as the subnets to provision VPC endpoints. "
}

```
            },
            "Tags": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The tags that apply to the identity provider's registration.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
        "type": "structure",
        "members": {
            "IdentityProviderSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
                "traits": {
                    "smithy.api#documentation":
 "<p>Metadata that describes the results of an identity provider operation.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ResourceArn": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^arn:([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-
\\.]{1,63}):([a-z0-9-\\.]{1,510})/([a-z0-9-\\.]{1,510})$"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The resource couldn't be found.</p>",

    "smithy.api#error": "client",
            "smithy.api#httpError": 404
        }
```

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider": {
      "type": "structure",
      "members": {
        "SecretId": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The ID of the Secrets Manager secret that contains
credentials.</p>",
            "smithy.api#length": {
              "min": 1
            }
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Contains a credentials secret that's stored in Secrets Manager.</p>"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
      "type": "string",
      "traits": {
        "smithy.api#length": {

       "min": 5,
          "max": 200
        },
        "smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint": {
      "type": "structure",
      "members": {
        "Endpoint": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The network address of the endpoint.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>A network endpoint through which you can access one or more
servers.</p>"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ServerSettings": {
      "type": "union",
      "members": {
```

"RdsSalSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings",
"traits": {
"smithy.api#documentation": " The <code>RdsSalSettings</code> resource contains settings to configure \n\t\t\ta specific Remote Desktop Services (RDS) license server. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains settings for a specific server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServerType": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "RDS_SAL",
"value": "RDS_SAL",
"documentation": ""
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
"type": "structure",
"members": {
"message": {

"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request failed because a service quota is exceeded. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Settings": {
"type": "structure",
"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The subnets defined for the registered identity provider. ",
"smithy.api#length": {
"min": 1
},
"smithy.api#required": {}

```
            }
          },
          "SecurityGroupId": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",

           "traits": {
                "smithy.api#documentation": "<p>A security group ID that allows inbound TCP port 1688
communication between resources in\n\t\t\tyour VPC and the VPC endpoint for activation servers.</p>",
                "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The registered identity providers product related configuration settings
such as the\n\t\t\tsubnets to provision VPC endpoints, and the security group ID that is associated with the
VPC\n\t\t\tendpoints. The security group should permit inbound TCP port 1688 communication from
resources\n\t\t\tin the VPC.</p>"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
         },
        "output": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"

         },
          {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Starts a product subscription for a user with the specified identity provider. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your\n\t\t\t\tmonthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StartProductSubscription"
}

}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code> | \n<code>REMOTE_DESKTOP_SERVICES</code>\n ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains the user for whom to start the product \n\t\t\tsubscription. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply to the product subscription. "
}

}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"

},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"

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            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"

    },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Stops a product subscription for a user with the specified identity
provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/StopProductSubscription"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>"
                }
            },
            "IdentityProvider": {
                "target":
 "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>"
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
```

Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code> |
\n<code>REMOTE_DESKTOP_SERVICES</code>\n "
            }
        },
        "ProductUserArn": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
            "traits": {
                "smithy.api#documentation": " The Amazon Resource Name (ARN) of the product user. "

            }
        },
        "Domain": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": " The domain name of the Active Directory that contains the user
for whom to stop the product \n\t\t\tsubscription. "
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
    "type": "structure",
    "members": {
        "ProductUserSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
            "traits": {
                "smithy.api#documentation": " Metadata that describes the start product subscription
operation. ",
                "smithy.api#required": {}
            }

}
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#StringList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#Subnet": {

"type": "string",
"traits": {
"smithy.api#pattern": "^subnet-[a-z0-9]{8,17}"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Subnets": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
}
},
"com.amazonaws.licensemanagerusersubscriptions#TagKeyList": {
"type": "list",
"member": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {

"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#TagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation":
" Adds tags to a resource. ",
"smithy.api#http": {

```
                "method": "PUT",
                "uri": "/tags/{ResourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want
to tag.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation":
 "<p>The tags to apply to the specified resource.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Tags": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
        "value": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {
```

```
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException":
 {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the
request.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {

         "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Removes tags from a resource.</p>",
            "smithy.api#http": {
                "method": "DELETE",
                "uri": "/tags/{ResourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest": {
        "type": "structure",
```

"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource that you want to remove tags from. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}

}
},
"TagKeys": {
"target": "com.amazonaws.licensemanagerusersubscriptions#TagKeyList",
"traits": {
"smithy.api#documentation": " The tag keys to remove from the resource. ",
"smithy.api#httpQuery": "tagKeys",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates additional product configuration settings for the registered
identity\n\t\t\tprovider.</p>",
            "smithy.api#http": {

    "code": 200,
                "method": "POST",
                "uri": "/identity-provider/UpdateIdentityProviderSettings"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider"
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code> |
\n<code>REMOTE_DESKTOP_SERVICES</code>\n        </p>"
                }
            },

            "IdentityProviderArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider to
update.</p>"
                }
            },
            "UpdateSettings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
                "traits": {
                    "smithy.api#documentation": "<p>Updates the registered identity providers product related
configuration settings. You can\n\t\t\tupdate any combination of settings in a single operation such as the:</p>\n
<ul>\n            <li>\n                <p>Subnets which you want to add to provision VPC endpoints.</p>\n            </li>\n
    <li>\n                <p>Subnets which you want to remove the VPC endpoints from.</p>\n            </li>\n
<li>\n                <p>Security
```

group ID which permits traffic to the VPC endpoints. \n \n ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
"type": "structure",
"members": {
"AddSubnets": {

"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets in which License Manager will create a VPC endpoint for products that\n\t\t\trequire connectivity to activation servers. ",
"smithy.api#required": {}
}
},
"RemoveSubnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets to remove. ",
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688 communication between resources in\n\t\t\tyour VPC and the VPC endpoints for activation servers. "

```
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Updates the registered identity providers product related configuration
settings such as\n\t\t\tthe subnets to provision VPC endpoints.</p>"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
        "type": "structure",
        "members": {
          "message": {
            "target": "smithy.api#String"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>A parameter is not valid.</p>",
          "smithy.api#error": "client"
        }
      }
    }
}
```


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ListReceivedLicenses

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

spanInitializeEnd

Serialize stack step

```
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  SetCredentialSourceMiddleware
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  spanRetryLoop
  Retry
  RetryMetricsHeader
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
```

```
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
```

```
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if
err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
```

```
 return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if
 err = addCredentialSource(stack, options); err != nil {
  return err
 }
 if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region
```

```
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
 }
}
CheckoutLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  SetCredentialSourceMiddleware
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  spanRetryLoop
  Retry
  RetryMetricsHeader
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
```

RequestResponseLogger

1.7319 go-autorest-autorest 0.11.29

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1.7323 libglibdata 2.80.0-6ubuntu3.2

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Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: GLib
Source: https://download.gnome.org/sources/glib/
Comment:
Some files are mechanically derived from Unicode data.
We do not use the Debian unicode-data package as source for these, because
GLib's Unicode data is part of its upstream API/ABI, and the Debian
unicode-data package does not necessarily match the version used in GLib.
.
The files excluded here are not currently needed for GLib.
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CJK*.txt
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DerivedCoreProperties.txt
DerivedNormalizationProps.txt
Emoji*.txt
EquivalentUnifiedIdeograph.txt
Hangul*.txt
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Indic*.txt
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Nushu*.txt
Prop*.txt
ScriptExtensions.txt
StandardizedVariants.txt
Tangut*.txt
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VerticalOrientation.txt
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extracted/DerivedB*.txt
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library"
with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work
that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more

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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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1.7333 otel-exporters-otlp-otlptrace 1.31.0

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1.7334 otel-exporters-otlp-otlptrace-otlptracehttp 1.31.0

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1.7335 aws-sdk-go-v2-config 1.28.5

1.7335.1 Available under license :

```
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
       uses: actions/checkout@v2
       with:
         path: new-ref
         fetch-depth: 0
     - name: Get Diff
       run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
```

```
${{ github.sha }} > refDiffFiles.txt
    - name: Get Target Files
      run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
    - name: Checkout scancode
      uses: actions/checkout@v2
      with:
        repository: nexB/scancode-toolkit
        path: scancode-toolkit
        fetch-depth: 1
    - name: Set up Python ${{ matrix.python-version }}
       uses: actions/setup-python@v2
      with:
        python-version: ${{ matrix.python-version }}
    # ScanCode
    - name: Self-configure scancode
      working-directory: ./scancode-toolkit
      run: ./scancode --help
    - name: Run Scan code on target
      run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
    - name: Run Scan code on pr ref
      run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
CreateLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
```

ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
ListReceivedLicenses
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware

RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "shapes": {
    "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
      "type": "integer"
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
      "type": "long"
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
      "type": "structure",
      "members": {
        "Name": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The type of name to filter by.</p>"
          }
        },
        "Values": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
          "traits": {
            "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
          }
        },
        "Operator": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
          "traits": {
            "smithy.api#documentation": "<p>An operator for filtering results.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe
operation.\n      Filters can be used to match a set of resources by specific criteria.</p>"
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
```

```
        },
        "output": {

          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists the Linux subscriptions service settings.</p>",
          "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/subscription/GetServiceSettings"
          },
          "smithy.api#idempotent": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest":
{
        "type": "structure",
        "members": {}
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
          "LinuxSubscriptionsDiscovery": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
            "traits": {
              "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
            }
          },
          "LinuxSubscriptionsDiscoverySettings": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
            "traits": {
              "smithy.api#documentation": "<p>Lists the settings defined for Linux subscriptions discovery. The
settings include if\n      Organizations integration has been enabled, and
 which Regions data will be aggregated from.</p>"
            }
          },
```

"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}
},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
"type": "structure",
"members": {
"AmiId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The AMI ID used to launch the instance. "
}
},
"InstanceID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The instance ID of the resource. "
}
},
"InstanceType": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The instance type of the resource. "
}

},
"AccountID": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The account ID which owns the instance. "
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the instance. "
}
},
"Region": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},
"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the subscription being used by the instance. "
}
}
},
"traits": {
"smithy.api#documentation": " Details discovered information about a running instance using Linux

subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
"type": "service",
"version": "2018-05-10",
"operations": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
}
],

"traits": {
"aws.api#service": {
"sdkId": "License Manager Linux Subscriptions",
"arnNamespace": "license-manager-linux-subscriptions",
"cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
},
"aws.auth#sigv4": {
"name": "license-manager-linux-subscriptions"
},

"aws.protocols#restJson1": {},
"smithy.api#cors": {
"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id",
"content-length",
"x-api-key",
"authorization",
"x-amz-date",

"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager, you can discover and track your commercial Linux subscriptions on running\n Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",

"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",

"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
},
"rules": [
{
"conditions": [
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}
]
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},
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                                          "argv": [
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                                       "supportsDualStack"
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                                      "rules": [
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fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
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                                            "headers": {}
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                                          "type": "endpoint"
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                    ]

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                                    "type": "endpoint"
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                    "conditions": [],
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                    "type": "error"
                }
            ]

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                                            },
                                            "supportsDualStack"
                                        ]
                                    }
                                ]
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                                            "headers": {}
                                        },
                                        "type": "endpoint"
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                            }
                        ]
                    },

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                "rules": [
                    {
                        "conditions": [],
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"headers": {}
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"type": "endpoint"
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"error": "Invalid Configuration: Missing Region",
"type": "error"
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"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"
}
},
"params": {
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"UseFIPS": true,
"UseDualStack": true
}
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"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
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},
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        "UseDualStack": false
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        }
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"params": {
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"params": {
"Region": "us-gov-east-1",
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}
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"UseDualStack": false
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"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
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"UseDualStack": false
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"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
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"params": {
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"UseFIPS": false,
"UseDualStack": false
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"expect": {

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"params": {
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"UseFIPS": false,
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"Endpoint": "https://example.com"
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"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",

"expect": {
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"params": {
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"expect": {
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"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,

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"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
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"UseDualStack": true,

"Endpoint": "https://example.com"
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{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}

}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
"type": "string",
"traits": {
"smithy.api#enum": [
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"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled LinuxSubscriptionsDiscovery"
},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled LinuxSubscriptionsDiscovery"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
"type": "structure",
"members": {
"SourceRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Regions in which to discover data for Linux subscriptions. ",
"smithy.api#required": {}
}
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"OrganizationIntegration": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
"traits": {
"smithy.api#documentation": " Details if you have enabled resource discovery across your accounts in Organizations. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Lists the settings defined for discovering Linux subscriptions. "
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
"type":
"operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the running Amazon EC2 instances that were discovered with
commercial Linux\n subscriptions. ",
"smithy.api#http": {

"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptionInstances"
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"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Instances"
}
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest": {
"type": "structure",

"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>AmiID</code> with an optional operator to see subscriptions that match, partially\n match, or don't match a certain Amazon Machine Image (AMI) ID. \n The valid names for this filter are: \n \n \n \n <code>AmiID</code>\n \n \n \n \n <code>InstanceID</code>\n \n \n \n \n <code>AccountID</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Region</code>\n \n \n \n \n <code>UsageOperation</code>\n \n \n \n \n <code>ProductCode</code>\n \n \n \n \n <code>InstanceType</code>\n \n \n \n The valid Operators for this filter are: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "

}
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"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
"type": "structure",
"members": {
"Instances": {

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
"traits": {
"smithy.api#documentation":
" An array that contains instance objects. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptions"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Subscriptions"

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            }

        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify. For example, you can filter by the name of\n
 <code>Subscription</code> with an optional operator to see subscriptions that match,\n      partially match, or don't
match a certain subscription's name.</p>\n         <p>The valid names for this filter are:</p>\n         <ul>\n
<li>\n              <p>\n                  <code>Subscription</code>\n              </p>\n           </li>\n         </ul>\n
<p>The valid Operators for this filter are:</p>\n
         <ul>\n           <li>\n              <p>\n                  <code>contains</code>\n              </p>\n           </li>\n
<li>\n              <p>\n                  <code>equals</code>\n              </p>\n           </li>\n           <li>\n              <p>\n
              <code>Notequal</code>\n              </p>\n           </li>\n         </ul>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
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                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>",
                    "smithy.api#length": {

                        "min": 1,
                        "max": 16384
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                }
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        "traits": {
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parameters in request increases."
        }
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    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
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        "members": {
            "Subscriptions": {
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
"traits": {
"smithy.api#documentation": " An array that contains subscription objects. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for
the next set of results. "
}
}
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
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"traits": {
"smithy.api#enum": [
{
"name": "EQUAL",
"value": "Equal",
"documentation": "Equal operator"
},
{
"name": "NOT_EQUAL",
"value": "NotEqual",
"documentation": "Not equal operator"
},
{
"name": "CONTAINS",
"value": "Contains",
"documentation": "Contains operator"
}
],
"smithy.api#length": {
"min": 1,
"max": 20
}
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "Enabled",
"value": "Enabled",

"documentation": "Enabled OrganizationIntegration"
},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled OrganizationIntegration"
}
]
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
"type": "list",
"member": {
"target": "smithy.api#String"
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
"type": "string",
"traits": {
"smithy.api#enum": [

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"name": "InProgress",
"value": "InProgress",
"documentation": "InProgress status"
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{
"name": "Completed",
"value": "Completed",
"documentation": "Completed status"
},
{
"name": "Successful",
"value": "Successful",
"documentation": "Successful status"
},
{
"name": "Failed",
"value": "Failed",
"documentation": "Failed status"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String",

"traits":
{
"smithy.api#length": {
"min": 1,
"max": 100
}
}
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
},
"smithy.api#uniqueItems": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
"type": "structure",
"members": {
"Name": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the subscription. "

}
},
"Type": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS. "
}
},
"InstanceCount": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
"traits": {
"smithy.api#documentation": " The total amount of running instances using this subscription. "

```
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>An object which details a discovered Linux
subscription.</p>"
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
          "message": {
            "target": "smithy.api#String"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The request was denied due to request throttling.</p>",
          "smithy.api#error": "client"
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
        },

      "output": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Updates the service settings for Linux subscriptions.</p>",
```

"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/UpdateServiceSettings"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest":
{
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Describes if the discovery of Linux subscriptions is enabled. ",
"smithy.api#required": {}
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The
settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated
from. ",

"smithy.api#required": {}
}
},
"AllowUpdate": {
"target": "smithy.api#Boolean",
"traits": {
"smithy.api#documentation": " Describes if updates are allowed to the service settings for Linux
subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home
Region. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},

"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}
},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The provided input is not valid. Try your request again. ",
"smithy.api#error": "client"
}
}
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

```
package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
```

```
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string
```

```
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
```

```
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
```

```
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
```

```
//
This member is required.
ClientToken *string

// Configuration for consumption of the license. Choose a provisional
// configuration for workloads running with continuous connectivity. Choose a
// borrow configuration for workloads with offline usage.
//
// This member is required.
ConsumptionConfiguration *types.ConsumptionConfiguration

// License entitlements.
//
// This member is required.
Entitlements []types.Entitlement

// Home Region for the license.
//
// This member is required.
HomeRegion *string

// License issuer.
//
// This member is required.
Issuer *types.Issuer

// License name.
//
// This member is required.
LicenseName *string

// Product name.
//
// This member is required.
ProductName *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// Date and time range during which the license is valid, in ISO8601-UTC format.
//
// This member is required.
Validity *types.DatetimeRange

// Information about
```

```
 the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if
 err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
```

```
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return
 err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
```

```
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName:
 "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }
```

```
 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
```

```
if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil
{
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
```

```
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
CheckoutLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
```

ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
DisassociateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry

RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckoutBorrowLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming

```
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
   - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter
```

```
 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
```

```
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err
= smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
```

```
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
AssociateLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
```

```
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
```

```
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err
 != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
```

```
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpGetLicenseValidationMiddleware(stack);
 err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
```

```
 return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
```

```
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
}
err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
```

```
ListLicenses
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
AWS SDK for Go
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// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
```

```
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata
```

```
 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err !=
 nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
```

```
 return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil
 {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
```

```
 }
}
DeleteLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
GetLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
```

```
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
```

```
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {
```

```
 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }
```

```
if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return
err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
```

```
 return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
 return err
 }
 if err = addRecursionDetection(stack); err != nil {
 return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
 return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
 return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
```

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SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string
```

```
 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if
 err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
```

```
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil
{
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
```

```
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
 }
}
```

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```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
```

```
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
```

```
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack,
 options, "ListLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
```

```
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack);
 err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
```

ServiceID:
ServiceID,
OperationName: "ListLicenses",
}
}
CheckInLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
{
"smithy": "2.0",
"shapes": {
"com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
"type": "structure",
"members": {
"message": {

```
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
        "type": "structure",
        "members": {
            "DirectoryId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation":
"<p>Details about an Active Directory identity provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Associates the user to an EC2 instance to utilize user-based subscriptions. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your\n monthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/AssociateUser"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The identity provider of the user. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",

```
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
        "type": "structure",
        "members": {
            "InstanceUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
                 "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
        "type": "integer"
    },
    "com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The request couldn't be completed because it conflicted with the current
state of the\n      resource.</p>",
            "smithy.api#error": "server"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider":
 {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deregisters the identity provider from providing user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/DeregisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
}
}
},

"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation":
" Metadata that describes the results of an identity provider operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Disassociates the user from an EC2 instance providing user-based subscriptions. ",
"smithy.api#http": {

```
                "code": 200,
                "method": "POST",
                "uri": "/user/DisassociateUser"
            },
            "smithy.api#idempotent": {}
        }

    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation":
 "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
        "type": "structure",
        "members": {
            "InstanceUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
                "traits": {
```

"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
}
},

"com.amazonaws.licensemanagerusersubscriptions#Filter": {
"type": "structure",
"members": {
"Attribute": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of an attribute to use as a filter. "
}
},
"Operation": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of search (For example, eq, geq, leq) "
}
},
"Value": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Value of the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used
to return more specific results from a describe\n operation. Filters can be used to match a set of resources by
specific criteria, such as tags,\n attributes, or IDs. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
"type": "union",
"members": {
"ActiveDirectoryIdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
"traits": {
"smithy.api#documentation": " An object that details an Active Directory identity provider. "

```
                }
            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>Details about an identity provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Settings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
                "traits": {
                    "smithy.api#documentation": "<p>An object that details the registered identity providers product
related configuration\n      settings such as the subnets to provision VPC endpoints.</p>",
                    "smithy.api#required":
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                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of an identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "FailureMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The failure message associated with an identity provider.</p>"
                }
            }
        },
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"traits": {
"smithy.api#documentation":
" Describes an identity provider. "
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"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
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"com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
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"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based
subscriptions. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status
of an EC2 instance resource. ",
"smithy.api#required": {}
}
},
"Products": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
"traits": {
"smithy.api#documentation": " A list of provided user-based subscription products. ",
"smithy.api#required": {}
}
},
"LastStatusCheckDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date of the last status check. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for an EC2 instance. "
}

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    }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
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    "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
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        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits":
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                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
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                    "smithy.api#required": {}
                }
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            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of a user associated with an EC2 instance.</p>",
                    "smithy.api#required": {}
                }
            },
            "StatusMessage": {
                "target": "smithy.api#String",
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"traits": {
"smithy.api#documentation": " The status message for users of an EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},
"AssociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was associated with an EC2 instance. "
}
},
"DisassociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was disassociated from an EC2 instance. "
}
}

},
"traits": {
"smithy.api#documentation": " Describes users of an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
}
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"com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {

"type": "service",

"version": "2018-05-10",
"operations": [
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"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
},
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"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
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"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
},
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"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"

},
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"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
},
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"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
}
],
"traits": {
"aws.api#service": {
"sdkId": "License Manager User Subscriptions",
"arnNamespace": "license-manager-user-subscriptions",
"cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
},
"aws.auth#sigv4": {
"name": "license-manager-user-subscriptions"

},
"aws.protocols#restJson1": {},
"smithy.api#cors": {
"additionalAllowedHeaders": [
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"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id",
"content-length",
"x-api-key",
"authorization",
"x-amz-date",
"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"

]
},
"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n a per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
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"UseFIPS": {
"builtIn": "AWS::UseFIPS",

"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
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"argv": [
{
"ref": "Endpoint"
}
]
}
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"conditions": [
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"fn": "booleanEquals",
"argv": [
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"ref": "UseFIPS"
},

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"type": "error"
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"fn": "booleanEquals",

"argv": [
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"type": "error"
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"endpoint": {
"url": {
"ref": "Endpoint"
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"properties": {},
"headers": {}
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"type": "endpoint"
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"ref": "Region"
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"argv": [
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"ref": "Region"
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                        "argv": [
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                        "argv": [
                            {
                                "ref": "UseDualStack"

                            },
                            true
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                                "argv": [
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                                        "fn": "getAttr",

"argv": [
                                            {
                                                "ref": "PartitionResult"
                                            },
                                            "supportsFIPS"
                                        ]
                                    }
                                ]
                            },
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            "fn": "getAttr",
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                                              "ref": "PartitionResult"
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                                            "supportsDualStack"
                                          ]
                                        }
                                      ]
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                                  "rules": [
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fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                        "properties": {},
                                        "headers": {}
                                      },
                                      "type": "endpoint"
                                    }
                                  ]
                                },
                                {
                                  "conditions": [],
                                  "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
                                   "type": "error"
                                }
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                            {
                              "conditions": [
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                                  "fn": "booleanEquals",
                                  "argv": [
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                                      "ref": "UseFIPS"
                                    },
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                        "argv": [
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                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsFIPS"

                    ]
                            }
                        ]
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                        "conditions": [],
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fips.{Region}.{PartitionResult#dnsSuffix}",
                            "properties": {},
                            "headers": {}

        },
                        "type": "endpoint"
                    }
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            {
                "conditions": [],
                "error": "FIPS is enabled but this partition does not support FIPS",
                "type": "error"
            }
        ]
    },
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      "argv": [
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      ]
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  "type": "tree",
  "rules": [
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      "conditions": [
        {
          "fn": "booleanEquals",
          "argv": [
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            {

              "fn": "getAttr",
                "argv": [
                  {
                    "ref": "PartitionResult"
                  },
                  "supportsDualStack"
                ]
            }
          ]
        }
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      "rules": [
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subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
            "properties": {},
            "headers": {}
          },
          "type": "endpoint"
        }
      ]
    },
```

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                        "error": "DualStack is enabled but this partition does
not support DualStack",
                        "type": "error"
                    }
                ]
            },
            {
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                "endpoint": {
                    "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
                    "properties": {},
                    "headers": {}
                },
                "type": "endpoint"
            }
        ]
    }
  ]
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  "conditions":
[],
  "error": "Invalid Configuration: Missing Region",
  "type": "error"
}
]
},
"smithy.rules#endpointTests": {
  "testCases": [
    {
      "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
        }
      },
      "params": {
        "Region": "us-east-1",
        "UseFIPS": true,
        "UseDualStack": true
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    },
    {
      "documentation":
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"For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
}
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"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
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"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
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}
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
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{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with
FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
}
},

"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
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}
},

"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
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"expect": {
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}
},
"params": {
"Region": "cn-north-1",
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"UseDualStack": true
}
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with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{

"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
}
},

"params": {
"Region": "us-gov-east-1",
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"UseDualStack": true
}
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"expect": {
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}
},
"params": {
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"UseDualStack": false
}
},
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"documentation": "For region us-gov-east-1
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"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
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"UseFIPS": false,
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"expect": {
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}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect":
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"endpoint": {
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}
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
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}
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"

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                }
            },
            "params": {
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                "UseFIPS": false,
                "UseDualStack": false
            }
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            "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
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this partition does not support one or both"
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                "UseFIPS": true,
                "UseDualStack": true
            }
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            "expect": {
                "endpoint": {
                    "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
                }
            },
            "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": true,
                "UseDualStack": false
            }

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        {
            "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
                "error": "DualStack is enabled but this partition does not support DualStack"
            },
            "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": false,
                "UseDualStack": true
            }
        },
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            "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
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"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
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"url": "https://example.com"
}
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
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"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"

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            }
        },
        {
            "documentation": "For custom endpoint with fips disabled and dualstack enabled",
            "expect": {
                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": true,
                "Endpoint": "https://example.com"
            }
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            "documentation": "Missing region",
            "expect": {
                "error": "Invalid Configuration: Missing Region"
            }
        }
    ],
    "version": "1.0"
  }
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
  "type": "operation",
  "input": {
    "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
  },
  "output": {
    "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
  },
  "errors": [
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
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            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the identity providers for user-based subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/ListIdentityProviders"
            },
            "smithy.api#paginated":
{
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "IdentityProviderSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
        "type": "structure",
        "members": {
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse":
{
        "type": "structure",
        "members": {
            "IdentityProviderSummaries": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
                "traits": {
```

```
            "smithy.api#documentation": "<p>Metadata that describes the list identity providers operation.</p>",
            "smithy.api#required": {}
          }
        },
        "NextToken": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
      ],
      "traits": {
        "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
        "smithy.api#http": {
          "code": 200,
          "method": "POST",
```

"uri": "/instance/ListInstances"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
"type": "structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list instances operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "

```
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
             }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity
provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/ListProductSubscriptions"
            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "ProductUserSummaries"
```

```
            }
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
          "type": "structure",
          "members": {
            "Product": {
              "target": "smithy.api#String",
              "traits": {
                "smithy.api#documentation": "<p>The name
 of the user-based subscription product.</p>",
                "smithy.api#required": {}
              }
            },
            "IdentityProvider": {
              "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
              "traits": {
                "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                "smithy.api#required": {}
              }
            },
            "MaxResults": {
              "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
              "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
              }
            },
            "Filters": {
              "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
              "traits": {

  "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those that match
 one or\n      more sets of key-value pairs that you specify.</p>"
              }
            },
            "NextToken": {
              "target": "smithy.api#String",
              "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
              }
            }
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
          "type": "structure",
          "members": {
            "ProductUserSummaries": {
              "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
```

"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions operation. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists user associations for an identity provider. ",

"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListUserAssociations"
},
"smithy.api#paginated":
{
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based
subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity
provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those
that match one or\n more sets of key-value pairs that you specify. "
}
},
"NextToken": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " Token for
the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
"type": "structure",
"members": {
"InstanceUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list user association operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
"type": "structure",
"members": {

"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}

```
    },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of a product for a user.</p>",
                    "smithy.api#required": {}
                }
            },
            "StatusMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for a product for a user.</p>"
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            },
            "SubscriptionStartDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The
start date of a subscription.</p>"
                }
            },
            "SubscriptionEndDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The end date of a subscription.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The summary of the user-based subscription products for a user.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
        "type": "operation",
        "input": {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Registers an identity provider for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/RegisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}

```
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "Settings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
                "traits": {
                    "smithy.api#documentation": "<p>The registered identity providers product related configuration
settings such as the\n      subnets to provision VPC endpoints.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
        "type": "structure",
        "members": {
            "IdentityProviderSummary":
 {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The resource couldn't be found.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 404
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
        "type": "string",
```

"traits": {
"smithy.api#length": {
"min": 5,
"max": 200
},
"smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request failed because a service quota is exceeded. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Settings": {
"type": "structure",
"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation":
" The subnets defined for the registered identity provider. ",
"smithy.api#length": {
"min": 1
},
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688
communication between resources in\n your VPC and the VPC endpoint for activation servers. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings
such as the\n subnets to provision VPC endpoints, and the security group ID that
is associated with the VPC\n endpoints. The security group should permit inbound TCP port 1688
communication from resources\n in the VPC. "

```
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Starts a product subscription for a user with the specified identity
provider.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related costs
will take 48\n        hours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing status)
in Amazon Web Services Billing.
 For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n          monthly
charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/StartProductSubscription"
            }
        }
    },
```

"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"

},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Stops a product subscription for a user with the specified identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StopProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}

```
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required":
{}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the user.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
        "type": "structure",
        "members": {
            "ProductUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
                "traits": {
                    "smithy.api#documentation":
"<p>Metadata that describes the start product subscription operation.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StringList": {
        "type": "list",
        "member": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Subnet": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "subnet-[a-z0-9]{8,17}"
        }
```

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#Subnets": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
            "message": {

             "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the
request.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates additional product configuration settings for the registered
identity\n      provider.</p>",
            "smithy.api#http": {
                "code": 200,
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            "method": "POST",
            "uri": "/identity-provider/UpdateIdentityProviderSettings"
          },
          "smithy.api#idempotent": {}
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
        "type": "structure",
        "members": {
          "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
             "traits": {
              "smithy.api#required": {}
            }
          },
          "Product": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
              "smithy.api#required": {}
            }
          },
          "UpdateSettings": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
            "traits": {
              "smithy.api#documentation": "<p>Updates the registered identity providers product related
configuration settings. You can\n      update any combination of settings in a single operation such as the:</p>\n
<ul>\n          <li>\n              <p>Subnets which you want to add to provision VPC endpoints.</p>\n          </li>\n
          <li>\n              <p>Subnets which you want to remove the VPC endpoints from.</p>\n          </li>\n
<li>\n              <p>Security group ID which permits traffic to the VPC endpoints.</p>\n          </li>\n        </ul>",
              "smithy.api#required": {}
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      "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
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            "traits": {
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        "type": "structure",
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"smithy.api#documentation": " The ID of one or more subnets in which License Manager will create a VPC endpoint for products that\n require connectivity to activation servers. ",
"smithy.api#required": {}
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"RemoveSubnets": {
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"smithy.api#documentation": " The ID of one or more subnets to remove. ",
"smithy.api#required": {}
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"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
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"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688 communication between resources in\n your VPC and the VPC endpoints for activation servers. "
}
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"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related configuration settings such as\n the subnets to provision VPC endpoints. "
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"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
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"message": {
"target": "smithy.api#String"
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"traits": {
"smithy.api#documentation": " A parameter is not valid. ",
"smithy.api#error": "client"
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            "namespace": "*"
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"shapes": {
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                "target": "com.amazonaws.licensemanager#CreateGrant"
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"cloudTrailEventSource": "licensemanager.amazonaws.com",

"endpointPrefix": "license-manager"
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"aws.auth#sigv4": {
"name": "license-manager"
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"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
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"smithy.rules#endpointRuleSet": {
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"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
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"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
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"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"required": false,
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"type": "String"
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                    "argv": [
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                            "ref": "PartitionResult"
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"supportsDualStack"
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"type": "error"
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              "expect": {
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{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-northwest-1",
"UseFIPS": false,
"UseDualStack": false

}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
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"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
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{

"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
}
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"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},

{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
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},
"params": {
"Region": "us-gov-east-1",

"UseFIPS": true,
"UseDualStack": false
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},
{
"documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-west-1.amazonaws.com"
}
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"params": {
"Region": "us-gov-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation":
"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-west-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.api.aws"
}
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"params": {
"Region": "us-gov-east-1",
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"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {

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                "url": "https://license-manager.us-gov-east-1.api.aws"
            }
        },
        "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": false,
            "UseDualStack": true
        }
    },
    {
        "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
            }
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
            "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": true,
             "UseDualStack": true
        }
    },
    {
        "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
            }
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
    },
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            {
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              "expect": {
                "error": "DualStack is enabled
but this partition does not support DualStack"
              },
              "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": false,
                "UseDualStack": true
              }
            },
            {
              "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
                }
              },
              "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },

           {
              "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
              },
              "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": true,
                "UseDualStack": true
              }
            },
            {
              "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
                }
              },

        "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": true,
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"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,

"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"

```
                    },
                    "params": {
                        "Region": "us-east-1",
                        "UseFIPS": true,
                        "UseDualStack": false,
                        "Endpoint": "https://example.com"
                    }
                },
                {
                    "documentation": "For custom endpoint with fips disabled and dualstack enabled",
                    "expect": {
                        "error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
                    },
                    "params": {
                        "Region": "us-east-1",
                        "UseFIPS": false,
                        "UseDualStack": true,
                        "Endpoint": "https://example.com"
                    }
                },
                {
                    "documentation": "Missing region",
                    "expect": {
                        "error": "Invalid Configuration: Missing Region"
                    }
                }
            ],
            "version": "1.0"
        }
    }
},
"com.amazonaws.licensemanager#AcceptGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
    "output": {
        "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
```

```
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"

    }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant
ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
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"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#AccessDeniedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
"httpResponseCode": 401
},
"smithy.api#documentation": " Access to resource denied. ",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
"type": "enum",
"members": {
"DISTRIBUTED_GRANTS_ONLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
}
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
}
}

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        }
    },
    "com.amazonaws.licensemanager#AllowedOperation": {

    "type": "enum",
        "members": {
            "CREATE_GRANT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CreateGrant"
                }
            },
            "CHECKOUT_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckoutLicense"
                }
            },
            "CHECKOUT_BORROW_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckoutBorrowLicense"
                }
            },
            "CHECK_IN_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckInLicense"
                }
            },
            "EXTEND_CONSUMPTION_LICENSE":
{
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ExtendConsumptionLicense"
                }
            },
            "LIST_PURCHASED_LICENSES": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ListPurchasedLicenses"
                }
            },
            "CREATE_TOKEN": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CreateToken"
                }
```

```
            }
        }
    },
    "com.amazonaws.licensemanager#AllowedOperationList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#AllowedOperation"
        },
        "traits": {
            "smithy.api#length": {
                "min": 1,
                "max":
7
            }
        }
    },
    "com.amazonaws.licensemanager#Arn": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 2048
            },
            "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-
z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
        }
    },
    "com.amazonaws.licensemanager#ArnList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Arn"
        }
    },
    "com.amazonaws.licensemanager#AuthorizationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError":
{
                "code": "AuthorizationFailure",
                "httpResponseCode": 403
            },
            "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to
perform the action. Check the IAM\n        policy associated with this account.</p>",
```

```
            "smithy.api#error": "client",
            "smithy.api#httpError": 403
        }
    },
    "com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
        "type": "structure",
        "members": {
            "LastRunTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes automated discovery.</p>"
        }
    },

  "com.amazonaws.licensemanager#Boolean": {
        "type": "boolean",
        "traits": {
            "smithy.api#default": false
        }
    },
    "com.amazonaws.licensemanager#BorrowConfiguration": {
        "type": "structure",
        "members": {
            "AllowEarlyCheckIn": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxTimeToLiveInMinutes": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
                    "smithy.api#required": {}
                }
            }

},
        "traits": {
            "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
        }
    },
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"com.amazonaws.licensemanager#BoxBoolean": {
"type": "boolean"
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"com.amazonaws.licensemanager#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanager#BoxLong": {
"type": "long"
},
"com.amazonaws.licensemanager#CheckInLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks in the specified license. Check in a license when it is no longer in use. "
}

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    },
    "com.amazonaws.licensemanager#CheckInLicenseRequest":
{
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
        "type": "structure",
        "members":
{
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must
use the borrow consumption configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
                    "smithy.api#required": {}
```

```
                }
            },
            "DigitalSignatureMethod": {
                "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
                "traits": {
                    "smithy.api#documentation": "<p>Digital signature method. The possible
 value is JSON Web Signature (JWS) algorithm PS384.\n        For more information, see <a
href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS</a>.</p>",
                    "smithy.api#required": {}
                }
            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

"smithy.api#documentation": " License consumption token. "
}
},
"EntitlementsAllowed":
{
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " Allowed license entitlements. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout
is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout expires. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicense": {
"type": "operation",

"input": {
"target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target":
"com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license. \n <note>\n If the account that created the license is the same that is performing the check out, you must\n specify the account as the beneficiary. \n </note>"
}
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
"type": "structure",
"members": {

"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product
SKU. ",
"smithy.api#required": {}
}
},
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. ",
"smithy.api#required": {}
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Key fingerprint identifying the license. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "

```
            }
        }
    },
    "traits": {

   "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
    "type": "structure",
    "members": {
        "CheckoutType": {
            "target": "com.amazonaws.licensemanager#CheckoutType",
            "traits": {
                "smithy.api#documentation": "<p>Checkout type.</p>"
            }
        },
        "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License consumption token.</p>"
            }
        },
        "EntitlementsAllowed": {
            "target": "com.amazonaws.licensemanager#EntitlementDataList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
            }
        },
         "SignedToken": {
            "target": "com.amazonaws.licensemanager#SignedToken",
            "traits": {
                "smithy.api#documentation": "<p>Signed token.</p>"
            }
        },
        "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
            }
        },
        "IssuedAt": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
            }
        },
        "Expiration": {
```

"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and
time at which the license checkout expires. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the checkout license. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutType": {
"type": "enum",
"members": {
"PROVISIONAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PROVISIONAL"
}
},
"PERPETUAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PERPETUAL"
}
}
}
},
"com.amazonaws.licensemanager#ClientRequestToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 36
}
}
},
"com.amazonaws.licensemanager#ClientToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,

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            "max": 2048
          },
          "smithy.api#pattern": "^\\S+$"
        }
      },
      "com.amazonaws.licensemanager#ConflictException": {
        "type": "structure",
        "members": {
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "aws.protocols#awsQueryError": {
            "code": "ConflictException",
            "httpResponseCode":
 409
          },
          "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 409
        }
      },
      "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
        "type": "structure",
        "members": {
          "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
              "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
            }
          },
          "ConsumedLicenses": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
              "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
            }
          }
        },

  "traits": {
          "smithy.api#documentation": "<p>Details about license consumption.</p>"
        }
      },
      "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
        "type": "list",
        "member": {
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"target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
}
},
"com.amazonaws.licensemanager#ConsumptionConfiguration": {
"type": "structure",
"members": {
"RenewType": {
"target": "com.amazonaws.licensemanager#RenewType",
"traits": {
"smithy.api#documentation": " Renewal frequency. "
}
},
"ProvisionalConfiguration": {
"target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
"traits": {
"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"BorrowConfiguration": {
"target": "com.amazonaws.licensemanager#BorrowConfiguration",
"traits": {
"smithy.api#documentation": " Details about a borrow configuration. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about a consumption configuration. "
}
},
"com.amazonaws.licensemanager#CreateGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},

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            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of
license\n        entitlements with a specific Amazon Web Services account, an organization, or an\n
organizational unit (OU). For more
 information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>",
                    "smithy.api#required": {}

    }
            },
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Principals": {
```

"target": "com.amazonaws.licensemanager#PrincipalArnList",
"traits": {
"smithy.api#documentation": " The grant principals. You can specify one of the following as an Amazon Resource Name\n (ARN): \n \n \n An Amazon Web Services account, which includes only the account specified. \n \n \n \n \n An organizational unit (OU), which includes all accounts in the OU. \n \n \n \n \n An organization, which will include all accounts across your organization. \n \n ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations for the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateGrantVersion":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a new version of the specified grant. For more information, see\n Granted licenses in License Manager in the License Manager User Guide. "
}
},

"com.amazonaws.licensemanager#CreateGrantVersionRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",

"smithy.api#required": {}
}
},
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. "
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations for the grant. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the grant. "
}

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            },
            "Options": {
                "target": "com.amazonaws.licensemanager#Options",
                "traits": {
                    "smithy.api#documentation": "<p>The options specified for the grant.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>New version of the grant.</p>"
                }
            }
        },
        "traits":
{
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
        },
        "errors": [
```

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            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
```

"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Creates a license configuration. \n A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a \n license must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension used to track the license inventory. ",
"smithy.api#required": {}
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether hard or soft license enforcement is used.

Exceeding a hard limit\n blocks the launch of new instances. "
}
},
"LicenseRules": {
"target":
"com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. The syntax is #name=value (for example,
#allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows. \n
\n \n \n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n
<code>licenseAffinityToHost</code> |\n <code>maximumCores</code> |
<code>minimumCores</code>\n \n \n \n \n
<code>Instances</code> dimension: <code>allowedTenancy</code> | \n <code>maximumCores</code> |
<code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n
<code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n
\n
\n <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n
<code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> |
<code>minimumSockets</code>\n \n \n \n \n
<code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n
<code>honorVcpuOptimization</code> | \n <code>maximumVcpus</code> |
<code>minimumVcpus</code>\n \n \n \n The unit for
<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for
<code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n
<code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n
<code>True</code> and <code>False</code>. "
}
},

"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the license configuration. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is
uninstalled. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
}

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        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
{
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
             },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
```

"traits": {
"smithy.api#documentation": " Creates a new license conversion task. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {

"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource you are converting the license type for. ",
"smithy.api#required": {}
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
},
"DestinationLicenseContext":
{
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting to. For the structure of the destination license, see Convert a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

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    "traits": {
            "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
    "type": "operation",
    "input": {
      "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
    },
    "output": {
      "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
    },
    "errors": [
      {
        "target": "com.amazonaws.licensemanager#AccessDeniedException"
      },
      {
        "target": "com.amazonaws.licensemanager#AuthorizationException"
      },
      {
        "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
       },
      {
        "target": "com.amazonaws.licensemanager#RateLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
      },
      {
        "target": "com.amazonaws.licensemanager#ServerInternalException"
      },
      {
        "target": "com.amazonaws.licensemanager#ValidationException"
      }
    ],
    "traits": {
      "smithy.api#documentation": "<p>Creates a report generator.</p>"
    }
  },
  "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
```

"type": "structure",
"members": {
"ReportGeneratorName":
{
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports to generate. The following report types an be generated: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}

}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique,
case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the new report
generator. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseRequest": {
"type": "structure",
"members": {
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product
name. ",
"smithy.api#required": {}
}

```
            },
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product SKU.</p>",
                    "smithy.api#required": {}
                }
            },
            "Issuer": {
                "target": "com.amazonaws.licensemanager#Issuer",
                "traits": {
                    "smithy.api#documentation": "<p>License issuer.</p>",
                    "smithy.api#required": {}
                }
            },
            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region for the license.</p>",
                    "smithy.api#required": {}

    }
            },
            "Validity": {
                "target": "com.amazonaws.licensemanager#DatetimeRange",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>",
                    "smithy.api#required": {}
                }
             },
            "ConsumptionConfiguration": {
                "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
                "traits": {
```

"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation":
" Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {

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            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersion": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
             },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target":
"com.amazonaws.licensemanager#Arn",
                "traits": {
```

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits":
{
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the license. ",
"smithy.api#required": {}
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},

"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the license. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",

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            "traits": {
                "smithy.api#documentation": "<p>License ARN.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>New version of the license.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output":
{}
    }
},
"com.amazonaws.licensemanager#CreateToken": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateTokenRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateTokenResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
```

{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a long-lived token. \n A refresh token is a JWT token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license. "
}
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits":
{
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token. ",
"smithy.api#required": {}
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n License Manager does not check whether the roles are in use. "
}
},
"ExpirationInDays": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Token expiration, in days, counted from token creation. The default is 365 days. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token. "
}

```
        },
        "ClientToken": {
            "target": "com.amazonaws.licensemanager#ClientToken",
            "traits": {
                "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateTokenResponse": {
    "type": "structure",
    "members": {
        "TokenId": {
            "target": "com.amazonaws.licensemanager#String",

         "traits": {
                "smithy.api#documentation": "<p>Token ID.</p>"
            }
        },
        "TokenType": {
            "target": "com.amazonaws.licensemanager#TokenType",
            "traits": {
                "smithy.api#documentation": "<p>Token type.</p>"
            }
        },
        "Token": {
            "target": "com.amazonaws.licensemanager#TokenString",
            "traits": {
                "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
        "Begin": {
```

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            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Start of the time range.</p>",
                "smithy.api#required": {}
            }
        },
        "End": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>End of the time range.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
},
"com.amazonaws.licensemanager#DeleteGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
```

"traits": {
"smithy.api#documentation": " Deletes
the specified grant. "
}
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " The Status reason for the delete request. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the
grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}

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            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
```

"traits": {
"smithy.api#documentation": " Deletes the specified license. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license configuration. \n You cannot delete a license configuration that is in use. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
"type": "structure",
"members":
{
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the license configuration. ",
"smithy.api#required": {}
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified report generator. \n This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator. "

```
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to be
deleted.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {

 "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the license.</p>",
                    "smithy.api#required":
 {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
```

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},
"com.amazonaws.licensemanager#DeleteLicenseResponse": {
    "type": "structure",
    "members": {
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        },
        "DeletionDate": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DeleteToken": {
    "type": "operation",
     "input": {
        "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
```

{
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": " Deletes the specified token. Must be called in the license home Region. "
    }
},
"com.amazonaws.licensemanager#DeleteTokenRequest": {
    "type": "structure",
    "members": {
        "TokenId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": " Token ID. ",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#DeleteTokenResponse": {
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#output": {}

  }
},
"com.amazonaws.licensemanager#DigitalSignatureMethod": {
    "type": "enum",
    "members": {
        "JWT_PS384": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "JWT_PS384"
            }
        }
    }
},
"com.amazonaws.licensemanager#Entitlement": {
    "type": "structure",
    "members": {
        "Name": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement resource. Use only
if the unit is None. "
}
},
"MaxCount": {
"target": "com.amazonaws.licensemanager#Long",
"traits": {
"smithy.api#documentation": " Maximum entitlement count. Use if the unit is not None. "
}
},
"Overage": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether overages are allowed. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementUnit",
"traits": {
"smithy.api#documentation": " Entitlement unit. ",
"smithy.api#required": {}
}
},
"AllowCheckIn": {
"target":
"com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether check-ins are allowed. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a resource entitled for use with a license. "
}
},
"com.amazonaws.licensemanager#EntitlementData": {
"type": "structure",
"members": {
"Name": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement data name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement
data value. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementDataUnit",
"traits": {
"smithy.api#documentation": " Entitlement data unit. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Data associated with an entitlement resource. "
}
},
"com.amazonaws.licensemanager#EntitlementDataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#EntitlementData"
}
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS":

{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"

}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}

```
        },
        "MEGABYTES_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Megabytes/Second"
          }
        },
        "GIGABYTES_PER_SECOND": {
          "target": "smithy.api#Unit",
           "traits": {
            "smithy.api#enumValue": "Gigabytes/Second"
          }
        },
        "TERABYTES_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Terabytes/Second"
          }
        },
        "BITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Bits/Second"
          }
        },
        "KILOBITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Kilobits/Second"
          }
        },
        "MEGABITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue":
"Megabits/Second"
          }
        },
        "GIGABITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Gigabits/Second"
          }
        },
        "TERABITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Terabits/Second"
```

```
            }
          },
          "COUNT_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Count/Second"
            }
          }
        }
      },
      "com.amazonaws.licensemanager#EntitlementList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#Entitlement"
        }
      },
      "com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
        "type": "structure",
        "members": {
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 400
        }
      },
      "com.amazonaws.licensemanager#EntitlementUnit": {
        "type": "enum",
        "members": {
          "COUNT": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Count"
            }
          },
          "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "None"
            }
          },
          "SECONDS":
{
            "target": "smithy.api#Unit",
```

```
    "traits": {
        "smithy.api#enumValue": "Seconds"
    }
},
"MICROSECONDS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Microseconds"
    }
},
"MILLISECONDS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Milliseconds"
    }
},
"BYTES": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Bytes"
    }
},
"KILOBYTES": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Kilobytes"
     }
},
"MEGABYTES": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Megabytes"
    }
},
"GIGABYTES": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Gigabytes"
    }
},
"TERABYTES": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Terabytes"
    }
},
"BITS": {
    "target": "smithy.api#Unit",
```

"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"
}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target":
"smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},

"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},

"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"

```
            }
        },
        "COUNT_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count/Second"
            }
        }
    }
},
"com.amazonaws.licensemanager#EntitlementUsage": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage name.</p>",
                "smithy.api#required": {}
            }
        },
        "ConsumedValue": {
            "target": "com.amazonaws.licensemanager#String",

       "traits": {
                "smithy.api#documentation": "<p>Resource usage consumed.</p>",
                "smithy.api#required": {}
            }
        },
        "MaxCount": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
            }
        },
        "Unit": {
            "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
    }
},
"com.amazonaws.licensemanager#EntitlementUsageList":
```

```
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementUsage"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumption": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
```

"smithy.api#required": {}

}
},
"DryRun": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,
"smithy.api#documentation": " Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},

"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license consumption expires. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#FailedDependencyException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
},
"ErrorCode": {
"target": "com.amazonaws.licensemanager#String"
}
},

"traits": {
"aws.protocols#awsQueryError": {
"code": "FailedDependency",
"httpResponseCode": 424
},
"smithy.api#documentation":
" A dependency required to run the API is missing. ",
"smithy.api#error": "client",
"smithy.api#httpError": 424
}
},
"com.amazonaws.licensemanager#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#FilterName",
"traits": {
"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only
specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter
name and value pair that is used to return more specific results from a\n describe operation. Filters can be used
to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FilterLimitExceeded",
"httpResponseCode": 400
},
"smithy.api#documentation": " The request uses too many filters or too many filter values. ",
"smithy.api#error": "client",

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        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#FilterList": {
    "type": "list",
     "member": {
        "target": "com.amazonaws.licensemanager#Filter"
    }
},
"com.amazonaws.licensemanager#FilterName": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#FilterValue",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#Filters": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Filter",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#GetAccessToken": {
    "type": "operation",
    "input": {
         "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
```

```
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
 tokens\n          are valid for one hour.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetAccessTokenRequest": {
        "type": "structure",
        "members": {
            "Token": {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "TokenProperties": {
                "target": "com.amazonaws.licensemanager#MaxSize3StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetAccessTokenResponse":
 {
        "type": "structure",
        "members": {
            "AccessToken": {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Temporary access token.</p>"
                }
            }
```

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    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"

   },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
```

```
            "smithy.api#required": {}
          }
        },
        "Version": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Grant version.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#GetGrantResponse": {
      "type": "structure",
      "members": {
        "Grant": {
          "target": "com.amazonaws.licensemanager#Grant",
          "traits": {
            "smithy.api#documentation": "<p>Grant details.</p>"
          }
        }
      },
      "traits": {

    "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#GetLicense": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
```

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"

},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license configuration. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
}
},
"traits":
{
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Unique ID for the license configuration. "
}
},
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension for which the licenses are counted. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",

"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",

"traits": {
"smithy.api#documentation": " Number of available licenses. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Sets the number of available licenses as a hard limit. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses assigned to resources. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License configuration status. "
}

},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner of the license configuration. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},

"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When
true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},

{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified license type conversion task. "
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information

about the license type converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted to. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " Status of the license type conversion task. "
}
},

"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was started . "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Amount of time to complete the license type conversion. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was completed. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":

```
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

         },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
                    "smithy.api#required":
```

{}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"ReportGenerator": {
"target": "com.amazonaws.licensemanager#ReportGenerator",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license configurations. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseResponse": {
"type": "structure",
"members": {

```
            "License": {
                "target": "com.amazonaws.licensemanager#License",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },

"com.amazonaws.licensemanager#GetLicenseUsage": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {

"target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseUsageRequest": {
        "type": "structure",
        "members": {
```

```
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
        "type": "structure",
        "members": {
            "LicenseUsage": {
                "target":
"com.amazonaws.licensemanager#LicenseUsage",
                "traits": {
                    "smithy.api#documentation": "<p>License usage details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsRequest": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "S3BucketArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Regional S3 bucket path for storing reports, license trail event data,
discovery data,\n        and so on.</p>"

  }
            },
            "SnsTopicArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>SNS topic configured to receive notifications from License
Manager.</p>"
                }
            },
            "OrganizationConfiguration": {
                "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether Organizations is integrated with License
Manager for\n        cross-account discovery.</p>"
                }
            },
            "EnableCrossAccountsDiscovery": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether cross-account discovery is enabled.</p>"
                }

        },
            "LicenseManagerResourceShareArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource share. The License
```

Manager management account \n provides member accounts with access to this share. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Grant": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}
}
},
"ParentArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",
"smithy.api#required": {}
}
},
"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},

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            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantStatus": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>",
                    "smithy.api#required": {}
                }
            },
            "StatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status reason.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Granted operations.</p>",
                    "smithy.api#required": {}
                }
            },
            "Options": {
                "target": "com.amazonaws.licensemanager#Options",
                "traits": {
                    "smithy.api#documentation": "<p>The options specified for the grant.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation":
"<p>Describes a grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#GrantList": {
        "type": "list",
```

```
    "member": {
        "target": "com.amazonaws.licensemanager#Grant"
    }
},
"com.amazonaws.licensemanager#GrantStatus": {
    "type": "enum",
    "members": {
        "PENDING_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_WORKFLOW"
            }
        },
        "PENDING_ACCEPT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_ACCEPT"
            }
        },
        "REJECTED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "REJECTED"

        }
        },
        "ACTIVE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ACTIVE"
            }
        },
        "FAILED_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED_WORKFLOW"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        },
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
```

```
            }
          },
          "DISABLED": {
            "target": "smithy.api#Unit",
            "traits":
{
              "smithy.api#enumValue": "DISABLED"
            }
          },
          "WORKFLOW_COMPLETED": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "WORKFLOW_COMPLETED"
            }
          }
        }
      },
      "com.amazonaws.licensemanager#GrantedLicense": {
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
          },
          "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>License name.</p>"
            }

    },
          "ProductName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Product name.</p>"
            }
          },
          "ProductSKU": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Product SKU.</p>"
            }
          },
          "Issuer": {
            "target": "com.amazonaws.licensemanager#IssuerDetails",
            "traits": {
```

"smithy.api#documentation": " Granted license issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the granted license. "

}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " Granted license status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the granted license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Granted license beneficiary. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Granted license metadata. "
}
},
"CreateTime": {

"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Creation time of the granted license. "

}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Version of the granted license. "
}
},
"ReceivedMetadata": {
"target": "com.amazonaws.licensemanager#ReceivedMetadata",
"traits": {
"smithy.api#documentation": " Granted license received metadata. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a license that is granted to a grantee. "
}
},
"com.amazonaws.licensemanager#GrantedLicenseList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#GrantedLicense"
}
},
"com.amazonaws.licensemanager#ISO8601DateTime":
{
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$"
}
},
"com.amazonaws.licensemanager#Integer": {
"type": "integer"
},
"com.amazonaws.licensemanager#InvalidParameterValueException": {
"type": "structure",
"members": {
"Message": {

"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidParameterValueProvided",
"httpResponseCode": 400
},
"smithy.api#documentation":
" One or more parameter values are not valid. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#InvalidResourceStateException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidResourceState",
"httpResponseCode": 400
},
"smithy.api#documentation": " License Manager cannot allocate a license to a resource because of its state. \n For example, you cannot allocate a license to an instance in the process of shutting\n down. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},

"com.amazonaws.licensemanager#InventoryFilter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the filter. ",
"smithy.api#required": {}
}
},
"Condition": {
"target": "com.amazonaws.licensemanager#InventoryFilterCondition",
"traits": {
"smithy.api#documentation": " Condition of the filter. ",

```
                "smithy.api#required": {}
            }
        },
        "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Value of the filter.</p>"
            }
        }

},
    "traits": {
        "smithy.api#documentation": "<p>An inventory filter.</p>"
    }
  },
  "com.amazonaws.licensemanager#InventoryFilterCondition": {
    "type": "enum",
    "members": {
        "EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EQUALS"
            }
        },
        "NOT_EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "NOT_EQUALS"
            }
        },
        "BEGINS_WITH": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "BEGINS_WITH"
            }
        },
        "CONTAINS": {
            "target": "smithy.api#Unit",
            "traits": {
                 "smithy.api#enumValue": "CONTAINS"
            }
        }
    }
  },
  "com.amazonaws.licensemanager#InventoryFilterList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#InventoryFilter"
```

```
        }
    },
    "com.amazonaws.licensemanager#Issuer": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer name.</p>",
                    "smithy.api#required": {}
                }
            },
            "SignKey": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key usage
 of sign and verify, \n        and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about the issuer of a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#IssuerDetails": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer name.</p>"
                }
            },
            "SignKey": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n        and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
                }
            },
            "KeyFingerprint": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer key fingerprint.</p>"
                }
            }
```

```
    },
    "traits": {
        "smithy.api#documentation": "<p>Details associated with the issuer of a license.</p>"
    }
},
"com.amazonaws.licensemanager#License": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
        },
        "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {

       "smithy.api#documentation": "<p>License name.</p>"
            }
        },
        "ProductName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Product name.</p>"
            }
        },
        "ProductSKU": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Product SKU.</p>"
            }
        },
        "Issuer": {
            "target": "com.amazonaws.licensemanager#IssuerDetails",
            "traits": {
                "smithy.api#documentation": "<p>License issuer.</p>"
            }
        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {

        "smithy.api#documentation": "<p>Home Region of the license.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
```

"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " License metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " License creation time. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}

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        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
    "type": "structure",
    "members": {
        "LicenseConfigurationId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
            }
        },
        "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
        },
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Name of the license configuration.</p>"
            }
        },
        "Description": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Description of the license configuration.</p>"
            }
        },
        "LicenseCountingType": {
            "target": "com.amazonaws.licensemanager#LicenseCountingType",
            "traits": {
                "smithy.api#documentation": "<p>Dimension to use to track the license inventory.</p>"
             }
        },
        "LicenseRules": {
            "target": "com.amazonaws.licensemanager#StringList",
            "traits": {
                "smithy.api#documentation": "<p>License rules.</p>"
            }
        },
        "LicenseCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
```

"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Number of available licenses as a hard limit. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the license configuration. "
}
},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the license configuration's owner. "

}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for licenses consumed by various resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for managed resources. "
}
},
"ProductInformationList": {

"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {

"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
}
},
"traits": {
"smithy.api#documentation": " A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
"type": "structure",
"members": {
"ResourceArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of server resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Time when the license configuration was associated with the resource. "
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an association with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
}
},
"com.amazonaws.licensemanager#LicenseConfigurationStatus": {
"type": "enum",
"members":
{
"AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISABLED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsage": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},

"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits":
{
"smithy.api#documentation": " Type of resource. "
}
},
"ResourceStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the usage of a resource associated with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
}
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
"type": "list",
"member": {

"target": "com.amazonaws.licensemanager#LicenseConfiguration"
}
},
"com.amazonaws.licensemanager#LicenseConversionContext": {

"type": "structure",
"members": {
"UsageOperation": {
"target": "com.amazonaws.licensemanager#UsageOperation",
"traits": {
"smithy.api#documentation": " The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\n \n "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {

"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " The ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource associated with the license type\n conversion task. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted from. "
}
},
"DestinationLicenseContext": {
"target":

"com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted to. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " The status of the conversion task. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was started at. "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the usage operation value of the resource was changed. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was completed. "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
"type": "string",
"traits": {

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        "smithy.api#length": {
            "min": 0,
            "max": 50
        },
        "smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
    }
  },
  "com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
    "type": "enum",
    "members": {
      "IN_PROGRESS": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "IN_PROGRESS"
        }
      },
      "SUCCEEDED": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "SUCCEEDED"
        }
      },
      "FAILED": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "FAILED"
        }
      }
    }
  },
  "com.amazonaws.licensemanager#LicenseConversionTasks":
{
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#LicenseConversionTask"
    }
  },
  "com.amazonaws.licensemanager#LicenseCountingType": {
    "type": "enum",
    "members": {
      "VCPU": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "vCPU"
        }
      },
      "INSTANCE": {
        "target": "smithy.api#Unit",
```

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            "traits": {
                "smithy.api#enumValue": "Instance"
            }
        },
        "CORE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Core"
            }
        },
        "SOCKET": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "Socket"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
    "type": "enum",
    "members": {
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#License"
    }
},
"com.amazonaws.licensemanager#LicenseOperationFailure": {

    "type": "structure",
    "members": {
        "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Resource type. "
}
},
"ErrorMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Error message. "
}
},
"FailureTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Failure time. "
}
},
"OperationName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the operation. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource. "
}
},
"OperationRequestedBy": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The requester is \"License Manager Automated Discovery\". "
}
},
"MetadataList": {

"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Reserved. "
}
}

```
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes the failure of a license operation.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseOperationFailureList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseOperationFailure"
        }
    },
    "com.amazonaws.licensemanager#LicenseSpecification": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

                "smithy.api#required": {}
                }
            },
            "AmiAssociationScope": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details for associating a license configuration with a resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseSpecifications": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseSpecification"
        }
    },
    "com.amazonaws.licensemanager#LicenseStatus": {
        "type": "enum",
        "members": {
            "AVAILABLE": {
                "target": "smithy.api#Unit",
```

```
        "traits": {
            "smithy.api#enumValue": "AVAILABLE"
        }
        },
        "PENDING_AVAILABLE": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "PENDING_AVAILABLE"
        }
        },
        "DEACTIVATED": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "DEACTIVATED"
        }
        },
        "SUSPENDED": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "SUSPENDED"
        }
        },
        "EXPIRED": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "EXPIRED"
        }
        },

      "PENDING_DELETE": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "PENDING_DELETE"
        }
        },
        "DELETED": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "DELETED"
        }
        }
    }
},
"com.amazonaws.licensemanager#LicenseUsage": {
    "type": "structure",
    "members": {
        "EntitlementUsages": {
            "target": "com.amazonaws.licensemanager#EntitlementUsageList",
```

"traits": {
"smithy.api#documentation": " License entitlement usages. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the entitlement usage associated with a license. "

}
},
"com.amazonaws.licensemanager#LicenseUsageException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "LicenseUsageFailure",
"httpResponseCode": 412
},
"smithy.api#documentation": " You do not have enough licenses available to support a new resource launch. ",
"smithy.api#error": "client",
"smithy.api#httpError": 412
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{

"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the resource associations for the
specified license configuration. \n Resource associations need not consume licenses from a license
configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules). "
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results
to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationAssociations": {

"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license configuration. "
}
},
"NextToken": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
        "type": "structure",
        "members": {
            "GrantArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {

            "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n            <p>\n                <code>LicenseArn</code>\n            </p>\n
        </li>\n            <li>\n            <p>\n                <code>GrantStatus</code>\n            </p>\n            </li>\n
    <li>\n            <p>\n                <code>GranteePrincipalARN</code>\n            </p>\n            </li>\n
<li>\n            <p>\n                <code>ProductSKU</code>\n            </p>\n            </li>\n            <li>\n
<p>\n                <code>LicenseIssuerName</code>\n
        </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
        "type": "structure",
        "members": {
            "Grants": {
```

"target": "com.amazonaws.licensemanager#GrantList",

"traits": {
"smithy.api#documentation": " Distributed grant details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license configuration operations that failed. "
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {

"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name of the license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse": {
"type": "structure",
"members": {
"LicenseOperationFailureList": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
"traits": {
"smithy.api#documentation": " License configuration operations that failed. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConfigurations": {

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
},

"output": {
"target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license configurations
for your account. "
}
},
"com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the license
configurations. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}

```
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next
 set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n                Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n                Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n
<p>\n                <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n                Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>.</p>\n
    </li>\n            <li>\n                <p>\n                <code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurations": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurations",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",

          "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
```

```
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
    "type": "structure",
    "members": {
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {

"smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "Filters": {
```

"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " \n Filters to scope the results. Valid filters are <code>ResourceArns</code> and <code>Status</code>.\n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
"type": "structure",
"members": {
"LicenseConversionTasks": {
"target": "com.amazonaws.licensemanager#LicenseConversionTasks",
"traits": {
"smithy.api#documentation": " Information about the license configuration tasks for your account. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},

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            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n        <ul>\n            <li>\n                <p>\n                    <code>LicenseConfigurationArn</code>\n
</p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits":
{
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
```

```
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
        "type": "structure",
        "members": {
            "ReportGenerators": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorList",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }

        }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an
associated license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {

        "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
        "type": "structure",
        "members": {
            "LicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
                }
            },
            "NextToken": {
```

```
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                "smithy.api#required": {}
            }
```

```
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#LicenseList",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            },

"NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenses": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicensesRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicensesResponse"
        },
        "errors": [
```

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicensesRequest": {
        "type": "structure",
        "members": {
            "LicenseArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
                }
            },

    "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n    <ul>\n    <li>\n    <p>\n    <code>Beneficiary</code>\n    </p>\n
    </li>\n    <li>\n    <p>\n    <code>ProductSKU</code>\n    </p>\n    </li>\n
    <li>\n    <p>\n    <code>Fingerprint</code>\n    </p>\n    </li>\n    <li>\n
<p>\n    <code>Status</code>\n    </p>\n    </li>\n    </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token
```

for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicensesResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#LicenseList",
"traits": {
"smithy.api#documentation": " License details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

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            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target":
 "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the received license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
    <ul>\n        <li>\n            <p>\n                <code>ParentArn</code>\n            </p>\n        </li>\n
<li>\n            <p>\n                <code>GranteePrincipalArn</code>\n            </p>\n        </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
```

"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",
"traits": {
"smithy.api#documentation": " Lists the grants the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
"type": "structure",
"members": {
"GrantArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranterAccountId</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},

```
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
    "type": "structure",
    "members": {
        "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
             "traits": {
                "smithy.api#documentation": "<p>Received grant details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
         },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists received licenses.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {

    "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
```

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the licenses received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>Beneficiary</code>\n \n \n \n \n <code>ProductSKU</code>\n
\n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#GrantedLicenseList",
"traits": {
"smithy.api#documentation": " Lists the licenses the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>IssuerName</code>\n \n \n \n \n <code>Beneficiary</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
"type": "structure",

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    "members": {
      "Licenses": {
        "target": "com.amazonaws.licensemanager#GrantedLicenseList",
        "traits": {
          "smithy.api#documentation": "<p>Received license details.</p>"
        }
      },

      "NextToken": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
          "smithy.api#documentation": "<p>Token for the next set of results.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanager#ListResourceInventory": {
    "type": "operation",
    "input": {
      "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
    },
    "output": {
      "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
      {
        "target": "com.amazonaws.licensemanager#AccessDeniedException"
      },
      {
        "target": "com.amazonaws.licensemanager#AuthorizationException"
      },
      {
        "target": "com.amazonaws.licensemanager#FailedDependencyException"
      },
      {
        "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
      },
      {
        "target": "com.amazonaws.licensemanager#RateLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#ServerInternalException"
```

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListResourceInventoryRequest": {
        "type": "structure",
        "members": {
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                 "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#InventoryFilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n                    <code>account_id</code>
- The ID of the Amazon Web Services account that owns the resource.\n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n
            </li>\n            <li>\n                <p>\n                    <code>application_name</code> - The name of the
application. \n                Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n
    </li>\n            <li>\n                <p>\n                    <code>license_included</code> - The type of license included. \n
            Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n                Possible values
are <code>sql-server-enterprise</code> | \n                <code>sql-server-standard</code> | \n                <code>sql-
server-web</code> |  \n                <code>windows-server-datacenter</code>.</p>\n            </li>\n            <li>\n
    <p>\n                    <code>platform</code> - The platform of the resource.\n                Logical operators are
<code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n            </li>\n            <li>\n                <p>\n
        <code>resource_id</code> - The ID of the resource. \n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n                <p>\n
      <code>tag:<key></code> - The key/value combination of a tag assigned \n                to the resource. Logical
operators are <code>EQUALS</code> (single account) or\n                <code>EQUALS</code> |
<code>NOT_EQUALS</code> (cross account).</p>\n            </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
```

"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
"type": "structure",
"members": {
"ResourceInventoryList": {
"target": "com.amazonaws.licensemanager#ResourceInventoryList",
"traits": {
"smithy.api#documentation": " Information
about the resources. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the tags for the specified license configuration. "

```
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
        "errors":
[
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists your tokens.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTokensRequest": {
        "type": "structure",
        "members": {
            "TokenIds": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {

                  "smithy.api#documentation": "<p>Token IDs.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
    <ul>\n        <li>\n        <p>\n        <code>LicenseArns</code>\n        </p>\n        </li>\n
</ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation":
 "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
```

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            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokensResponse": {
        "type": "structure",
        "members": {
            "Tokens": {
                "target": "com.amazonaws.licensemanager#TokenList",
                "traits": {
                    "smithy.api#documentation": "<p>Received token details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
```

```
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying license\n consumption details by resource at a selected point in time. Use this action to audit the\n current license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical operators\n are supported:</p>\n <ul>\n <li>\n <p>\n <code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n </li>\n <li>\n <p>\n <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n </li>\n <li>\n <p>\n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n </li>\n </ul>"
                }
            }
```

```
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
        "type": "structure",
        "members": {

"LicenseConfigurationUsageList": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#Location": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#Long": {
        "type": "long"
    },
    "com.amazonaws.licensemanager#ManagedResourceSummary": {
        "type": "structure",
        "members": {
            "ResourceType":
{
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
                }
            },
            "AssociationCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
                }
            }
```

```
    },
    "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
    }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
    }
},
"com.amazonaws.licensemanager#MaxSize100": {

"type": "integer",
    "traits": {
        "smithy.api#range": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The key name.</p>"
            }
        },

"Value": {
            "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " The value. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes key/value pairs. "
}
},
"com.amazonaws.licensemanager#MetadataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Metadata"
}
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n \n \n As a grantor, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your organization. \n \n \n As a grantee, if the grantor creating the distributed grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n are activating the grant. \n \n \n <dl>\n <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n Use this value to activate a grant without replacing any member accounts\n active grants for the same product. \n </dd>\n <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n Use this value to activate a

grant and disable other active grants in any\n member accounts
for the same product. This action will also replace their\n previously activated grants with this activated grant. \n </dd>\n </dl>"
}
}
},
"traits": {
"smithy.api#documentation": " The options you can specify when you create a new version of a grant, such as activation\n override behavior. For more information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#OrganizationConfiguration": {
"type": "structure",
"members": {
"EnableIntegration": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,
"smithy.api#documentation": " Enables Organizations integration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Configuration information for Organizations. "
}
},
"com.amazonaws.licensemanager#PrincipalArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 1
}
}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Resource type. The possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a <code>ProductInformationFilterComparator</code> which is a logical operator, a <code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. \n The following filters and are supported when the resource type \n is <code>SSM_MANAGED</code>: \n \n \n \n <code>Application Name</code> - The name of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Publisher</code> - The publisher of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n \n \n \n \n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n \n \n <code>License Included</code> - The type of license included.\n Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are: <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n The following filters and logical operators are supported when the resource type\n is <code>RDS</code>: \n \n \n \n <code>Engine Edition</code> - The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>. \n \n \n \n <code>License Pack</code> - The license pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n <code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n \n ",
"smithy.api#required": {}
}
}
},

```
    "traits": {
        "smithy.api#documentation": "<p>Describes product information for a license configuration.</p>"
    }
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
    "type": "structure",
    "members": {
        "ProductInformationFilterName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Filter name.</p>",
                "smithy.api#required": {}
            }
        },
        "ProductInformationFilterValue": {
            "target": "com.amazonaws.licensemanager#StringList",

      "traits": {
                "smithy.api#documentation": "<p>Filter value.</p>"
            }
        },
        "ProductInformationFilterComparator": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Logical operator.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes product information filters.</p>"
    }
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ProductInformationFilter"
    }
},
"com.amazonaws.licensemanager#ProductInformationList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ProductInformation"
     }
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
    "type": "structure",
    "members": {
```

"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the provisional configuration, in minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "RateLimitExceeded",
"httpResponseCode": 429
},
"smithy.api#documentation": " Too many requests have been submitted. Try again after a brief wait. ",
"smithy.api#error": "client",
"smithy.api#httpError": 429
}
},
"com.amazonaws.licensemanager#ReceivedMetadata": {
"type": "structure",
"members": {
"ReceivedStatus": {
"target": "com.amazonaws.licensemanager#ReceivedStatus",
"traits": {
"smithy.api#documentation": " Received status. "
}
},
"ReceivedStatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Received status reason. "
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",

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            "traits": {
                "smithy.api#documentation": "<p>Allowed operations.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
    }
},
"com.amazonaws.licensemanager#ReceivedStatus": {
    "type": "enum",
    "members": {
        "PENDING_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_WORKFLOW"
            }
        },
        "PENDING_ACCEPT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue":
"PENDING_ACCEPT"
            }
        },
        "REJECTED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "REJECTED"
            }
        },
        "ACTIVE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ACTIVE"
            }
        },
        "FAILED_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED_WORKFLOW"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
```

```
        },
        "DISABLED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DISABLED"
            }
        },
        "WORKFLOW_COMPLETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "WORKFLOW_COMPLETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#RedirectException": {
    "type": "structure",
    "members": {
        "Location": {
            "target": "com.amazonaws.licensemanager#Location",
            "traits": {
                "smithy.api#httpHeader": "Location"
            }
        },
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 308
    }
},
"com.amazonaws.licensemanager#RejectGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#RejectGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#RejectGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#RejectGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}

  }
    },
    "com.amazonaws.licensemanager#RejectGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
```

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            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#RenewType":
{
    "type": "enum",
    "members": {
        "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "None"
            }
        },
        "WEEKLY": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Weekly"
            }
        },
        "MONTHLY": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Monthly"
            }
        }
    }
},
"com.amazonaws.licensemanager#ReportContext": {
    "type": "structure",
    "members": {
        "licenseConfigurationArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
            "traits": {
```

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "
}
},
"period": {
"target": "com.amazonaws.licensemanager#ReportFrequencyType",

"traits": {
"smithy.api#documentation": " Time period between each report. The period can be daily, weekly, or monthly. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
"type": "enum",
"members": {
"DAY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DAY"
}
},
"WEEK": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WEEK"
}
},

"MONTH": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "MONTH"
}
}
}
},
"com.amazonaws.licensemanager#ReportGenerator": {
"type": "structure",
"members": {
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the report generator. "
}
},
"ReportType": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports that are generated. "
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " License
configuration type for this generator. "
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. "
}
},
"LastRunStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the last report generation attempt. "
}

```
            },
            "LastRunFailureReason":
 {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
                }
            },
            "LastReportGenerationTime": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
                }
            },
            "ReportCreatorAccount": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report
generator.</p>"
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",

        "traits": {
                    "smithy.api#documentation": "<p>Description of the report generator.</p>"
                }
            },
            "S3Location": {
                "target": "com.amazonaws.licensemanager#S3Location",
                "traits": {
                    "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
                }
            },
            "CreateTime": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Time the report was created.</p>"
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
                }
```

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}
    },
    "traits": {
        "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
    }
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ReportGenerator"
    }
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#ReportType": {
    "type": "enum",
    "members": {
        "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
            }

},
        "LICENSE_CONFIGURATION_USAGE_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "LicenseConfigurationUsageReport"
            }
        }
    }
},
"com.amazonaws.licensemanager#ReportTypeList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ReportType"
    }
},
"com.amazonaws.licensemanager#ResourceInventory": {
    "type": "structure",
    "members": {
```

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            "ResourceId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "Platform": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform of the resource.</p>"
                }
            },
            "PlatformVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
                }
            },
            "ResourceOwningAccountId":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventoryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ResourceInventory"
        }
```

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},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "ResourceLimitExceeded",

         "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
     "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_INSTANCE"
            }
        },
        "EC2_HOST": {
            "target": "smithy.api#Unit",
            "traits": {
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"smithy.api#enumValue": "EC2_HOST"
}
},
"EC2_AMI": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_AMI"
}
},
"RDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "RDS"
}
},
"SYSTEMS_MANAGER_MANAGED_INSTANCE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
}
}
}
},
"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"com.amazonaws.licensemanager#ServerInternalException": {
"type": "structure",
"members": {
"Message": {

"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InternalError",
"httpResponseCode": 500
},
"smithy.api#documentation": " The server experienced an internal error. Try again. ",
"smithy.api#error": "server",
"smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanager#SignedToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 4096
}
}
},
"com.amazonaws.licensemanager#StatusReasonMessage": {
"type": "string",
"traits":
{
"smithy.api#length": {
"min": 0,
"max": 400
},
"smithy.api#pattern": "^[\\s\\S]+$"
}
},
"com.amazonaws.licensemanager#String": {
"type": "string"
},
"com.amazonaws.licensemanager#StringList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#String"
}
},
"com.amazonaws.licensemanager#Tag": {
"type": "structure",
"members": {
"Key": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Tag key. "

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            }
          },
          "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation":
"<p>Tag value.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
        }
      },
      "com.amazonaws.licensemanager#TagKeyList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#String"
        }
      },
      "com.amazonaws.licensemanager#TagList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#Tag"
        }
      },
      "com.amazonaws.licensemanager#TagResource": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#TagResourceRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#TagResourceResponse"
        },
        "errors": [
          {
            "target":
"com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
```

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            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>One or more tags.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>"
                }
            },
```

"TokenType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Type of token generated. The supported value is <code>REFRESH_TOKEN</code>. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"ExpirationTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Token expiration time, in ISO8601-UTC format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",

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        "member": {
            "target": "com.amazonaws.licensemanager#TokenData"
        }
    },
    "com.amazonaws.licensemanager#TokenString": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 4096
            },
            "smithy.api#pattern": "^\\S+$"
        }
    },
    "com.amazonaws.licensemanager#TokenType": {
        "type": "enum",
        "members": {
            "REFRESH_TOKEN": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REFRESH_TOKEN"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
{
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The digital signature method is unsupported. Try your request
again.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UntagResourceResponse"
        },
```

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Removes the specified tags from the specified license configuration. "
}
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanager#TagKeyList",
"traits": {
"smithy.api#documentation": " Keys identifying the tags to remove. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
"type": "structure",
"members": {},

"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Modifies the attributes of an existing license configuration. "
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},

"LicenseConfigurationStatus": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
"traits": {
"smithy.api#documentation": " New status of the license configuration. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " New license rule. The only rule that you can add after you create a license\n configuration is licenseAffinityToHost. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",

"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits":
{
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},

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            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to update.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types are supported:</p>\n        <ul>\n            <li>\n                <p>License configuration report - Reports the number and details of consumed licenses for a license configuration.</p>\n            </li>\n            <li>\n                <p>Resource report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n            </li>\n        </ul>",
                    "smithy.api#required": {}
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
                    "smithy.api#documentation": "<p>The report context.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportFrequency": {
                "target": "com.amazonaws.licensemanager#ReportFrequency",
```

"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},

```
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },

            {
                "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
            },
            {
                "target": "com.amazonaws.licensemanager#LicenseUsageException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified
Amazon Web Services resource.</p>\n        <p>You can update the license specifications of AMIs, instances, and
hosts.\n        You cannot update the license specifications for launch templates and CloudFormation templates, \n
  as they send license configurations to the operation that creates the resource.</p>"
        }
    },

    "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services
resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "AddLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
                }
            },
            "RemoveLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation":
 "<p>ARNs of the license configurations to remove.</p>"
                }
```

```
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
         },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
    }
},
"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
    "type": "structure",
    "members": {
        "S3BucketArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
Manager information is stored. "
}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Enables integration with Organizations for cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Activates cross-account discovery. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UsageOperation": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
}
}
},
"com.amazonaws.licensemanager#ValidationException": {

"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The provided input is not valid. Try your request again. ",

"smithy.api#error": "client",
"smithy.api#httpError": 400
}
}
}
}

1.7336 x-exp 0.0.0-20241108190413-2d47ceb2692f

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(For example, a function in a library to compute square roots has

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That's all there is to it!

1.7342 wget 1.25.0-r0

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1.7350 protobuf-go 1.34.1

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1.7357 x-mod 0.19.0

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1.7358 moby-sys-reexec 0.1.0

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1.7359 filepath-securejoin 0.3.5

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1.7360 continuity 0.4.4

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Please feel free to re-implement this benchmark in any language you
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Martin Richards
23 February 2007
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https://github.com/madler/zlib
http://zlib.net/zlib_license.html

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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By Sean Eron Anderson
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<Project Sdk="Microsoft.NET.Sdk">
<PropertyGroup>

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  <OutputType>Exe</OutputType>
  <ApplicationManifest>App.manifest</ApplicationManifest>
 </PropertyGroup>
 <ItemGroup>
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  <Compile Include="../../ServerContracts/Server.CoClasses.cs" />
  <Compile Include="../../ServerContracts/Server.Contracts.cs" />
  <Compile Include="../../ServerContracts/ServerGuids.cs" />
 </ItemGroup>
 <ItemGroup>
  <ProjectReference Include="../../NativeServer/CMakeLists.txt" />
  <ProjectReference Include="$(TestSourceDir)Common/CoreCLRTestLibrary/CoreCLRTestLibrary.csproj" />
 </ItemGroup>
</Project>
```

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1.7362 x-text 0.21.0

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1.7363 x-oauth2 0.25.0

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1.7365 libuuid 2.40.4-r0

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NR START END SECTORS SIZE NAME UUID
1 32 7679 7648 3.7M 8f8378c0-01
2 7680 16383 8704 4.3M 8f8378c0-02
5 7936 12799 4864 2.4M
6 12544 16127 3584 1.8M

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*/
```

1.7367 golang-org-x-exp 0.0.0-20240808152545-0cdaa3abc0fa

1.7367.1 Available under license :

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1.7368 aws-sdk-go-v2-service-internal-presigned-url 1.12.5

1.7368.1 Available under license :

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
```

```
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string
```

```
 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
```

```
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
```

```
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack,
 c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err !=
 nil {
  return err
 }
 return nil
}
```

```
func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
       uses: actions/checkout@v2
       with:
         path: new-ref
         fetch-depth: 0
     - name: Get Diff
       run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
     - name: Get Target Files
       run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
     - name: Checkout scancode
       uses: actions/checkout@v2
       with:
         repository: nexB/scancode-toolkit
         path: scancode-toolkit
         fetch-depth: 1
     - name: Set up Python ${{ matrix.python-version }}
        uses: actions/setup-python@v2
       with:
         python-version: ${{ matrix.python-version }}
     # ScanCode
     - name: Self-configure scancode
```

```
      working-directory: ./scancode-toolkit
      run: ./scancode --help
    - name: Run Scan code on target
      run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
    - name: Run Scan code on pr ref
      run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
```

```
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
 err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
```

```
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if
err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
```

```
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err
!= nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region:       region,
 ServiceID:     ServiceID,
 OperationName: "DisassociateLicense",
}
}
{
  "smithy": "2.0",
  "shapes": {
      "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
          "type": "structure",
          "members": {
              "message": {
```

"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " You don't have sufficient access to perform this action. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
"type": "structure",
"members": {
"DirectoryId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Directory",
"traits": {
"smithy.api#documentation": " The directory ID for an Active Directory identity provider. "
}
},
"ActiveDirectorySettings":
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings",
"traits": {
"smithy.api#documentation": " The <code>ActiveDirectorySettings</code> resource contains details about \n\t\t\tthe Active Directory, including network access details such as domain name and IP \n\t\t\taddresses, and the credential provider for user administration. "
}
},
"ActiveDirectoryType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType",
"traits": {
"smithy.api#documentation": " The type of Active Directory either a self-managed Active Directory or an \n\t\t\tAmazon Web Services Managed Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about an Active Directory identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings": {
"type": "structure",
"members": {
"DomainName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name for the Active Directory. "
}
},

"DomainIpv4List": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IpV4List",
"traits": {
"smithy.api#documentation": " A list of domain IPv4 addresses that are used for the Active Directory. ",
"smithy.api#length": {
"min": 1,
"max": 2
}
}
},
"DomainCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
"traits": {
"smithy.api#documentation": " Points to the <code>CredentialsProvider</code> resource that contains \n\t\t\tinformation about the credential provider for user administration. "
}
},
"DomainNetworkSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings",
"traits": {
"smithy.api#documentation": " The <code>DomainNetworkSettings</code> resource contains an array of \n\t\t\tsubnets that apply for the Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains network access and credential details that are needed for \n\t\t\tuser administration in the Active Directory. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "SELF_MANAGED",
"value": "SELF_MANAGED",
"documentation": "SELF_MANAGED type of Active Directory"
},
{
"name": "AWS_MANAGED",
"value": "AWS_MANAGED",
"documentation": "AWS_MANAGED type of Active Directory"
}
]

```
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Arn": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-
zA-Z0-9-\\.]{1,510}/[a-zA-Z0-9-\\.]{1,510}$"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUser":
 {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Associates the user to an EC2 instance to utilize user-based
subscriptions.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related
costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing
status) in Amazon Web Services Billing. For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n\t\t\t\tmonthly
charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
```

"smithy.api#http":
{
"code": 200,
"method": "POST",
"uri": "/user/AssociateUser"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance that provides the user-based subscription. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The identity provider for the user. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains information for the user to associate. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply for the user association. "
}
}
},

"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request couldn't be completed because it conflicted with the current state of the\n\t\t\tresource. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},

{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},

{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a network endpoint for the Remote Desktop Services (RDS) license server. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/CreateLicenseServerEndpoint"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest": {
"type": "structure",
"members": {
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the <code>IdentityProvider</code> resource that contains details \n\t\t\tabout a registered identity provider. In the case of Active Directory, that can be \n\t\t\ta self-managed Active Directory or an Amazon Web Services Managed Active Directory that contains user identity details. ",
"smithy.api#required": {}
}
},
"LicenseServerSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings",
"traits": {
"smithy.api#documentation": " The <code>LicenseServerSettings</code> resource to create for

the endpoint. The \n\t\t\tsettings include the type of license server and the Secrets Manager secret that \n\t\t\tenables administrators to add or remove users associated with the \n\t\t\tlicense server. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply for the license server endpoint. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse": {
"type": "structure",
"members": {
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider specified in the request. "
}
},
"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The ARN of the <code>LicenseServerEndpoint</code> resource. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider": {
"type": "union",
"members": {
"SecretsManagerCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider",
"traits": {
"smithy.api#documentation": " Identifies the Secrets Manager secret that contains credentials needed for \n\t\t\tuser administration in the Active Directory. "

```
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Contains information about the credential provider for user
\n\t\t\tadministration.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

 }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes a <code>LicenseServerEndpoint</code> resource.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/license-server/DeleteLicenseServerEndpoint"
            },
            "smithy.api#idempotent": {}
```

```
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest": {
        "type": "structure",
        "members": {
            "LicenseServerEndpointArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the
<code>LicenseServerEndpoint</code> \n\t\t\tresource to delete.</p>",
                    "smithy.api#required": {}
                }
            },
            "ServerType": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
                "traits": {
                    "smithy.api#documentation": "<p>The type of License Server that the delete request refers to.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse": {
        "type": "structure",
        "members": {
            "LicenseServerEndpoint": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint",
                "traits": {
                    "smithy.api#documentation": "<p>Shows details from the <code>LicenseServerEndpoint</code>
resource that was deleted.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
        },
```

"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deregisters the Active Directory identity provider from License Manager user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/DeregisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the Active Directory identity provider. "
}
},
"Product": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The name of the user-based subscription product. \n
Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
"
}
},
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",

"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the identity
provider to deregister. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider
operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#Directory":
{
"type": "string",
"traits": {
"smithy.api#pattern": "^(d|sd)-[0-9a-f]{10}$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
},
"output": {

"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Disassociates the user from an EC2 instance providing user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/DisassociateUser"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the Active Directory identity provider for the user. "
}
},
"InstanceId": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance which provides user-based subscriptions. "
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the Active Directory identity provider. "

}
},
"InstanceUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the user to disassociate from the EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains information for the user to disassociate. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},

"com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings": {
"type": "structure",
"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " Contains a list of subnets that apply for the Active Directory domain. ",
"smithy.api#length": {
"min": 1
},
"smithy.api#required": {}

}
}
},
"traits": {
"smithy.api#documentation": " Contains network settings for the Active Directory domain. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#Filter": {
"type": "structure",
"members": {
"Attribute": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of an attribute to use as a filter. "
}
},
"Operation": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of search (For example, eq, geq, leq) "
}
},
"Value": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Value of the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used to return more specific results from a describe\n\t\t\tor list operation. You can use filters can be used to match a set of resources by specific \n\t\t\tcriteria, such as tags, attributes, or IDs. "
}

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#FilterList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
        "type": "union",
        "members": {
            "ActiveDirectoryIdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
                "traits": {

                    "smithy.api#documentation": "<p>The <code>ActiveDirectoryIdentityProvider</code> resource
contains settings \n\t\t\tand other details about a specific Active Directory identity provider.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Refers to an identity provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>The <code>IdentityProvider</code> resource contains information
about \n\t\t\tan identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Settings": {

            "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
                "traits": {
                    "smithy.api#documentation": "<p>The <code>Settings</code> resource contains details about the
registered \n\t\t\tidentity providers product related configuration settings, such as the \n\t\t\tsubnets to provision VPC
endpoints.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
```

"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the identity provider. ",

"smithy.api#required": {}
}
},
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider. "
}
},
"FailureMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The failure message associated with an identity provider. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The status of an EC2 instance resource. ",
"smithy.api#required": {}
}
},
"Products": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
"traits":
{
"smithy.api#documentation": " A list of provided user-based subscription products. ",
"smithy.api#required": {}
}
},
"LastStatusCheckDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date of the last status check. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for an EC2 instance. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {

"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The ID of the EC2 instance that provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {

"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The <code>IdentityProvider</code> resource specifies details \n\t\t\tabout the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a user associated with an EC2 instance. ",
"smithy.api#required": {}
}
},
"InstanceUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the instance user. "
}

},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for users of an EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains the user information for the product subscription. "
}
},
"AssociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was associated with an EC2 instance. "
}

```
            },
            "DisassociationDate": {
                "target": "smithy.api#String",
                "traits": {

            "smithy.api#documentation": "<p>The date a user was disassociated from an EC2 instance.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes users of an EC2 instance providing user-based
subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
            "smithy.api#error": "server",
             "smithy.api#httpError": 500
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IpV4": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^(?:(25[0-5]|2[0-4][0-9]|1[0-9][0-9]|[1-9][0-9]|[0-9])(\\.(?!$)|$)){4}$"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IpV4List": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IpV4"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
        "type": "service",
        "version": "2018-05-10",
```

"operations": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint"

},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#TagResource"
},

{
"target": "com.amazonaws.licensemanagerusersubscriptions#UntagResource"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
}
],
"traits": {
"aws.api#service": {
"sdkId": "License Manager User Subscriptions",
"arnNamespace": "license-manager-user-subscriptions",
"cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
},
"aws.auth#sigv4": {
"name": "license-manager-user-subscriptions"
},
"aws.protocols#restJson1": {},
"smithy.api#cors": {
"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id",
"content-length",
"x-api-key",

"authorization",
"x-amz-date",
"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n\t\ta per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {

"builtIn":
"AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured
endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
},
"rules": [
{
"conditions": [
{
"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
]
}
],

"rules": [
{
"conditions": [
{
"fn": "booleanEquals",

```
                "argv": [
                  {
                    "ref": "UseFIPS"
                  },
                  true
                ]
              }
            ],
            "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
            "type": "error"
          },
          {
            "conditions": [
              {

"fn": "booleanEquals",
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                    "ref": "UseDualStack"
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                  true
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            "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
            "type": "error"
          },
          {
            "conditions": [],
            "endpoint": {
              "url": {
                "ref": "Endpoint"
              },
              "properties": {},

          "headers": {}
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            "type": "endpoint"
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        "type": "tree"
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      {
        "conditions": [
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            "fn": "isSet",
            "argv": [
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                "ref": "Region"
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                "argv":
[
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                        "ref": "Region"
                    }
                ],
                "assign": "PartitionResult"
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        ],
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                        "argv": [
                            {
                                "ref": "UseFIPS"
                            },
                            true

]
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                                "ref": "UseDualStack"
                            },
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"argv": [
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"fn": "getAttr",
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"ref": "PartitionResult"
},
"supportsFIPS"
]
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"fn": "booleanEquals",
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},
"supportsDualStack"
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}
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"rules": [
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"properties": {},
"headers": {}
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"conditions": [],

"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
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"type": "tree"
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"conditions": [
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"argv": [
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"fn": "getAttr",
"argv": [
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"ref": "PartitionResult"
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"supportsFIPS"
]
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"headers": {}

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                    },
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            "type": "error"
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                    },
                    true
                ]
            }
        ],
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                        {
                            "fn": "getAttr",
                            "argv": [
                                {
                                    "ref": "PartitionResult"
                                },
                                "supportsDualStack"
                            ]
                        }

    ]
                    }
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"properties": {},
"headers": {}
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"type": "endpoint"
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],
"type": "tree"
},
{
"conditions": [],
"error": "DualStack is enabled but this partition does not support DualStack",
"type": "error"
}
],
"type": "tree"
},
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"conditions": [],
"endpoint": {
"url": "https://license-manager-user-subscriptions.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},
"headers": {}
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"type": "endpoint"
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"conditions": [],
"error": "Invalid Configuration: Missing Region",
"type": "error"
}
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"smithy.rules#endpointTests": {
"testCases": [
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"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint":
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"url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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}
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"params": {
"Region": "us-east-1",
"UseFIPS": true,

"UseDualStack": false
}
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"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
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"url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
}
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {

"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
}
},

"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack":
true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
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"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
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}
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"params": {
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"UseDualStack": true
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{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack":
false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url":
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}
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
}
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack":
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition
does not support one or both"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
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{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
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},

{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",

"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
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"UseDualStack": true
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},
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},

"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
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{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",

"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},

{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,

"UseDualStack": true
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},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
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{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {

"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
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"params": {
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"UseDualStack": false,
"Endpoint":
"https://example.com"
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{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
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"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
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{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are
not supported"
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
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"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServer": {
"type": "structure",
"members": {
"ProvisioningStatus": {
"target":

"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
"traits": {
"smithy.api#documentation": " The current state of the provisioning process for the RDS \n\t\t\tlicense server. "
}
},
"HealthStatus": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus",
"traits": {
"smithy.api#documentation": " The health status of the RDS license server. "
}
},
"Ipv4Address": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A list of domain IPv4 addresses that are used for the RDS \n\t\t\tlicense server. "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a Remote Desktop Services (RDS) license server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint": {
"type": "structure",
"members": {
"IdentityProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider that's associated with \n\t\t\tthe RDS license server endpoint. "
}
},
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of license server. "
}
},
"ServerEndpoint": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint",
"traits": {
"smithy.api#documentation": " The <code>ServerEndpoint</code> resource contains the network \n\t\t\taddress of the RDS license server endpoint. "
}

},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The message associated with the provisioning status, if there is one. "
}
},
"LicenseServerEndpointId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId",
"traits": {
"smithy.api#documentation": " The ID of the license server endpoint. "
}
},
"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The ARN of the <code>ServerEndpoint</code> resource for the RDS \n\t\t\tlicense server. "
}
},
"LicenseServerEndpointProvisioningStatus": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
"traits": {
"smithy.api#documentation": " The current state of the provisioning process for the RDS license \n\t\t\tserver endpoint "
}
},
"LicenseServers": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerList",
"traits": {
"smithy.api#documentation": " An array of <code>LicenseServer</code> resources that represent the \n\t\t\tlicense servers that are accessed through this endpoint. "
}
},
"CreationTime": {

"target": "smithy.api#Timestamp",
"traits": {
"smithy.api#documentation": " The timestamp when License Manager created the license server endpoint. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains details about a network endpoint for a Remote Desktop Services (RDS) \n\t\t\tlicense server. "

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        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId": {
        "type": "string"
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus": {
        "type": "string",
        "traits":
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            "smithy.api#enum": [
                {
                    "name": "PROVISIONING",
                    "value": "PROVISIONING",
                    "documentation": ""
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                {
                    "name": "PROVISIONING_FAILED",
                    "value": "PROVISIONING_FAILED",
                    "documentation": ""
                },
                {
                    "name": "PROVISIONED",
                    "value": "PROVISIONED",
                    "documentation": ""
                },
                {
                    "name": "DELETING",
                    "value": "DELETING",
                    "documentation": ""
                },
                {
                    "name": "DELETION_FAILED",
                    "value": "DELETION_FAILED",
                    "documentation": ""
                },
                {
                     "name": "DELETED",
                    "value": "DELETED",
                    "documentation": ""
                }
            ]
        }
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    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "HEALTHY",
                    "value": "HEALTHY",
                    "documentation": ""
                },
                {
                    "name": "UNHEALTHY",
                    "value": "UNHEALTHY",
                    "documentation": ""
                },
                {
                    "name": "NOT_APPLICABLE",
                    "value": "NOT_APPLICABLE",
                    "documentation": ""
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerList":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServer"
        }
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    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings": {
        "type": "structure",
        "members": {
            "ServerType": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
                "traits": {
                    "smithy.api#documentation": "<p>The type of license server.</p>",
                    "smithy.api#required": {}
                }
            },
            "ServerSettings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServerSettings",
                "traits": {
                    "smithy.api#documentation": "<p>The <code>ServerSettings</code> resource contains the settings
for your \n\t\t\tserver.</p>",

            "smithy.api#required": {}
                }
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```
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The settings to configure your license server.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the Active Directory identity providers for user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/ListIdentityProviders"
            },

         "smithy.api#paginated": {
                "inputToken": "NextToken",
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"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "IdentityProviderSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Product \n \n \n DirectoryId \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse": {
"type": "structure",
"members": {
"IdentityProviderSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
"traits": {

"smithy.api#documentation": " An array of <code>IdentityProviderSummary</code> resources that contain \n\t\t\tdetails about the Active Directory identity providers that meet the request criteria. ",
"smithy.api#required": {}
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the EC2 instances providing user-based subscriptions. ",
"smithy.api#http": {

"code": 200,
"method": "POST",
"uri": "/instance/ListInstances"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
"type": "structure",
"members": {
"MaxResults": {

"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
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"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Status \n \n \n InstanceId \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
"type": "structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",

"traits": {
"smithy.api#documentation": " An array of <code>InstanceSummary</code> resources that contain details \n\t\t\tabout the instances that provide user-based subscriptions and also meet the \n\t\t\trequest criteria. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {

"smithy.api#documentation": " List the Remote Desktop Services (RDS) License Server endpoints
",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/ListLicenseServerEndpoints"
},
"smithy.api#paginated": {

"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "LicenseServerEndpoints"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single
request. ",
"smithy.api#range": {
"min": 1,
"max": 100
}
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits":
{
"smithy.api#documentation": " You can use the following filters to streamline results: \n
\n \n IdentityProviderArn \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}

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        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse": {
        "type": "structure",
        "members": {
            "LicenseServerEndpoints": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList",
                 "traits": {
                    "smithy.api#documentation": "<p>An array of <code>LicenseServerEndpoint</code> resources that \n\t\t\tcontain detailed information about the RDS License Servers that meet \n\t\t\tthe request criteria.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
        "type": "operation",
        "input": {

          "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the user-based subscription products available from an identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListProductSubscriptions"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "ProductUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
"type": "structure",
"members": {
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n "
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {

"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Status \n \n \n Username \n \n \n Domain \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
"type": "structure",
"members": {
"ProductUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to
retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}

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        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

      }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Returns the list of tags for the specified resource.</p>",
            "smithy.api#http": {
                "method": "GET",
                "uri": "/tags/{ResourceArn}"
            },
            "smithy.api#readonly": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource whose tags
you want to retrieve.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {

   "smithy.api#input": {}
        }
```

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},
"com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse": {
    "type": "structure",
    "members": {
        "Tags": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
            "traits": {
                "smithy.api#documentation": "<p>The tags for the specified resource.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
    },
    "errors": [
         {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
    ],
    "traits":
```

{
"smithy.api#documentation": " Lists user associations for an identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListUserAssociations"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Status \n \n \n Username \n \n \n Domain \n \n "
}

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            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
        "type": "structure",
        "members": {
            "InstanceUserSummaries": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>The user name from the identity provider for this product user.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
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"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The status of a product for this user. ",
"smithy.api#required": {}
}
},
"ProductUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) for this product user. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for a product for this user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory
that contains the user information for the product subscription. "
}
},
"SubscriptionStartDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The start date of a subscription. "
}
},
"SubscriptionEndDate": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The end date of a subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " A summary of the user-based subscription products for a specific user. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings": {
"type": "structure",
"members": {
"RdsSalCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
"traits": {
"smithy.api#documentation": " The <code>CredentialsProvider</code> resource contains a reference to \n\t\t\tthe credentials provider that's used for RDS license server user administration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Server settings that are specific to a Remote Desktop Services (RDS) license server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
"type":
"operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"

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            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/RegisterIdentityProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider to
register.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>",
                    "smithy.api#required": {}
                }
            },
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"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration \n\t\t\tsettings such as the subnets to provision VPC endpoints. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply to the identity provider's registration. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,510})/([a-z0-9-\\.]{1,510})$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}

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        },
        "traits": {
            "smithy.api#documentation": "<p>The resource couldn't be found.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 404
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider":
{
        "type": "structure",
        "members": {
            "SecretId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the Secrets Manager secret that contains
credentials.</p>",
                    "smithy.api#length": {
                        "min": 1
                    }
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Contains a credentials secret that's stored in Secrets Manager.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 5,
                "max": 200
            },
            "smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
         }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint": {
        "type": "structure",
        "members": {
            "Endpoint": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The network address of the endpoint.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A network endpoint through which you can access one or more
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servers. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServerSettings": {
"type": "union",
"members": {
"RdsSalSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings",
"traits": {
"smithy.api#documentation": " The <code>RdsSalSettings</code> resource contains settings to configure \n\t\t\ta specific Remote Desktop Services (RDS) license server. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains settings for a specific server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServerType": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "RDS_SAL",
"value": "RDS_SAL",
"documentation": ""
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request failed because a service quota is exceeded. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Settings": {
"type": "structure",
"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",

"traits": {
"smithy.api#documentation": " The subnets defined for the registered identity provider. ",
"smithy.api#length": {
"min": 1
},
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound
TCP port 1688 communication between resources in\n\t\t\tyour VPC and the VPC endpoint for activation
servers. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings
such as the\n\t\t\tsubnets to provision VPC endpoints, and the security group ID that is associated with the
VPC\n\t\t\tendpoints. The security group should permit inbound TCP port 1688 communication from
resources\n\t\t\tin the VPC. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"

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            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Starts a product subscription for a user with the specified identity
provider.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related costs
will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing status)
in Amazon Web Services Billing. For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n\t\t\t\tmonthly
charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/StartProductSubscription"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
        "type":
 "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code>
 | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>",
                    "smithy.api#required": {}
```

```
            }
        },
        "Domain": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The domain name of the  Active Directory that contains the user
for whom to start the product \n\t\t\tsubscription.</p>"
            }
        },
        "Tags": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
            "traits": {
                "smithy.api#documentation": "<p>The tags that apply to the product subscription.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse":
{
    "type": "structure",
    "members": {
        "ProductUserSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
            "traits": {
                "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
    },

"errors": [
        {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],

"traits": {
"smithy.api#documentation": " Stops a product subscription for a user with the specified identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StopProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. "
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. "
}
},

"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n
Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
"
}
},
"ProductUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the product user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The
domain name of the Active Directory that contains the user for whom to stop the product \n\t\t\tsubscription. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription
operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String"
}

```
},
"com.amazonaws.licensemanagerusersubscriptions#Subnet": {
    "type": "string",
    "traits": {
        "smithy.api#pattern": "^subnet-[a-z0-9]{8,17}"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#Subnets": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#TagKeyList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 50
        },
        "smithy.api#sensitive": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#TagResource": {

"type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Adds tags to a resource.</p>",
```

```
            "smithy.api#http": {
                "method": "PUT",
                "uri": "/tags/{ResourceArn}"
            },

        "smithy.api#idempotent": {}
            }
        },
        "com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest": {
            "type": "structure",
            "members": {
                "ResourceArn": {
                    "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
                    "traits": {
                        "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want
to tag.</p>",
                        "smithy.api#httpLabel": {},
                        "smithy.api#required": {}
                    }
                },
                "Tags": {
                    "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
                    "traits": {
                        "smithy.api#documentation": "<p>The tags to apply to the specified resource.</p>",
                        "smithy.api#required": {}
                    }
                }
            },
            "traits":
 {
                "smithy.api#input": {}
            }
        },
        "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse": {
            "type": "structure",
            "members": {},
            "traits": {
                "smithy.api#output": {}
            }
        },
        "com.amazonaws.licensemanagerusersubscriptions#Tags": {
            "type": "map",
            "key": {
                "target": "smithy.api#String"
            },
            "value": {
                "target": "smithy.api#String"
            },
```

```
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }

    },
        "traits": {
            "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the
request.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Removes
 tags from a resource.</p>",
            "smithy.api#http": {
                "method": "DELETE",
                "uri": "/tags/{ResourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
```

"com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource that you want to remove tags from. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanagerusersubscriptions#TagKeyList",
"traits": {

"smithy.api#documentation": " The tag keys to remove from the resource. ",
"smithy.api#httpQuery": "tagKeys",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates additional product configuration settings for the registered
identity\n\t\t\tprovider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/UpdateIdentityProviderSettings"
            },
            "smithy.api#idempotent": {}

    }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider"
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
                }
            },
            "IdentityProviderArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the
 identity provider to update.</p>"
                }
            },
            "UpdateSettings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
                "traits": {
                    "smithy.api#documentation": "<p>Updates the registered identity providers product related
configuration settings. You can\n\t\t\tupdate any combination of settings in a single operation such as the:</p>\n
<ul>\n            <li>\n                <p>Subnets which you want to add to provision VPC endpoints.</p>\n            </li>\n
```

```
<li>\n <p>Subnets which you want to remove the VPC endpoints from.</p>\n </li>\n
<li>\n <p>Security group ID which permits traffic to the VPC endpoints.</p>\n </li>\n </ul>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {

  "smithy.api#input": {}
    }
  },
  "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
    "type": "structure",
    "members": {
      "IdentityProviderSummary": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
        "traits": {
          "smithy.api#required": {}
        }
      }
    },
    "traits": {
      "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
    "type": "structure",
    "members": {
      "AddSubnets": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
        "traits": {
          "smithy.api#documentation": "<p>The ID of one or more subnets in which License Manager will
create a VPC endpoint
 for products that\n\t\t\trequire connectivity to activation servers.</p>",
          "smithy.api#required": {}
        }
      },
      "RemoveSubnets": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
        "traits": {
          "smithy.api#documentation": "<p>The ID of one or more subnets to remove.</p>",
          "smithy.api#required": {}
        }
      },
      "SecurityGroupId": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
        "traits": {
          "smithy.api#documentation": "<p>A security group ID that allows inbound TCP port 1688
```

communication between resources in\n\t\t\tyour VPC and the VPC endpoints for activation servers. "
}
}
},
"traits": {
"smithy.api#documentation":
" Updates the registered identity providers product related configuration settings such as\n\t\t\tthe subnets to provision VPC endpoints. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " A parameter is not valid. ",
"smithy.api#error": "client"
}
}
}
}

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
```

```
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
```

```
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack,
options, "ListLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
```

```
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
 err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil
 {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
```

```
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "ListLicenses",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string
```

// Unique, case-sensitive identifier that you provide to ensure the idempotency of
// the request.
//
//
This member is required.
ClientToken *string

// Configuration for consumption of the license. Choose a provisional
// configuration for workloads running with continuous connectivity. Choose a
// borrow configuration for workloads with offline usage.
//
// This member is required.
ConsumptionConfiguration *types.ConsumptionConfiguration

// License entitlements.
//
// This member is required.
Entitlements []types.Entitlement

// Home Region for the license.
//
// This member is required.
HomeRegion *string

// License issuer.
//
// This member is required.
Issuer *types.Issuer

// License name.
//
// This member is required.
LicenseName *string

// Product name.
//
// This member is required.
ProductName *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// Date and time range during which the license is valid, in ISO8601-UTC format.
//
// This member is required.

```
 Validity *types.DatetimeRange

 // Information about
 the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if
 err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
```

```
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err
= addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
```

```
middleware.Before); err != nil {
 return err
 }
 if err = addRecursionDetection(stack); err != nil {
 return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
 return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
 return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
 return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
 return err
 }
 if err = addSpanBuildRequestStart(stack);
 err != nil {
 return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
```

```
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
```

```
err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if
err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if
 err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
```

```
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
 }
}
ListLicenses
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
```

```
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
```

```
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err
 != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
```

```
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options);
 err != nil {
  return err
 }
 if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
```

```
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
CheckoutLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
```

GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
DisassociateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader

setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AssociateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper

```
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
```

```
// [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
//
// This member is required.
DigitalSignatureMethod types.DigitalSignatureMethod

// License entitlements. Partial checkouts are not supported.
//
// This member is required.
Entitlements []types.EntitlementData

// Amazon Resource Name (ARN) of the license. The license must use the borrow
// consumption configuration.
//
// This member is required.
LicenseArn *string

// Information about constraints.
CheckoutMetadata []types.Metadata

// Node ID.
NodeId *string

noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

// Information about constraints.
CheckoutMetadata []types.Metadata

// Allowed license entitlements.
EntitlementsAllowed
[]types.EntitlementData

// Date and time at which the license checkout expires.
Expiration *string

// Date and time at which the license checkout is issued.
IssuedAt *string

// Amazon Resource Name (ARN) of the license.
LicenseArn *string

// License consumption token.
LicenseConsumptionToken *string

// Node ID.
NodeId *string
```

```
 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
```

```
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
 err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
```

```
 if err = addDisableHTTPSMiddleware(stack, options);
 err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
CheckInLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
```

ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AWS SDK for Go
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ListReceivedLicenses
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash

```
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {
```

```
 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err !=
 nil {
  return err
 }
```

```
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err
!= nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if
 err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
CreateLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
```

SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "shapes": {
      "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
          "type": "integer"
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
          "type": "long"
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
          "type": "operation",
          "input": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions \n\t\t\tregistered to your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/DeregisterSubscriptionProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the subscription provider resource to deregister. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {

"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
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"com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of name to filter by. "
}
},
"Values": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " One or more values for the name to filter by. "
}
},
"Operator": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
"traits": {
"smithy.api#documentation": " An operator for filtering results. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria. "
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
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"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"

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        "errors": [
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                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
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            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
             },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Get details for a Bring Your Own License (BYOL) subscription that's
registered to your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/GetRegisteredSubscriptionProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation":
 "<p>The Amazon Resource Name (ARN) of the BYOL registration resource to get details for.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
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        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
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"smithy.api#documentation": " The Amazon Resource Name (ARN) for the BYOL registration resource specified in the request. "
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},
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

"traits": {
"smithy.api#documentation": " The subscription provider for the BYOL registration resource specified \n\t\t\tin the request. "
}
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"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " The status of the Linux subscription provider access token from the last \n\t\t\tsuccessful subscription data request. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The detailed message from your subscription provider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time License Manager retrieved subscription details \n\t\t\tfrom your registered third-party Linux subscription provider. "
}
}
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"traits": {
"smithy.api#output": {}
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
"type": "operation",
"input": {

"target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
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{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
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"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions service settings for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetServiceSettings"

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"smithy.api#idempotent": {}
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
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"members": {}
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"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " Lists
the settings defined for Linux subscriptions discovery. The settings include if\n Organizations integration has
been enabled, and which Regions data will be aggregated from. "
}

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            },
            "Status": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
                "traits": {
                    "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
                }
            },
            "HomeRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                 "traits": {
                    "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
        "type": "structure",
        "members": {
            "AmiId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
                }
            },
            "InstanceID": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
                }
            },
            "InstanceType": {
                "target": "smithy.api#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>The instance type of the resource.</p>"
                }
            },
            "AccountID": {
                "target": "smithy.api#String",
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"traits": {
"smithy.api#documentation": " The account ID which owns the instance. "
}
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"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the instance. "
}
},
"Region": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},
"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the license subscription that the instance uses. "
}
},
"OsVersion": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The operating system software version that runs on your instance. "
}
},
"SubscriptionProviderCreateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp when you registered the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses. "
}
},
"SubscriptionProviderUpdateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that the instance synced with the registered \n\t\t\tthird-party Linux subscription provider. "
}
},
"DualSubscription": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Indicates that you have two different license subscriptions for \n\t\t\tthe same software on your instance. "
}
},
"RegisteredWithSubscriptionProvider": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " Indicates that your instance uses a BYOL license subscription from \n\t\t\ta third-party Linux subscription provider that you've registered with License Manager. "
}
}
},
"traits": {
"smithy.api#documentation": " Details discovered information about a running instance using Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {

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        "type": "structure",
        "members": {
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            "target": "smithy.api#String"
          }
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        "traits": {
          "smithy.api#documentation":
"<p>An exception occurred with the service.</p>",
          "smithy.api#error": "server"
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
        "type": "service",
        "version": "2018-05-10",
        "operations": [
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            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
           },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
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        }
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    "traits": {
        "aws.api#service": {
            "sdkId": "License Manager Linux Subscriptions",
             "arnNamespace": "license-manager-linux-subscriptions",
            "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
        },
        "aws.auth#sigv4": {
            "name": "license-manager-linux-subscriptions"
        },
        "aws.protocols#restJson1": {},
        "smithy.api#cors": {
            "additionalAllowedHeaders": [
                "*",
                "content-type",
                "x-amz-content-sha256",
                "x-amz-user-agent",
                "x-amzn-platform-id",
                "x-amzn-trace-id"
            ],
            "additionalExposedHeaders": [
                "x-amzn-errortype",
                "x-amzn-requestid",
                "x-amzn-trace-id"
            ]
        },
        "smithy.api#documentation": "<p>With License Manager,
you can discover and track your commercial Linux subscriptions on running\n      Amazon EC2 instances.</p>",
        "smithy.api#title": "AWS License Manager Linux Subscriptions",
        "smithy.rules#endpointRuleSet": {
            "version": "1.0",
            "parameters": {
                "Region": {
                    "builtIn": "AWS::Region",
                    "required": false,
                    "documentation": "The AWS region used to dispatch the request.",
                    "type": "String"
                },
                "UseDualStack": {
                    "builtIn": "AWS::UseDualStack",
                    "required": true,
                    "default": false,
                    "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
                     "type": "Boolean"
                },
                "UseFIPS": {
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"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
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"fn": "isSet",
"argv": [
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"ref": "Endpoint"
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"conditions": [
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"argv": [
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"ref": "UseFIPS"
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"type": "error"
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                    {
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                        "argv": [
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                                "ref": "UseDualStack"
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                    "type": "error"
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                                "ref": "Region"
                            }
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"assign": "PartitionResult"
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"argv": [
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"ref": "UseFIPS"
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"argv": [
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"ref": "UseDualStack"
},
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"argv": [
true,
{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"

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},
                "supportsFIPS"
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    ]
},
{
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    "argv": [
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            "fn": "getAttr",
            "argv": [

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                "ref": "PartitionResult"
            },
            "supportsDualStack"
        ]
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    ]
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"rules": [
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fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                "properties": {},
                "headers": {}
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            "type": "endpoint"
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"endpoint": {
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"headers": {}

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"error": "Invalid Configuration: Missing Region",
"type": "error"
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],
"type": "tree"
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"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"

}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
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"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
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"UseDualStack": false
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"expect": {
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"url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
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"params": {
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"UseDualStack": false
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"url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
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"params": {
"Region": "cn-north-1",
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}
},
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"expect": {
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"url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
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"UseDualStack": false
}
},
{

"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",

"UseFIPS": true,
"UseDualStack": true
}
},
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
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"endpoint": {
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"params": {
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
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"endpoint": {
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"params": {
"Region": "us-gov-east-1",
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"UseDualStack": false
}
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {

"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"UseDualStack": true
}
},
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"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
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"url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
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"Region": "us-iso-east-1",
"UseFIPS":
false,
"UseDualStack": false
}
},

```
{
  "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
  "expect": {
    "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
  },
  "params": {
    "Region": "us-isob-east-1",
    "UseFIPS": true,
    "UseDualStack": true
  }
},
{
  "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
  "expect": {
    "endpoint": {
      "url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
    }
  },
  "params": {
    "Region": "us-isob-east-1",
    "UseFIPS": true,
    "UseDualStack": false
  }
},
{
  "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
  "expect": {
    "error": "DualStack is enabled but this partition does not support DualStack"
  },
  "params": {
    "Region": "us-isob-east-1",
    "UseFIPS": false,
    "UseDualStack": true
  }
},
{

  "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
  "expect": {
    "endpoint": {
      "url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
    }
  },
  "params": {
    "Region": "us-isob-east-1",
    "UseFIPS": false,
    "UseDualStack": false
  }
```

```
            },
            {
              "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://example.com"
                }

        },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
            },
            {
              "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
              "expect": {
                "endpoint": {
                  "url": "https://example.com"
                }
              },
              "params": {
                "UseFIPS": false,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
            },
            {

              "documentation": "For custom endpoint with fips enabled and dualstack disabled",
              "expect": {
                "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
            },
            {
              "documentation": "For custom endpoint with fips disabled and dualstack enabled",
              "expect": {
                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
              },
```

"params": {

"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled LinuxSubscriptionsDiscovery"

},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled LinuxSubscriptionsDiscovery"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
"type": "structure",
"members": {
"SourceRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Regions in which to discover data for Linux subscriptions. ",
"smithy.api#required": {}
}
},

"OrganizationIntegration": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
"traits": {
"smithy.api#documentation":
" Details if you have enabled resource discovery across your accounts in Organizations. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Lists the settings defined for discovering Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptionInstances"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Instances"
}

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":
 {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results by your
specified criteria. \n    \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the
\n    \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n
\t<code>Value</code>, such as <code>us-west</code>.</p>\n        <p>For each filter, you can specify one of the
following values for the <code>Name</code> key \n    \tto streamline results:</p>\n        <ul>\n            <li>\n
   <p>\n                <code>AccountID</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
      <code>AmiID</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>DualSubscription</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>InstanceID</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>InstanceType</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>ProductCode</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>Region</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>Status</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>UsageOperation</code>\n            </p>\n            </li>\n        </ul>\n        <p>For each filter, you can use
one of the following <code>Operator</code>
 values to \n  \t\tdefine the behavior of the filter:</p>\n        <ul>\n            <li>\n            <p>\n
<code>contains</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>equals</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>Notequal</code>\n            </p>\n            </li>\n        </ul>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to
 start paginating. This \n\tis the nextToken from a previously truncated response.</p>",
                    "smithy.api#length": {
                        "min": 1,
                        "max": 16384
                    }
                }
            }
        },
```

"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
"type": "structure",
"members": {
"Instances": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
"traits": {
"smithy.api#documentation": " An array that contains instance objects. "
}
},
"NextToken": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations. ",

"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptions"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",

"items": "Subscriptions"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't match a certain subscription's name. \n The valid names for this filter are: \n \n \n \n <code>Subscription</code>\n \n \n \n The
valid Operators for this filter are: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis
the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}

```
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
        "type": "structure",
        "members": {
          "Subscriptions": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
            "traits": {
              "smithy.api#documentation": "<p>An array that contains subscription objects.</p>"
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
             "traits": {
              "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
          }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>List Bring Your Own License (BYOL) subscription registration
resources for your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListRegisteredSubscriptionProviders"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "RegisteredSubscriptionProviders"
            }
        }

    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSources": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
                "traits": {
                    "smithy.api#documentation": "<p>To filter your results, specify which subscription providers to
return \n\t\t\tin the list.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>",
                    "smithy.api#range": {
                        "min": 1,
                        "max": 100
                    }
                }

  },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis the
nextToken from a previously truncated response.</p>"
                }
            }
        },
```

"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
"type": "structure",
"members": {
"RegisteredSubscriptionProviders": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
"traits": {
"smithy.api#documentation": " The list of BYOL registration resources that fit the criteria \n\t\t\tyou specified in the request. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],

"traits": {
"smithy.api#documentation": " List the metadata tags that are assigned to the \n\t\t\tspecified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "GET",
"uri": "/tags/{resourceArn}"
},
"smithy.api#readonly": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource for which to list metadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
"type": "structure",
"members": {
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags for the requested resource. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "EQUAL",
"value": "Equal",

"documentation": "Equal operator"
},
{
"name": "NOT_EQUAL",
"value": "NotEqual",
"documentation": "Not equal operator"
},
{
"name": "CONTAINS",
"value": "Contains",
"documentation": "Contains operator"
}
],
"smithy.api#length": {
"min": 1,
"max": 20
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled OrganizationIntegration"
},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled OrganizationIntegration"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
"type": "list",
"member": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"

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        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Register the supported third-party subscription provider for your Bring
Your Own License (BYOL) subscription.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/RegisterSubscriptionProvider"

            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation": "<p>The supported Linux subscription provider to register.</p>",
                    "smithy.api#required": {}
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the secret where you've
stored your subscription provider's access token. For \n\t\t\tRHEL subscriptions managed through the
Red Hat Subscription Manager (RHSM), the secret contains \n\t\t\tyour Red Hat Offline token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
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"traits": {
"smithy.api#documentation": " The metadata tags to assign to your registered Linux subscription provider \n\t\t\tresource. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " The Linux subscription provider that you registered. "
}
},
"SubscriptionProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " Indicates the status of the registration action for the Linux subscription provider \n\t\t\tthat you requested. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "

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            }
        },
        "SubscriptionProviderSource": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
            "traits": {
                "smithy.api#documentation": "<p>A supported third-party Linux subscription provider. License
Manager currently supports \n\t\t\tRed Hat subscriptions.</p>"
            }
        },
        "SecretArn": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
             "traits": {
                "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Secrets Manager secret
that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is
the offline token.</p>"
            }
        },
        "SubscriptionProviderStatus": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
            "traits": {
                "smithy.api#documentation": "<p>Indicates the status of your registered Linux subscription provider
access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions,
\n\t\t\tthis is the status of the offline token.</p>"
            }
        },
        "SubscriptionProviderStatusMessage": {
            "target": "smithy.api#String",
            "traits":
 {
                "smithy.api#documentation": "<p>A detailed message that's associated with your BYOL subscription
\n\t\t\tprovider token status.</p>"
            }
        },
        "LastSuccessfulDataRetrievalTime": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The timestamp from the last time that License Manager accessed
third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>A third-party provider for operating system (OS) platform software and
license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider,
License Manager can get subscription data from the registered provider.</p>"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
```

```
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Unable to find the requested Amazon Web Services resource.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-
\\.]{0,63}:secret:[^/]{1,1023}$"

    }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "InProgress",
                    "value": "InProgress",
                    "documentation": "InProgress status"
                },
                {
                    "name": "Completed",
                    "value": "Completed",
                    "documentation": "Completed status"
                },
                {
                    "name": "Successful",
                    "value": "Successful",
                    "documentation": "Successful status"
                },
                {
                    "name": "Failed",
                    "value": "Failed",
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```
                "documentation": "Failed status"
            }
        ]
    }
},

"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String",
        "traits": {
            "smithy.api#length": {
                "min": 1,
                "max": 100
            }
        }
    },
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 100
        },
        "smithy.api#uniqueItems": {}
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
    "type": "map",
    "key": {
        "target": "smithy.api#String"
    },
    "value": {
        "target": "smithy.api#String"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
    "type": "structure",
    "members": {
        "Name":
{
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The name of the subscription.</p>"
            }
        },
        "Type": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included
```

with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS. "
}
},
"InstanceCount": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
"traits": {
"smithy.api#documentation": " The total amount of running instances using this subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " An object which details a discovered Linux subscription. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
"type": "string",
"traits": {
"smithy.api#enum": [

{
"name": "RedHat",
"value": "RedHat",
"documentation": "RedHat subscription provider namespace"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
}

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "ACTIVE",
                    "value": "ACTIVE",
                    "documentation": "ACTIVE status"
                },
                {
                    "name": "INVALID",
                    "value": "INVALID",

"documentation": "INVALID status"
                },
                {
                    "name": "PENDING",
                    "value": "PENDING",
                    "documentation": "PENDING status"
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
        "type": "list",
        "member": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Add metadata tags to the specified Amazon Web Services
resource.</p>",
            "smithy.api#http": {
                "method": "PUT",
                "uri": "/tags/{resourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
        "type": "structure",
        "members":
 {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to which to add the specified \n\t\t\tmetadata tags.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags to assign to the Amazon Web Services resource.
Tags are \n\t\t\tformatted as key value pairs.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }

    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
        "type": "structure",
        "members": {},
```

```
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
        "value": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation":
"<p>The request was denied due to request throttling.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web
Services resource.</p>",
             "smithy.api#http": {
                "method": "DELETE",
                "uri": "/tags/{resourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
        "type": "structure",
        "members": {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to remove the metadata tags from.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "tagKeys": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
                "traits": {

            "smithy.api#documentation": "<p>A list of metadata tag keys to remove from the requested
\n\t\t\tresource.</p>",
                    "smithy.api#httpQuery": "tagKeys",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
        "type": "operation",
        "input": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"

},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates the service settings for Linux subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/UpdateServiceSettings"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Describes if the discovery of Linux subscriptions is enabled. ",
"smithy.api#required": {}
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. ",
"smithy.api#required": {}
}
},
"AllowUpdate": {
"target":

"smithy.api#Boolean",
"traits": {
"smithy.api#documentation": " Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}

},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}

```
            }
        },
        "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
            "type": "structure",
            "members": {
                "message": {
                    "target": "smithy.api#String"
                }
            },
            "traits": {
                "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
                "smithy.api#error": "client"
            }
        }
    }
}
```


GetLicense

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

spanInitializeEnd

Serialize stack step

spanBuildRequestStart

setOperationInput

ResolveEndpoint

OperationSerializer

Build stack step

ClientRequestID

ComputeContentLength

UserAgent

AddTimeOffsetMiddleware

RecursionDetection

spanBuildRequestEnd

Finalize stack step

ResolveAuthScheme

GetIdentity

ResolveEndpointV2

disableHTTPS

ComputePayloadHash

spanRetryLoop

Retry

RetryMetricsHeader

setLegacyContextSigningOptions

Signing

Deserialize stack step

AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckoutBorrowLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware

RecordResponseTiming
RequestResponseLogger
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// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
```

```
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
```

```
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
```

```
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack,
 c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
```

```
 return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err !=
 nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
```

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limitations under the License.
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
   - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
```

```
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
```

```
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err =
 addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
```

```
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err !=
 nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
DeleteLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
```

OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "metadata": {
      "suppressions": [
          {
              "id": "HttpMethodSemantics",
              "namespace": "*"
          },
          {
              "id": "HttpResponseCodeSemantics",
              "namespace": "*"
          },
          {
              "id": "PaginatedTrait",
              "namespace": "*"
          },
          {
              "id": "HttpHeaderTrait",
              "namespace": "*"
```

```
        },
        {
            "id": "HttpUriConflict",
            "namespace": "*"
        },
        {
            "id": "Service",
            "namespace": "*"
        }
    ]
},
"shapes": {
    "com.amazonaws.licensemanager#AWSLicenseManager": {
        "type": "service",
        "version": "2018-08-01",
        "operations": [
            {
                "target": "com.amazonaws.licensemanager#AcceptGrant"
            },

 {
                "target": "com.amazonaws.licensemanager#CheckInLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CheckoutLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateGrant"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateGrantVersion"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
             },
            {
```

"target": "com.amazonaws.licensemanager#CreateLicenseVersion"
},
{
"target": "com.amazonaws.licensemanager#CreateToken"
},
{
"target": "com.amazonaws.licensemanager#DeleteGrant"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicense"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#DeleteToken"
},
{
"target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

},
{
"target": "com.amazonaws.licensemanager#GetAccessToken"
},
{
"target": "com.amazonaws.licensemanager#GetGrant"
},
{
"target": "com.amazonaws.licensemanager#GetLicense"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseUsage"
},
{
"target": "com.amazonaws.licensemanager#GetServiceSettings"
},

{
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#ListDistributedGrants"
},
{
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
},
{
"target": "com.amazonaws.licensemanager#ListLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
},
{

"target": "com.amazonaws.licensemanager#ListLicenseVersions"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedGrants"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
},
{
"target": "com.amazonaws.licensemanager#ListResourceInventory"
},
{
"target": "com.amazonaws.licensemanager#ListTagsForResource"
},
{
"target": "com.amazonaws.licensemanager#ListTokens"

```
            },
            {
                "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
            },
            {
                "target": "com.amazonaws.licensemanager#RejectGrant"
            },
            {
                "target": "com.amazonaws.licensemanager#TagResource"
            },
            {
                "target": "com.amazonaws.licensemanager#UntagResource"
            },
            {
                "target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
            },
            {
                "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
            },
            {
                "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
            },
            {
                "target": "com.amazonaws.licensemanager#UpdateServiceSettings"
            }
        ],
        "traits": {
            "aws.api#service": {
                "sdkId": "License Manager",
                "arnNamespace": "license-manager",
                "cloudFormationName": "LicenseManager",
                "cloudTrailEventSource": "licensemanager.amazonaws.com",
                "endpointPrefix": "license-manager"
            },
            "aws.auth#sigv4": {
                "name": "license-manager"
            },
            "aws.protocols#awsJson1_1": {},
            "smithy.api#documentation": "<p>License Manager makes it easier to manage licenses from software
vendors across multiple \n        Amazon Web Services accounts and on-premises servers.</p>",
            "smithy.api#title": "AWS License Manager",
            "smithy.api#xmlNamespace": {
                "uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
            },
            "smithy.rules#endpointRuleSet": {
                "version": "1.0",
                "parameters": {
```

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            "Region": {
              "builtIn": "AWS::Region",
              "required": false,
              "documentation": "The AWS region used to dispatch the request.",
              "type": "String"
            },
            "UseDualStack": {
              "builtIn": "AWS::UseDualStack",
              "required": true,
              "default": false,
              "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
              "type": "Boolean"
            },
            "UseFIPS": {
              "builtIn": "AWS::UseFIPS",
              "required": true,
              "default": false,
              "documentation": "When true, send
 this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant
endpoint, dispatching the request will return an error.",
              "type": "Boolean"
            },
            "Endpoint": {
              "builtIn": "SDK::Endpoint",
              "required": false,
              "documentation": "Override the endpoint used to send this request",
              "type": "String"
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              "conditions": [
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                  "argv": [
                    {
                      "ref": "Endpoint"
                    }
                  ]

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              ],
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              "rules": [
                {
                  "conditions": [
                    {
```

```
                "fn": "booleanEquals",
                "argv": [
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              }
            ],
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            "type": "error"
          },
          {

"conditions": [
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                "fn": "booleanEquals",
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                    "ref": "UseDualStack"
                  },
                  true
                ]
              }
            ],
            "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
            "type": "error"
          },
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                "ref": "Endpoint"
              },
              "properties": {},
              "headers": {}
            },
            "type": "endpoint"
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        ]
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            "argv": [
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                "ref": "Region"
```

```
                }
            ]
        }
    ],
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    "rules": [
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                    "argv": [
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                        }
                    ],
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                }
            ],
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"UseFIPS"
                                },
                                true
                            ]
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                            "argv": [
                                {
                                    "ref": "UseDualStack"
                                },
                                true
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"argv": [
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"ref": "PartitionResult"
},
"supportsFIPS"
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{
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"argv": [
{
"ref": "PartitionResult"
},

"supportsDualStack"
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}
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"type": "tree",
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"conditions": [],
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fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}

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"conditions": [],

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"type": "error"
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"conditions": [
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"argv": [
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"conditions": [
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"argv": [
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{
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"argv": [
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"headers": {}
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"conditions": [
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"argv": [
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"supportsDualStack"
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"type": "tree",

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manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
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"headers": {}

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"type": "error"
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"conditions": [],
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"properties": {},
"headers": {}
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"type": "endpoint"
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{
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"type": "error"
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"smithy.rules#endpointTests": {
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"documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint":

{
"url": "https://license-manager.af-south-1.amazonaws.com"
}
},
"params": {
"Region": "af-south-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-east-1.amazonaws.com"
}
},
"params": {
"Region": "ap-east-1",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-northeast-1.amazonaws.com"
}
},
"params": {
"Region": "ap-northeast-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-northeast-2.amazonaws.com"
}
},
"params": {
"Region": "ap-northeast-2",
"UseFIPS": false,
"UseDualStack": false
}

```
        },
        {
          "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-northeast-3.amazonaws.com"
            }
          },
          "params": {
            "Region": "ap-northeast-3",
            "UseFIPS": false,
            "UseDualStack": false
          }

    },
        {
          "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-south-1.amazonaws.com"
            }
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          "params": {
            "Region": "ap-south-1",
            "UseFIPS": false,
            "UseDualStack": false
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        {
          "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-southeast-1.amazonaws.com"

     }
          },
          "params": {
            "Region": "ap-southeast-1",
            "UseFIPS": false,
            "UseDualStack": false
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          "documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-southeast-2.amazonaws.com"
            }
```

```
            },
            "params": {
                "Region": "ap-southeast-2",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
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"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-southeast-3.amazonaws.com"
                }
            },
            "params": {
                "Region": "ap-southeast-3",
                "UseFIPS": false,
                "UseDualStack": false
            }
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            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ca-central-1.amazonaws.com"
                }
            },

         "params": {
                "Region": "ca-central-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
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            "documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.eu-central-1.amazonaws.com"
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            "params": {
                "Region": "eu-central-1",
                "UseFIPS": false,
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```

{
"documentation": "For region eu-north-1 with FIPS
disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-north-1.amazonaws.com"
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},
"params": {
"Region": "eu-north-1",
"UseFIPS": false,
"UseDualStack": false
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},
{
"documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
"expect": {
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"params": {
"Region":
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"UseDualStack": false
}
},
{
"documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager.eu-west-1.amazonaws.com"
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"params": {
"Region": "eu-west-1",
"UseFIPS": false,
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{
"documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
"expect": {

"endpoint": {
"url": "https://license-manager.eu-west-2.amazonaws.com"
}

```
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        "expect": {
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          "Region": "eu-west-3",
          "UseFIPS": false,

"UseDualStack": false
        }
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        "documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
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            "url": "https://license-manager.me-south-1.amazonaws.com"
          }
        },
        "params": {
          "Region": "me-south-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
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        "documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.sa-east-1.amazonaws.com"
           }
        },
        "params": {
          "Region": "sa-east-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
      },
      {
```

"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-east-1.amazonaws.com"
}
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}

},
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-east-2.amazonaws.com"
}

},
"params": {
"Region": "us-east-2",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-2.amazonaws.com"
}
},
"params": {

"Region": "us-east-2",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region
us-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-west-1.amazonaws.com"
}
},
"params": {

"Region": "us-west-1",
"UseFIPS": true,
"UseDualStack": false
}
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{
"documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-west-2.amazonaws.com"
}
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"params": {
"Region": "us-west-2",
"UseFIPS": false,
"UseDualStack": false
}
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"documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",

"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-west-2.amazonaws.com"
}
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"params": {
"Region": "us-west-2",
"UseFIPS": true,
"UseDualStack": false
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{
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"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,

"UseDualStack": true
}
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{
"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
}
},
"params": {

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            "Region": "cn-north-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
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        "documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
            }
        },
        "params": {
            "Region": "cn-northwest-1",
            "UseFIPS": false,
            "UseDualStack": false

}
    },
    {
        "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
            }
        },
        "params": {
            "Region": "cn-north-1",
            "UseFIPS": true,
            "UseDualStack": true
        }
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        "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
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        },
        "params": {
            "Region": "cn-north-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
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        "expect": {
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            }
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        "params": {
            "Region": "cn-north-1",
            "UseFIPS": false,
            "UseDualStack": true
        }
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{
        "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-gov-east-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
            }
         },
        "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-gov-west-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "us-gov-west-1",
            "UseFIPS": false,
            "UseDualStack": false
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                    }
                },
                "params": {
                    "Region": "us-gov-west-1",
                    "UseFIPS": true,
                    "UseDualStack": false
                }
            },
            {
                "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
                "expect": {
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                    }
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                    "UseFIPS": true,
                    "UseDualStack": true
                }
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                "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager.us-gov-east-1.api.aws"
                    }
                },
                "params": {
                    "Region": "us-gov-east-1",
                    "UseFIPS": false,
                    "UseDualStack": true
                }
            },
            {
                "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
                "expect": {
                    "endpoint": {
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"url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled
but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {

"endpoint": {
"url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},

{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
}
},

"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,

"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {

"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
"output": {
"target": "com.amazonaws.licensemanager#AcceptGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"

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    }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant
ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
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    "com.amazonaws.licensemanager#AccessDeniedException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
                "httpResponseCode": 401
            },
            "smithy.api#documentation": "<p>Access to resource denied.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 401
        }
    },
    "com.amazonaws.licensemanager#ActivationOverrideBehavior": {
        "type": "enum",
        "members": {
            "DISTRIBUTED_GRANTS_ONLY": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
                }
            },
            "ALL_GRANTS_PERMITTED_BY_ISSUER": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#AllowedOperation": {

   "type": "enum",
        "members": {
            "CREATE_GRANT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CreateGrant"
                }
            },
            "CHECKOUT_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
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"smithy.api#enumValue": "CheckoutLicense"
}
},
"CHECKOUT_BORROW_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutBorrowLicense"
}
},
"CHECK_IN_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckInLicense"
}
},
"EXTEND_CONSUMPTION_LICENSE":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ExtendConsumptionLicense"
}
},
"LIST_PURCHASED_LICENSES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ListPurchasedLicenses"
}
},
"CREATE_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateToken"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperationList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#AllowedOperation"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max":
7
}
}

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    },
    "com.amazonaws.licensemanager#Arn": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 2048
            },
            "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-
z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
        }
    },
    "com.amazonaws.licensemanager#ArnList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Arn"
        }
    },
    "com.amazonaws.licensemanager#AuthorizationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError":
 {
                "code": "AuthorizationFailure",
                "httpResponseCode": 403
            },
            "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to
perform the action. Check the IAM\n        policy associated with this account.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 403
        }
    },
    "com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
        "type": "structure",
        "members": {
            "LastRunTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
                }
            }
        },
        "traits": {
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"smithy.api#documentation": " Describes automated discovery. "
}
},

"com.amazonaws.licensemanager#Boolean": {
"type": "boolean",
"traits": {
"smithy.api#default": false
}
},
"com.amazonaws.licensemanager#BorrowConfiguration": {
"type": "structure",
"members": {
"AllowEarlyCheckIn": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether early check-ins are allowed. ",
"smithy.api#required": {}
}
},
"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the borrow configuration, in minutes. ",
"smithy.api#required": {}
}
}

},
"traits": {
"smithy.api#documentation": " Details about a borrow configuration. "
}
},
"com.amazonaws.licensemanager#BoxBoolean": {
"type": "boolean"
},
"com.amazonaws.licensemanager#BoxInteger": {
"type": "integer"
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"com.amazonaws.licensemanager#BoxLong": {
"type": "long"
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"com.amazonaws.licensemanager#CheckInLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks in the specified license. Check in a license when it is no longer in use. "
}
},
"com.amazonaws.licensemanager#CheckInLicenseRequest":
{
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " License beneficiary. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckInLicenseResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{
"target":
"com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{

"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license for offline use. "
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
"type": "structure",
"members":
{
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The license must use the borrow consumption configuration. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. Partial checkouts are not supported. ",
"smithy.api#required": {}
}
},
"DigitalSignatureMethod": {
"target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
"traits": {
"smithy.api#documentation": " Digital signature method. The possible value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see RFC 7518 Digital Signature with RSASSA-PSS. ",
"smithy.api#required": {}
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "

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            }
          },
          "CheckoutMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
              "smithy.api#documentation": "<p>Information about constraints.</p>"
            }
          },
          "ClientToken": {
            "target": "com.amazonaws.licensemanager#ClientToken",
            "traits": {
              "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
          },
          "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>License consumption token.</p>"
            }
          },
          "EntitlementsAllowed":
{
            "target": "com.amazonaws.licensemanager#EntitlementDataList",
            "traits": {
              "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
            }
          },
          "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Node ID.</p>"
            }
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```
            },
            "SignedToken": {
                "target": "com.amazonaws.licensemanager#SignedToken",
                "traits": {
                    "smithy.api#documentation": "<p>Signed token.</p>"
                }
            },
            "IssuedAt": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
                }
            },
            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target":
 "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license.</p>\n        <note>\n            <p>If the
account that created the license is the same that is performing the check out, you must\n            specify the account
as the beneficiary.</p>\n        </note>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicenseRequest": {
        "type": "structure",
        "members": {
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product
 SKU.</p>",
                    "smithy.api#required": {}
                }
            },
            "CheckoutType": {
                "target": "com.amazonaws.licensemanager#CheckoutType",
                "traits": {
                    "smithy.api#documentation": "<p>Checkout type.</p>",
                    "smithy.api#required": {}
                }
            },
```

```
            "KeyFingerprint": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Key fingerprint identifying the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements.</p>",

        "smithy.api#required": {}
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            }
        },
        "traits": {

        "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicenseResponse": {
        "type": "structure",
        "members": {
            "CheckoutType": {
                "target": "com.amazonaws.licensemanager#CheckoutType",
                "traits": {
                    "smithy.api#documentation": "<p>Checkout type.</p>"
```

```
            }
        },
        "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License consumption token.</p>"
            }
        },
        "EntitlementsAllowed": {
            "target": "com.amazonaws.licensemanager#EntitlementDataList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
            }
        },
         "SignedToken": {
            "target": "com.amazonaws.licensemanager#SignedToken",
            "traits": {
                "smithy.api#documentation": "<p>Signed token.</p>"
            }
        },
        "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
            }
        },
        "IssuedAt": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
            }
        },
        "Expiration": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
            }
        },
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
```

```
    }
},
"com.amazonaws.licensemanager#CheckoutType": {
    "type": "enum",
    "members": {
        "PROVISIONAL": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PROVISIONAL"
            }
        },
        "PERPETUAL": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PERPETUAL"
            }
        }
    }
},
"com.amazonaws.licensemanager#ClientRequestToken": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 36
        }
    }
},
"com.amazonaws.licensemanager#ClientToken": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 2048
        },
        "smithy.api#pattern": "^\\S+$"
    }
},
"com.amazonaws.licensemanager#ConflictException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "ConflictException",
```

"httpResponseCode":
409
},
"smithy.api#documentation": " There was a conflict processing the request. Try your request again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 409
}
},
"com.amazonaws.licensemanager#ConsumedLicenseSummary": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Resource type of the resource consuming a license. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},

"traits": {
"smithy.api#documentation": " Details about license consumption. "
}
},
"com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
}
},
"com.amazonaws.licensemanager#ConsumptionConfiguration": {
"type": "structure",
"members": {
"RenewType": {
"target": "com.amazonaws.licensemanager#RenewType",
"traits": {
"smithy.api#documentation": " Renewal frequency. "
}
},
"ProvisionalConfiguration": {
"target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
"traits": {

"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"BorrowConfiguration": {
"target": "com.amazonaws.licensemanager#BorrowConfiguration",
"traits": {
"smithy.api#documentation": " Details about a borrow configuration. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about a consumption configuration. "
}
},
"com.amazonaws.licensemanager#CreateGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a grant for the specified license. A grant shares the use of

license\n entitlements with a specific Amazon Web Services account, an organization, or an\n organizational unit (OU). For more
information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#CreateGrantRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}

}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Principals": {
"target": "com.amazonaws.licensemanager#PrincipalArnList",
"traits": {
"smithy.api#documentation": " The grant principals. You can specify one of the following as an Amazon Resource Name\n (ARN): \n \n \n An Amazon Web Services account, which includes only the account specified. \n \n \n \n \n An organizational unit (OU), which includes all accounts in the OU. \n \n \n \n
\n An organization, which will include all accounts across your organization. \n \n ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

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                "smithy.api#documentation": "<p>Home Region of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "AllowedOperations": {
            "target": "com.amazonaws.licensemanager#AllowedOperationList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersion":
{
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
```

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        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
             },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information,
see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",

  "smithy.api#required": {}
                }
            },
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
```

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            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
            "smithy.api#required": {}
          }
        },
        "GrantName": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Grant name.</p>"
          }
        },
        "AllowedOperations": {
          "target": "com.amazonaws.licensemanager#AllowedOperationList",
          "traits": {
            "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
          }
        },
        "Status": {
          "target": "com.amazonaws.licensemanager#GrantStatus",
           "traits": {
            "smithy.api#documentation": "<p>Grant status.</p>"
          }
        },
        "StatusReason": {
          "target": "com.amazonaws.licensemanager#StatusReasonMessage",
          "traits": {
            "smithy.api#documentation": "<p>Grant status reason.</p>"
          }
        },
        "SourceVersion": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Current version of the grant.</p>"
          }
        },
        "Options": {
          "target": "com.amazonaws.licensemanager#Options",
          "traits": {
            "smithy.api#documentation": "<p>The options specified for the grant.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionResponse": {
      "type": "structure",
      "members": {
```

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            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>New version of the grant.</p>"
                }
            }
        },
        "traits":
{
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager. Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or
 all of these), license affinity  to host (how long a \n        license must be associated with a host), and the number of licenses purchased and used.</p>"
        }
```

```
    },
    "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
      "type": "structure",
      "members": {
        "Name": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Name of the license configuration.</p>",
            "smithy.api#required": {}
          }
        },
        "Description": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Description of the license configuration.</p>"
          }
        },
        "LicenseCountingType": {
          "target": "com.amazonaws.licensemanager#LicenseCountingType",
           "traits": {
            "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
            "smithy.api#required": {}
          }
        },
        "LicenseCount": {
          "target": "com.amazonaws.licensemanager#BoxLong",
          "traits": {
            "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
          }
        },
        "LicenseCountHardLimit": {
          "target": "com.amazonaws.licensemanager#BoxBoolean",
          "traits": {
            "smithy.api#documentation": "<p>Indicates whether hard or soft license enforcement is used.
Exceeding a hard limit\n        blocks the launch of new instances.</p>"
          }
        },
        "LicenseRules": {
          "target":
 "com.amazonaws.licensemanager#StringList",
          "traits": {
            "smithy.api#documentation": "<p>License rules. The syntax is #name=value (for example,
#allowedTenancy=EC2-DedicatedHost). The available rules \n        vary by dimension, as follows.</p>\n
<ul>\n        <li>\n        <p>\n        <code>Cores</code> dimension: <code>allowedTenancy</code> |\n
        <code>licenseAffinityToHost</code> |\n        <code>maximumCores</code> |
<code>minimumCores</code>\n        </p>\n        </li>\n        <li>\n        <p>\n
<code>Instances</code> dimension: <code>allowedTenancy</code> | \n        <code>maximumCores</code> |
<code>minimumCores</code> |\n        <code>maximumSockets</code> | <code>minimumSockets</code> |\n
```

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        <code>maximumVcpus</code> | <code>minimumVcpus</code>\n            </p>\n          </li>\n
<li>\n
  <p>\n                <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n
<code>licenseAffinityToHost</code> |\n            <code>maximumSockets</code> |
<code>minimumSockets</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n
<code>honorVcpuOptimization</code> | \n            <code>maximumVcpus</code> |
<code>minimumVcpus</code>\n            </p>\n          </li>\n        </ul>\n        <p>The unit for
<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n        values for
<code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n
<code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n
<code>True</code> and <code>False</code>.</p>"
            }
          },

  "Tags": {
            "target": "com.amazonaws.licensemanager#TagList",
            "traits": {
              "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
            }
          },
          "DisassociateWhenNotFound": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
              "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
            }
          },
          "ProductInformationList": {
            "target": "com.amazonaws.licensemanager#ProductInformationList",
            "traits": {
              "smithy.api#documentation": "<p>Product information.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
 {
        "type": "structure",
        "members": {
          "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
```

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            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {

                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting
the license type for.</p>",
                    "smithy.api#required": {}
```

```
            }
          },
          "SourceLicenseContext": {
            "target": "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
              "smithy.api#documentation": "<p>Information that identifies the license type you are converting
from. \n\n        For the structure of the source license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
              "smithy.api#required": {}
            }
          },
          "DestinationLicenseContext":
 {
            "target": "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
              "smithy.api#documentation": "<p>Information that identifies the license type you are converting to.
For the structure of the destination license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
        "type": "structure",
        "members": {
          "LicenseConversionTaskId": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

       "traits": {
              "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
        },
```

```
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
             },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "ReportGeneratorName":
{
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types an be
```

generated: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}

}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}

```
    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
      "type": "structure",
      "members": {
        "LicenseManagerReportGeneratorArn":
{
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the new report
generator.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#CreateLicenseRequest": {
      "type": "structure",
      "members": {
        "LicenseName": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>License name.</p>",
            "smithy.api#required": {}
          }
        },
        "ProductName": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Product
name.</p>",
            "smithy.api#required": {}
          }
        },
        "ProductSKU": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Product SKU.</p>",
            "smithy.api#required": {}
          }
        },
        "Issuer": {
          "target": "com.amazonaws.licensemanager#Issuer",
          "traits": {
            "smithy.api#documentation": "<p>License issuer.</p>",
            "smithy.api#required": {}
          }
```

```
            },
            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region for the license.</p>",
                    "smithy.api#required": {}

    }
            },
            "Validity": {
                "target": "com.amazonaws.licensemanager#DatetimeRange",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>",
                    "smithy.api#required": {}
                }
             },
            "ConsumptionConfiguration": {
                "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n          running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n          usage.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
```

```
                "traits": {
                    "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>"
                }
            },
            "Version": {
                 "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersion": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
             },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target":
"com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits":
{
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the license. ",
"smithy.api#required": {}
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}

```
            },

  "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>",
                    "smithy.api#required": {}
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the license.</p>"
                }
            }
        },
        "traits": {

 "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>License ARN.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>New version of the license.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>"
```

```
            }
          }
        },
        "traits": {
          "smithy.api#output":
{}
        }
      },
      "com.amazonaws.licensemanager#CreateToken": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#CreateTokenRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#CreateTokenResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#RedirectException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
          },

      {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n        <p>A refresh token is a JWT
token used to get an access token. With an access token,\n        you can call AssumeRoleWithWebIdentity to get
role credentials that you can use to \n        call License Manager to manage the specified license.</p>"
        }
```

```
    },
    "com.amazonaws.licensemanager#CreateTokenRequest": {
      "type": "structure",
      "members": {
        "LicenseArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits":
 {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is
mapped to the aud claim of the\n        JWT token.</p>",
            "smithy.api#required": {}
          }
        },
        "RoleArns": {
          "target": "com.amazonaws.licensemanager#ArnList",
          "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the
token. \n        License Manager does not check whether the roles are in use.</p>"
          }
        },
        "ExpirationInDays": {
          "target": "com.amazonaws.licensemanager#Integer",
          "traits": {
            "smithy.api#documentation": "<p>Token expiration, in days, counted from token creation. The
default is 365 days.</p>"
          }
        },
        "TokenProperties": {
           "target": "com.amazonaws.licensemanager#MaxSize3StringList",
          "traits": {
            "smithy.api#documentation": "<p>Data specified by the caller to be included in the JWT token. The
data is mapped\n        to the amr claim of the JWT token.</p>"
          }
        },
        "ClientToken": {
          "target": "com.amazonaws.licensemanager#ClientToken",
          "traits": {
            "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#CreateTokenResponse": {
      "type": "structure",
```

```
    "members": {
      "TokenId": {
        "target": "com.amazonaws.licensemanager#String",

       "traits": {
          "smithy.api#documentation": "<p>Token ID.</p>"
        }
      },
      "TokenType": {
        "target": "com.amazonaws.licensemanager#TokenType",
        "traits": {
          "smithy.api#documentation": "<p>Token type.</p>"
        }
      },
      "Token": {
        "target": "com.amazonaws.licensemanager#TokenString",
        "traits": {
          "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
  },
  "com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
      "Begin": {
         "target": "com.amazonaws.licensemanager#ISO8601DateTime",
        "traits": {
          "smithy.api#documentation": "<p>Start of the time range.</p>",
          "smithy.api#required": {}
        }
      },
      "End": {
        "target": "com.amazonaws.licensemanager#ISO8601DateTime",
        "traits": {
          "smithy.api#documentation": "<p>End of the time range.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
```

```
    },
    "com.amazonaws.licensemanager#DeleteGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "StatusReason": {
```

"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " The Status reason for the delete request. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the
grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation":
" Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicense": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"

```
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n        <p>You cannot
delete a license configuration that is in use.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
        "type": "structure",
        "members":
 {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
        },
        "output": {
```

"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified report generator. \n This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator to be deleted. ",
"smithy.api#required": {}
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the license. ",
"smithy.api#required":
{}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseResponse": {
"type": "structure",
"members": {
"Status": {
"target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"DeletionDate": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date when the license is deleted. "
}
}

```
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteToken": {
        "type": "operation",
         "input": {
            "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },

    {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenRequest": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

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                "smithy.api#documentation": "<p>Token ID.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#DeleteTokenResponse": {
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#output": {}

  }
},
"com.amazonaws.licensemanager#DigitalSignatureMethod": {
    "type": "enum",
    "members": {
        "JWT_PS384": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "JWT_PS384"
            }
        }
    }
},
"com.amazonaws.licensemanager#Entitlement": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement name.</p>",
                "smithy.api#required": {}
            }
        },
        "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement resource. Use only
if the unit is None.</p>"
            }
        },
        "MaxCount": {
            "target": "com.amazonaws.licensemanager#Long",
            "traits": {
```

"smithy.api#documentation": " Maximum entitlement count. Use if the unit is not None. "
}
},
"Overage": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether overages are allowed. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementUnit",
"traits": {
"smithy.api#documentation": " Entitlement unit. ",
"smithy.api#required": {}
}
},
"AllowCheckIn": {
"target":
"com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether check-ins are allowed. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a resource entitled for use with a license. "
}
},
"com.amazonaws.licensemanager#EntitlementData": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement data name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement
data value. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementDataUnit",
"traits": {

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                "smithy.api#documentation": "<p>Entitlement data unit.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
    }
},
"com.amazonaws.licensemanager#EntitlementDataList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#EntitlementData"
    }
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
    "type": "enum",
    "members": {
        "COUNT": {
            "target": "smithy.api#Unit",
            "traits": {

"smithy.api#enumValue": "Count"
            }
        },
        "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "None"
            }
        },
        "SECONDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Seconds"
            }
        },
        "MICROSECONDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Microseconds"
            }
        },
        "MILLISECONDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Milliseconds"
            }
```

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        },
        "BYTES": {
          "target": "smithy.api#Unit",
           "traits": {
             "smithy.api#enumValue": "Bytes"
          }
        },
        "KILOBYTES": {
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Kilobytes"
          }
        },
        "MEGABYTES": {
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Megabytes"
          }
        },
        "GIGABYTES": {
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Gigabytes"
          }
        },
        "TERABYTES": {
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Terabytes"
          }
        },
        "BITS":
{
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Bits"
          }
        },
        "KILOBITS": {
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Kilobits"
          }
        },
        "MEGABITS": {
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Megabits"
```

```
        }
    },
    "GIGABITS": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Gigabits"
        }
    },
    "TERABITS": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Terabits"

}
    },
    "PERCENT": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Percent"
        }
    },
    "BYTES_PER_SECOND": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Bytes/Second"
        }
    },
    "KILOBYTES_PER_SECOND": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Kilobytes/Second"
        }
    },
    "MEGABYTES_PER_SECOND": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Megabytes/Second"
        }
    },
    "GIGABYTES_PER_SECOND": {
        "target": "smithy.api#Unit",
         "traits": {
            "smithy.api#enumValue": "Gigabytes/Second"
        }
    },
    "TERABYTES_PER_SECOND": {
        "target": "smithy.api#Unit",
        "traits": {
```

"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},
"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Entitlement"
}
},

"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The entitlement is not allowed. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#EntitlementUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},

"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}

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            },
            "GIGABITS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Gigabits"
                }
            },
            "TERABITS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Terabits"
                }
            },
            "PERCENT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Percent"
                }
            },
            "BYTES_PER_SECOND": {
                "target":
"smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Bytes/Second"
                }
            },
            "KILOBYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Kilobytes/Second"
                }
            },
            "MEGABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Megabytes/Second"
                }
            },
            "GIGABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Gigabytes/Second"
                }
            },
            "TERABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
```

"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},

"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementUsage": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Entitlement usage name. ",
"smithy.api#required": {}
}
},
"ConsumedValue": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Resource usage consumed. ",
"smithy.api#required": {}
}
},
"MaxCount": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Maximum entitlement usage count. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementDataUnit",
"traits": {
"smithy.api#documentation": " Entitlement usage unit. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Usage associated with an entitlement resource. "
}
},
"com.amazonaws.licensemanager#EntitlementUsageList":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#EntitlementUsage"
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumption": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"

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            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}

      }
            },
            "DryRun": {
                "target": "com.amazonaws.licensemanager#Boolean",
                "traits": {
                    "smithy.api#default": false,
                    "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action,
without actually making the request. Provides an error response if you do not have the required permissions.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
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    "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
      "type": "structure",
      "members": {
        "LicenseConsumptionToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>License consumption token.</p>"
          }
        },

        "Expiration": {
          "target": "com.amazonaws.licensemanager#ISO8601DateTime",
          "traits": {
            "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#FailedDependencyException": {
      "type": "structure",
      "members": {
        "Message": {
          "target": "com.amazonaws.licensemanager#Message"
        },
        "ErrorCode": {
          "target": "com.amazonaws.licensemanager#String"
        }
      },
      "traits": {
        "aws.protocols#awsQueryError": {
          "code": "FailedDependency",
          "httpResponseCode": 424
        },
        "smithy.api#documentation":
"<p>A dependency required to run the API is missing.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 424
      }
    },
    "com.amazonaws.licensemanager#Filter": {
      "type": "structure",
      "members": {
        "Name": {
          "target": "com.amazonaws.licensemanager#FilterName",
          "traits": {
```

"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used to return more specific results from a\n describe operation. Filters can be used to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FilterLimitExceeded",
"httpResponseCode": 400
},
"smithy.api#documentation": " The request uses too many filters or too many filter values. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Filter"
}
},
"com.amazonaws.licensemanager#FilterName": {
"type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
"type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
"type": "list",

"member": {
"target": "com.amazonaws.licensemanager#FilterValue",
"traits": {
"smithy.api#xmlName": "item"
}
}
},
"com.amazonaws.licensemanager#Filters": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Filter",
"traits": {
"smithy.api#xmlName": "item"
}
}
},
"com.amazonaws.licensemanager#GetAccessToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
tokens\n are valid for one hour. "
}
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {

"type": "structure",
"members": {
"Token": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Refresh token, encoded as a JWT token. ",
"smithy.api#required": {}
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Token properties to validate against those present in the JWT token. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetAccessTokenResponse": {
"type": "structure",
"members": {
"AccessToken": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Temporary access token. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

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        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"

    },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
    "type": "structure",
    "members": {
```

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        "Grant": {
            "target": "com.amazonaws.licensemanager#Grant",
            "traits": {
                "smithy.api#documentation": "<p>Grant details.</p>"
            }
        }
    },
    "traits": {

"smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"

 },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
    "type": "operation",
    "input": {
```

"target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license configuration. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
}
},
"traits":
{
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationId": {

```
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
    }
},
"LicenseConfigurationArn": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
    }
},
"Name": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Name of the license configuration.</p>"
     }
},
"Description": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Description of the license configuration.</p>"
    }
},
"LicenseCountingType": {
    "target": "com.amazonaws.licensemanager#LicenseCountingType",
    "traits": {
        "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
    }
},
"LicenseRules": {
    "target": "com.amazonaws.licensemanager#StringList",
    "traits": {
        "smithy.api#documentation": "<p>License rules.</p>"
    }
},
"LicenseCount": {
    "target": "com.amazonaws.licensemanager#BoxLong",

   "traits": {
        "smithy.api#documentation": "<p>Number of available licenses.</p>"
    }
},
"LicenseCountHardLimit": {
    "target": "com.amazonaws.licensemanager#BoxBoolean",
    "traits": {
        "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
    }
},
```

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses assigned to resources. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License configuration status. "
}

},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner of the license configuration. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}

```
            },
            "DisassociateWhenNotFound": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>When
true, disassociates a resource when software is uninstalled.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConversionTask": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {

 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
```

"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted to. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",

"traits": {
"smithy.api#documentation": " Status of the license type conversion task. "
}
},

"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was started . "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Amount of time to complete the license type conversion. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was completed. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},

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            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

          },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
                    "smithy.api#required":
 {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {
            "ReportGenerator": {
                "target": "com.amazonaws.licensemanager#ReportGenerator",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            }
        },
```

"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseResponse": {
"type": "structure",
"members": {
"License": {
"target": "com.amazonaws.licensemanager#License",
"traits": {
"smithy.api#documentation": " License details. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},

"com.amazonaws.licensemanager#GetLicenseUsage": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"

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        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {

  "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
        }
      },
      "com.amazonaws.licensemanager#GetLicenseUsageRequest": {
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
        "type": "structure",
        "members": {
          "LicenseUsage": {
            "target":
"com.amazonaws.licensemanager#LicenseUsage",
            "traits": {
```

```
                "smithy.api#documentation": "<p>License usage details.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetServiceSettings": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
    }
},
"com.amazonaws.licensemanager#GetServiceSettingsRequest": {
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#GetServiceSettingsResponse": {
    "type": "structure",
    "members": {
        "S3BucketArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Regional S3 bucket path for storing reports, license trail event data,
```

discovery data,\n and so on. "

}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " SNS topic configured to receive notifications from License Manager. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Indicates whether Organizations is integrated with License Manager for\n cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether cross-account discovery is enabled. "
}

},
"LicenseManagerResourceShareArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource share. The License Manager management account \n provides member accounts with access to this share. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Grant": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}
}
},
"ParentArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",
"smithy.api#required": {}
}
},
"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "

```
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>",
                "smithy.api#required": {}
            }
        },
        "GrantedOperations": {
            "target": "com.amazonaws.licensemanager#AllowedOperationList",
            "traits": {
                "smithy.api#documentation": "<p>Granted operations.</p>",
                "smithy.api#required": {}
            }
        },
        "Options": {
            "target": "com.amazonaws.licensemanager#Options",
            "traits": {
                "smithy.api#documentation": "<p>The options specified for the grant.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation":
"<p>Describes a grant.</p>"
    }
},
"com.amazonaws.licensemanager#GrantList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Grant"
    }
},
"com.amazonaws.licensemanager#GrantStatus": {
    "type": "enum",
    "members": {
        "PENDING_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_WORKFLOW"
            }
        },
        "PENDING_ACCEPT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_ACCEPT"
            }
```

```
            },
            "REJECTED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REJECTED"

            }
            },
            "ACTIVE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ACTIVE"
                }
            },
            "FAILED_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED_WORKFLOW"
                }
            },
            "DELETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DELETED"
                }
            },
            "PENDING_DELETE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_DELETE"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits":
{
                    "smithy.api#enumValue": "DISABLED"
                }
            },
            "WORKFLOW_COMPLETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WORKFLOW_COMPLETED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#GrantedLicense": {
```

```
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
          },
          "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>License name.</p>"
            }

    },
          "ProductName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Product name.</p>"
            }
          },
          "ProductSKU": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Product SKU.</p>"
            }
          },
          "Issuer": {
            "target": "com.amazonaws.licensemanager#IssuerDetails",
            "traits": {
              "smithy.api#documentation": "<p>Granted license issuer.</p>"
            }
          },
          "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Home Region of the granted license.</p>"

           }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
              "smithy.api#documentation": "<p>Granted license status.</p>"
            }
          },
          "Validity": {
            "target": "com.amazonaws.licensemanager#DatetimeRange",
```

"traits": {
"smithy.api#documentation": " Date and time range during which the granted license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Granted license beneficiary. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Granted license metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Creation time of the granted license. "

}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Version of the granted license. "
}
},
"ReceivedMetadata": {
"target": "com.amazonaws.licensemanager#ReceivedMetadata",
"traits": {
"smithy.api#documentation": " Granted license received metadata. "
}
}

```
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
        }
    },
    "com.amazonaws.licensemanager#GrantedLicenseList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#GrantedLicense"
        }
    },
    "com.amazonaws.licensemanager#ISO8601DateTime":
{
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-
1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$"
        }
    },
    "com.amazonaws.licensemanager#Integer": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#InvalidParameterValueException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidParameterValueProvided",
                "httpResponseCode": 400
            },
            "smithy.api#documentation":
"<p>One or more parameter values are not valid.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#InvalidResourceStateException": {
        "type": "structure",
        "members": {
            "Message": {
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"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidResourceState",
"httpResponseCode": 400
},
"smithy.api#documentation": " License Manager cannot allocate a license to a resource because of its state. \n For example, you cannot allocate a license to an instance in the process of shutting\n down. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},

"com.amazonaws.licensemanager#InventoryFilter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the filter. ",
"smithy.api#required": {}
}
},
"Condition": {
"target": "com.amazonaws.licensemanager#InventoryFilterCondition",
"traits": {
"smithy.api#documentation": " Condition of the filter. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Value of the filter. "
}
}

},
"traits": {
"smithy.api#documentation": " An inventory filter. "
}
},
"com.amazonaws.licensemanager#InventoryFilterCondition": {
"type": "enum",
"members": {

"EQUALS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EQUALS"
}
},
"NOT_EQUALS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "NOT_EQUALS"
}
},
"BEGINS_WITH": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "BEGINS_WITH"
}
},
"CONTAINS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CONTAINS"
}
}
}
},
"com.amazonaws.licensemanager#InventoryFilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#InventoryFilter"
}
},
"com.amazonaws.licensemanager#Issuer": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. ",
"smithy.api#required": {}
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage

of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the issuer of a license. "
}
},
"com.amazonaws.licensemanager#IssuerDetails": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. "
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer key fingerprint. "
}
}
},
"traits": {
"smithy.api#documentation": " Details associated with the issuer of a license. "
}
},
"com.amazonaws.licensemanager#License": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " License name. "
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " License issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Home Region of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},

"Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " License metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " License
creation time. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#documentation": " Software license that is managed in License Manager. "
}
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
"type": "structure",
"members": {
"LicenseConfigurationId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Unique ID of the license configuration. "
}
},
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension to use to track the license inventory. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Number of available licenses as a hard limit. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
},
"ConsumedLicenses": {

"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the license configuration. "
}
},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the license configuration's owner. "

}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for licenses consumed by various resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for managed resources. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {

"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
}
},
"traits": {
"smithy.api#documentation": " A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n

Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
"type": "structure",
"members": {
"ResourceArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of server resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Time when the license configuration was associated with the resource. "
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an association with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
"type": "list",

```
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationStatus": {
        "type": "enum",
        "members":
{
            "AVAILABLE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "AVAILABLE"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DISABLED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationUsage": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceStatus": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Status of the resource.</p>"
                }
            },
            "ResourceOwnerId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
```

```
            }
        },
        "AssociationTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Time when the license configuration was initially associated with
the resource.</p>"
            }
        },

    "ConsumedLicenses": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Details about the usage of a resource associated with a license
configuration.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
    }
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#LicenseConfiguration"
    }
},
"com.amazonaws.licensemanager#LicenseConversionContext": {

  "type": "structure",
    "members": {
        "UsageOperation": {
            "target": "com.amazonaws.licensemanager#UsageOperation",
            "traits": {
                "smithy.api#documentation": "<p>The Usage operation value that corresponds to the license type you
are converting your resource from.  For more information about which platforms correspond to which usage
operation values see <a href=\"https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/billing-info-
fields.html#billing-info\">Sample data: usage operation by platform\n      </a>\n        </p>"
            }
        }
    },
```

"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {

"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " The ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource associated with the license type\n conversion task. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted to. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " The status of the conversion task. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},

```
            "StartTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation":
 "<p>The time the conversion task was started at.</p>"
                }
            },
            "LicenseConversionTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
                }
            },
            "EndTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTaskId": {
        "type": "string",
        "traits": {

        "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
        "type": "enum",
        "members": {
            "IN_PROGRESS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "IN_PROGRESS"
                }
            },
            "SUCCEEDED": {
                "target": "smithy.api#Unit",
                "traits": {
```

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                "smithy.api#enumValue": "SUCCEEDED"
            }
        },
        "FAILED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseConversionTasks":
{
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#LicenseConversionTask"
    }
},
"com.amazonaws.licensemanager#LicenseCountingType": {
    "type": "enum",
    "members": {
        "VCPU": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "vCPU"
            }
        },
        "INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Instance"
            }
        },
        "CORE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Core"
            }
        },
        "SOCKET": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "Socket"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
```

```
    "type": "enum",
    "members": {
      "PENDING_DELETE": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "PENDING_DELETE"
        }
      },
      "DELETED": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "DELETED"
        }
      }
    }
  },
  "com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#License"
    }
  },
  "com.amazonaws.licensemanager#LicenseOperationFailure": {

    "type": "structure",
    "members": {
      "ResourceArn": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
          "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
        }
      },
      "ResourceType": {
        "target": "com.amazonaws.licensemanager#ResourceType",
        "traits": {
          "smithy.api#documentation": "<p>Resource type.</p>"
        }
      },
      "ErrorMessage": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
          "smithy.api#documentation": "<p>Error message.</p>"
        }
      },
      "FailureTime": {
        "target": "com.amazonaws.licensemanager#DateTime",
        "traits": {
```

"smithy.api#documentation": " Failure time. "
}
},
"OperationName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the operation. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource. "
}
},
"OperationRequestedBy": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The requester is \"License Manager Automated Discovery\". "
}
},
"MetadataList": {

"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Reserved. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the failure of a license operation. "
}
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailure"
}
},
"com.amazonaws.licensemanager#LicenseSpecification": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Details for associating a license configuration with a resource. "
}
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseSpecification"
}
},
"com.amazonaws.licensemanager#LicenseStatus": {
"type": "enum",
"members": {
"AVAILABLE": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"PENDING_AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_AVAILABLE"
}
},
"DEACTIVATED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DEACTIVATED"
}
},
"SUSPENDED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SUSPENDED"

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            }
        },
        "EXPIRED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EXPIRED"
            }
        },

    "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseUsage": {
    "type": "structure",
    "members": {
        "EntitlementUsages": {
            "target": "com.amazonaws.licensemanager#EntitlementUsageList",
            "traits": {
                "smithy.api#documentation": "<p>License entitlement usages.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"

    }
},
"com.amazonaws.licensemanager#LicenseUsageException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "LicenseUsageFailure",
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"httpResponseCode": 412
},
"smithy.api#documentation": " You do not have enough licenses available to support a new resource launch. ",
"smithy.api#error": "client",
"smithy.api#httpError": 412
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the resource associations for the specified license configuration. \n Resource associations need not consume licenses from a license configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n the license rules). "
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results
to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationAssociations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license
configuration. "
}
},
"NextToken": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
"type": "operation",

"input": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants distributed for the specified license. "
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
"type": "structure",
"members": {
"GrantArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>LicenseArn</code>\n \n

```
</li>\n <li>\n <p>\n <code>GrantStatus</code>\n </p>\n </li>\n
<li>\n <p>\n <code>GranteePrincipalARN</code>\n </p>\n </li>\n
<li>\n <p>\n <code>ProductSKU</code>\n </p>\n </li>\n <li>\n
<p>\n <code>LicenseIssuerName</code>\n
</p>\n </li>\n </ul>"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": "<p>Token for the next set of results.</p>"
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",

"traits": {
"smithy.api#documentation": "<p>Distributed grant details.</p>"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": "<p>Token for the next set of results.</p>"
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
"type": "operation",
"input": {
```

"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license configuration operations that failed. "
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name of the license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}

```
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
        "type": "structure",
        "members": {
            "LicenseOperationFailureList": {
                "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
                "traits": {
                    "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
        },

    "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configurations
 for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArns": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next
 set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n                Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n            Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n
<p>\n                <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n            Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>.</p>\n
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</li>\n <li>\n <p>\n <code>usagelimitExceeded</code> - A Boolean value that indicates whether the available licenses have been exceeded. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n </li>\n </ul>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
        "type": "structure",
        "members": {
          "LicenseConfigurations": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurations",
            "traits": {
              "smithy.api#documentation": "<p>Information about the license configurations.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",

         "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseConversionTasks": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
        "type": "structure",
        "members": {
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {

    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>\n        Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n      </p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
        "type": "structure",
        "members": {
            "LicenseConversionTasks": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTasks",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configuration tasks for your
```

account. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseConfigurationArn</code>\n
</p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits":
{
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
        "type": "structure",
        "members": {
            "ReportGenerators": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorList",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

"smithy.api#documentation": " Token for the next set of results. "
}

}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Describes the license configurations for the specified resource. "
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a resource that has an associated license configuration. ",
"smithy.api#required": {}
}

```
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {

    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
    "type": "structure",
    "members": {
        "LicenseSpecifications": {
            "target": "com.amazonaws.licensemanager#LicenseSpecifications",
            "traits": {
                "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
            }
        },
        "NextToken": {
             "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
```

```
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                "smithy.api#required": {}
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
```

```
        "type": "structure",
        "members": {
          "Licenses": {
            "target": "com.amazonaws.licensemanager#LicenseList",
            "traits": {
              "smithy.api#documentation": "<p>License details.</p>"
            }
          },

"NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenses": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListLicensesRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListLicensesResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
           },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
```

```
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicensesRequest": {
        "type": "structure",
        "members": {
            "LicenseArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
                }
            },

     "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n              <p>\n                <code>Beneficiary</code>\n              </p>\n
      </li>\n           <li>\n              <p>\n                <code>ProductSKU</code>\n              </p>\n           </li>\n
   <li>\n              <p>\n                <code>Fingerprint</code>\n              </p>\n           </li>\n           <li>\n
<p>\n                <code>Status</code>\n              </p>\n           </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token
 for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicensesResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#LicenseList",
                "traits": {
```

"smithy.api#documentation": " License details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while

specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target":
"com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the received license. ",
"smithy.api#required": {}

```
            }
          },
          "Filters": {
            "target": "com.amazonaws.licensemanager#FilterList",
            "traits": {
              "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
    <ul>\n        <li>\n          <p>\n              <code>ParentArn</code>\n          </p>\n        </li>\n
<li>\n          <p>\n              <code>GranteePrincipalArn</code>\n          </p>\n        </li>\n      </ul>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
 {
        "type": "structure",
        "members": {
          "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
            "traits": {
              "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
```

```
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
      "type": "structure",
      "members": {
        "GrantArns": {
          "target": "com.amazonaws.licensemanager#ArnList",
           "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
          }
        },
        "Filters": {
          "target": "com.amazonaws.licensemanager#FilterList",
          "traits": {
            "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n          <li>\n            <p>\n              <code>ProductSKU</code>\n            </p>\n
      </li>\n          <li>\n            <p>\n              <code>LicenseIssuerName</code>\n            </p>\n
</li>\n          <li>\n            <p>\n              <code>LicenseArn</code>\n            </p>\n          </li>\n
<li>\n            <p>\n              <code>GrantStatus</code>\n            </p>\n          </li>\n          <li>\n
<p>\n
      <code>GranterAccountId</code>\n            </p>\n          </li>\n        </ul>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        },
        "MaxResults": {
          "target": "com.amazonaws.licensemanager#MaxSize100",
          "traits": {
            "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
      "type": "structure",
      "members": {
        "Grants": {
          "target": "com.amazonaws.licensemanager#GrantList",
           "traits": {
            "smithy.api#documentation": "<p>Received grant details.</p>"
          }
        },
```

```
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists received licenses.</p>"
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
```

```
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {

    "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>Beneficiary</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n
            </p>\n            </li>\n        </ul>"
                }
            },
```

```
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
    "type": "structure",
    "members": {
        "Licenses": {
            "target": "com.amazonaws.licensemanager#GrantedLicenseList",
             "traits": {
                "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
    "type": "structure",
    "members": {
        "LicenseArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
            }
        },
```

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>IssuerName</code>\n \n \n \n \n <code>Beneficiary</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#GrantedLicenseList",
"traits": {
"smithy.api#documentation": " Received license details. "
}
},

"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}

```
},
"com.amazonaws.licensemanager#ListResourceInventory": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FailedDependencyException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
    }
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
    "type": "structure",
    "members": {
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#InventoryFilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>account_id</code> - The ID of the Amazon Web Services account that owns the resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n
\n \n \n <code>application_name</code> - The name of the application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n
\n \n \n <code>license_included</code> - The type of license included. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
\n <code>platform</code> - The platform of the resource.\n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n \n \n \n
<code>resource_id</code> - The ID of the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n
<code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account). \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
"type": "structure",
"members": {
"ResourceInventoryList": {
"target": "com.amazonaws.licensemanager#ResourceInventoryList",
"traits": {
"smithy.api#documentation": " Information about the resources. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the tags for the specified license configuration. "
}
},
"com.amazonaws.licensemanager#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

```
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
        "errors":
[
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists your tokens.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTokensRequest": {
        "type": "structure",
        "members": {
```

```
            "TokenIds": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {

                  "smithy.api#documentation": "<p>Token IDs.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
    <ul>\n        <li>\n        <p>\n        <code>LicenseArns</code>\n        </p>\n        </li>\n
</ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation":
 "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokensResponse": {
        "type": "structure",
        "members": {
            "Tokens": {
                "target": "com.amazonaws.licensemanager#TokenList",
                "traits": {
                    "smithy.api#documentation": "<p>Received token details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
```

```
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
             {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license\n        consumption details by resource at a selected point in time. Use this action to audit the\n        current
license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
```

"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
"type": "structure",
"members": {

"LicenseConfigurationUsageList": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

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                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#Location": {
    "type": "string"
},
"com.amazonaws.licensemanager#Long": {
    "type": "long"
},
"com.amazonaws.licensemanager#ManagedResourceSummary": {
    "type": "structure",
    "members": {
        "ResourceType":
{
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
            }
        },
        "AssociationCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
    }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
    }
},
"com.amazonaws.licensemanager#MaxSize100": {

"type": "integer",
    "traits": {
        "smithy.api#range": {
            "min": 1,
            "max": 100
```

```
        }
    }
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The key name.</p>"
            }
        },

"Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The value.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes key/value pairs.</p>"
    }
},
"com.amazonaws.licensemanager#MetadataList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Metadata"
    }
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
    "type": "structure",
    "members": {
```

"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n \n \n As a grantor, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your organization. \n \n \n As a grantee, if the grantor creating the distributed grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n are activating the grant. \n \n \n <dl>\n <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n Use this value to activate a grant without replacing any member accounts\n active grants for the same product. \n </dd>\n <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n Use this value to activate a grant and disable other active grants in any\n member accounts
for the same product. This action will also replace their\n previously activated grants with this activated grant. \n </dd>\n </dl>"
}
}
},
"traits": {
"smithy.api#documentation": " The options you can specify when you create a new version of a grant, such as activation\n override behavior. For more information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#OrganizationConfiguration": {
"type": "structure",
"members": {
"EnableIntegration": {
"target": "com.amazonaws.licensemanager#Boolean",

"traits": {
"smithy.api#default": false,
"smithy.api#documentation":
" Enables Organizations integration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Configuration information for Organizations. "
}
},
"com.amazonaws.licensemanager#PrincipalArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 1
}
}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Resource type. The
possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a
<code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values
for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for
<code>ProductInformationFilterComparator</code>. \n The following filters and are supported when
the resource type \n is <code>SSM_MANAGED</code>: \n
\n \n \n <code>Application Name</code> - The name of the
application.\n Logical operator is <code>EQUALS</code>. \n \n \n
\n <code>Application Publisher</code> - The publisher of the application.\n Logical

operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n
\n \n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n \n \n \n \n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n \n \n <code>License Included</code> - The type of license included.\n Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are: <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n The following filters and logical operators are supported when the resource type\n is <code>RDS</code>: \n \n \n \n <code>Engine Edition</code> - The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>. \n \n \n \n <code>License Pack</code> - The license pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n
<code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n
\n ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information for a license configuration. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
"type": "structure",
"members": {
"ProductInformationFilterName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Filter name. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterValue": {
"target": "com.amazonaws.licensemanager#StringList",

```
        "traits": {
            "smithy.api#documentation": "<p>Filter value.</p>"
        }
      },
      "ProductInformationFilterComparator": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Logical operator.</p>",
            "smithy.api#required": {}
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Describes product information filters.</p>"
    }
  },
  "com.amazonaws.licensemanager#ProductInformationFilterList": {
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#ProductInformationFilter"
    }
  },
  "com.amazonaws.licensemanager#ProductInformationList": {
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#ProductInformation"
     }
  },
  "com.amazonaws.licensemanager#ProvisionalConfiguration": {
    "type": "structure",
    "members": {
      "MaxTimeToLiveInMinutes": {
        "target": "com.amazonaws.licensemanager#BoxInteger",
        "traits": {
            "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
            "smithy.api#required": {}
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
    }
  },
  "com.amazonaws.licensemanager#RateLimitExceededException": {
    "type": "structure",
    "members": {
      "Message": {
        "target": "com.amazonaws.licensemanager#Message"
```

```
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "RateLimitExceeded",
                "httpResponseCode": 429
            },
            "smithy.api#documentation": "<p>Too many requests have been submitted. Try again after a brief
wait.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 429
        }
    },
    "com.amazonaws.licensemanager#ReceivedMetadata": {
        "type": "structure",
        "members": {
            "ReceivedStatus": {
                "target": "com.amazonaws.licensemanager#ReceivedStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Received status.</p>"
                }
            },
            "ReceivedStatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>Received
status reason.</p>"
                }
            },
            "AllowedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed operations.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
        }
    },
    "com.amazonaws.licensemanager#ReceivedStatus": {
        "type": "enum",
        "members": {
            "PENDING_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_WORKFLOW"
                }
```

```
            },
            "PENDING_ACCEPT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue":
"PENDING_ACCEPT"
                }
            },
            "REJECTED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REJECTED"
                }
            },
            "ACTIVE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ACTIVE"
                }
            },
            "FAILED_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED_WORKFLOW"
                }
            },
            "DELETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DELETED"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                 "traits": {
                    "smithy.api#enumValue": "DISABLED"
                }
            },
            "WORKFLOW_COMPLETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WORKFLOW_COMPLETED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#RedirectException": {
        "type": "structure",
```

```
        "members": {
          "Location": {
            "target": "com.amazonaws.licensemanager#Location",
            "traits": {
              "smithy.api#httpHeader": "Location"
            }
          },
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
           "smithy.api#error": "client",
          "smithy.api#httpError": 308
        }
      },
      "com.amazonaws.licensemanager#RejectGrant": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#RejectGrantRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#RejectGrantResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#RejectGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}

}
    },
    "com.amazonaws.licensemanager#RejectGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#RenewType":
```

{
"type": "enum",
"members": {
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"WEEKLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Weekly"
}
},
"MONTHLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Monthly"
}
}
}
},
"com.amazonaws.licensemanager#ReportContext": {
"type": "structure",
"members": {
"licenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "

```
            }
          },
          "period": {
            "target": "com.amazonaws.licensemanager#ReportFrequencyType",

            "traits": {
              "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
or monthly.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
        }
      },
      "com.amazonaws.licensemanager#ReportFrequencyType": {
        "type": "enum",
        "members": {
          "DAY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "DAY"
            }
          },
          "WEEK": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "WEEK"
            }
          },
          "MONTH": {
            "target": "smithy.api#Unit",
            "traits":
 {
              "smithy.api#enumValue": "MONTH"
            }
          }
        }
      },
      "com.amazonaws.licensemanager#ReportGenerator": {
        "type": "structure",
        "members": {
          "ReportGeneratorName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Name of the report generator.</p>"
            }
          },
```

"ReportType": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports that are generated. "
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " License
configuration type for this generator. "
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. "
}
},
"LastRunStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the last report generation attempt. "
}
},
"LastRunFailureReason":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Failure message for the last report generation attempt. "
}
},
"LastReportGenerationTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the last report was generated at. "
}
},
"ReportCreatorAccount": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Web Services account ID used to create the report

generator. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"S3Location": {
"target": "com.amazonaws.licensemanager#S3Location",
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the report was created. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags associated with the report generator. "
}

}
},
"traits": {
"smithy.api#documentation": " Describe the details of a report generator. "
}
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ReportGenerator"
}
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}

```
        }
    },
    "com.amazonaws.licensemanager#ReportType": {
        "type": "enum",
        "members": {
            "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
                }

    },
            "LICENSE_CONFIGURATION_USAGE_REPORT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "LicenseConfigurationUsageReport"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#ReportTypeList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ReportType"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventory": {
        "type": "structure",
        "members": {
            "ResourceId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
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            "Platform": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform of the resource.</p>"
                }
            },
            "PlatformVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
                }
            },
            "ResourceOwningAccountId":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventoryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ResourceInventory"
        }
    },
    "com.amazonaws.licensemanager#ResourceLimitExceededException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "ResourceLimitExceeded",

             "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
```

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"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
     "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_INSTANCE"
            }
        },
        "EC2_HOST": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_HOST"
            }
        },
        "EC2_AMI": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_AMI"
            }
        },
        "RDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "RDS"
            }
        },
        "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
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"smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
}
}
}
},
"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"com.amazonaws.licensemanager#ServerInternalException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InternalError",
"httpResponseCode": 500
},
"smithy.api#documentation": " The server experienced an internal error. Try again. ",
"smithy.api#error": "server",
"smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanager#SignedToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 4096

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            }
        }
    },
    "com.amazonaws.licensemanager#StatusReasonMessage": {
        "type": "string",
        "traits":
{
            "smithy.api#length": {
                "min": 0,
                "max": 400
            },
            "smithy.api#pattern": "^[\\s\\S]+$"
        }
    },
    "com.amazonaws.licensemanager#String": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#StringList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#Tag": {
        "type": "structure",
        "members": {
            "Key": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Tag key.</p>"
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Tag value.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagKeyList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
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        }
    },
    "com.amazonaws.licensemanager#TagList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Tag"
        }
    },
    "com.amazonaws.licensemanager#TagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#TagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#TagResourceResponse"
        },
        "errors": [
            {
                "target":
"com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
{
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
```

```
            }
          },
          "Tags": {
            "target": "com.amazonaws.licensemanager#TagList",
            "traits": {
              "smithy.api#documentation": "<p>One or more tags.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
        "members": {
          "TokenId": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
              "smithy.api#documentation": "<p>Token ID.</p>"
            }
          },
          "TokenType": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
            }
          },
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
          },
          "ExpirationTime": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC
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format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#TokenData"
}
},
"com.amazonaws.licensemanager#TokenString": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 4096
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#TokenType": {
"type": "enum",
"members": {

"REFRESH_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REFRESH_TOKEN"
}
}
}
},
"com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The digital signature method is unsupported. Try your request
again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#UntagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],

"traits": {
"smithy.api#documentation": " Removes the specified tags from the specified license configuration. "
}
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanager#TagKeyList",
"traits": {
"smithy.api#documentation": " Keys identifying the tags to remove. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

```
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseConfigurationStatus": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
                "traits": {
                    "smithy.api#documentation": "<p>New status of the license configuration.</p>"
                }
            },
            "LicenseRules": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {

    "smithy.api#documentation": "<p>New license rule. The only rule that you can add after you create a license\n
    configuration is licenseAffinityToHost.</p>"
                }
            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
```

"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}

```
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to
```

update. ",
"smithy.api#required": {}
}
},
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation":
" Type of reports to generate. The following report types are supported: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " The report context. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},

{
"target": "com.amazonaws.licensemanager#InvalidResourceStateException"
},
{
"target": "com.amazonaws.licensemanager#LicenseUsageException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],

"traits": {
"smithy.api#documentation": " Adds or removes the specified license configurations for the specified Amazon Web Services resource. \n You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource. "
}
},

"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon Web Services resource. ",
"smithy.api#required": {}
}
},
"AddLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to add. "
}
},
"RemoveLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to remove. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"

```
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
             },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
        "type": "structure",
        "members": {
            "S3BucketArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
 Manager information is stored.</p>"
                }
            },
            "SnsTopicArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts.</p>"
                }
            },
            "OrganizationConfiguration": {
                "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account discovery.</p>"
```

```
                }
            },
            "EnableCrossAccountsDiscovery": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"

        }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UsageOperation": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            }
        }
    },
    "com.amazonaws.licensemanager#ValidationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

    "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    }
  }
}
```

1.7369 aws-sdk-go-v2-service-sts 1.33.1

1.7369.1 Available under license :

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
```

```
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
 LicenseConsumptionToken *string
```

```
 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
```

```
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack,
 c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
```

```
 return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err !=
 nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
```

```
      uses: actions/checkout@v2
      with:
        path: new-ref
        fetch-depth: 0
    - name: Get Diff
      run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
    - name: Get Target Files
      run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
    - name: Checkout scancode
      uses: actions/checkout@v2
      with:
        repository: nexB/scancode-toolkit
        path: scancode-toolkit
        fetch-depth: 1
    - name: Set up Python ${{ matrix.python-version }}
       uses: actions/setup-python@v2
      with:
        python-version: ${{ matrix.python-version }}
    # ScanCode
    - name: Self-configure scancode
      working-directory: ./scancode-toolkit
      run: ./scancode --help
    - name: Run Scan code on target
      run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
    - name: Run Scan code on pr ref
      run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
```

```
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
```

```
 return err
}
err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
```

```
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if
err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err
!= nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
```

```
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
{
  "smithy": "2.0",
  "shapes": {
    "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
      "type": "structure",
      "members": {
        "message": {
          "target": "smithy.api#String"
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
        "smithy.api#error": "client"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
      "type": "structure",
      "members": {
        "DirectoryId": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#Directory",
          "traits": {
            "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
          }
        },
        "ActiveDirectorySettings":
 {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings",
          "traits": {
            "smithy.api#documentation": "<p>The <code>ActiveDirectorySettings</code> resource contains
details about \n\t\t\tthe Active Directory, including network access details such as domain name and IP
\n\t\t\taddresses, and the credential provider for user administration.</p>"
          }
        },
        "ActiveDirectoryType": {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType",
"traits": {
"smithy.api#documentation": " The type of Active Directory either a self-managed Active Directory or an \n\t\t\tAmazon Web Services Managed Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about an Active Directory identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings": {
"type": "structure",
"members": {
"DomainName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name for the Active Directory. "
}
},
"DomainIpv4List": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IpV4List",
"traits": {
"smithy.api#documentation": " A list of domain IPv4 addresses that are used for the Active Directory. ",
"smithy.api#length": {
"min": 1,
"max": 2
}
}
},
"DomainCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
"traits": {
"smithy.api#documentation": " Points to the <code>CredentialsProvider</code> resource that contains \n\t\t\tinformation about the credential provider for user administration. "
}
},
"DomainNetworkSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings",
"traits": {
"smithy.api#documentation": " The <code>DomainNetworkSettings</code> resource contains an array of \n\t\t\tsubnets that apply for the Active Directory. "
}
}
},

"traits": {
"smithy.api#documentation": " Contains network access and credential details that are needed for \n\t\t\tuser administration in the Active Directory. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "SELF_MANAGED",
"value": "SELF_MANAGED",
"documentation": "SELF_MANAGED type of Active Directory"
},
{
"name": "AWS_MANAGED",
"value": "AWS_MANAGED",
"documentation": "AWS_MANAGED type of Active Directory"
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#Arn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-zA-Z0-9-\\.]{1,510}/[a-zA-Z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Associates the user to an EC2 instance to utilize user-based
subscriptions.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related
costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing
status) in Amazon Web Services Billing. For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n\t\t\t\tmonthly
charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
            "smithy.api#http":
 {
                "code": 200,
                "method": "POST",
                "uri": "/user/AssociateUser"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance that provides the user-based
subscription.</p>",
                    "smithy.api#required": {}
                }
            },
```

"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The identity provider for the user. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains information for the user to associate. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply for the user association. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
"type": "structure",
"members": {
"message": {

"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request couldn't be completed because it conflicted with the current state of the\n\t\t\tresource. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},

{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a network endpoint for the Remote Desktop Services (RDS) license server. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/CreateLicenseServerEndpoint"

```
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest": {
        "type": "structure",
        "members": {
            "IdentityProviderArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the
<code>IdentityProvider</code> resource that contains details \n\t\t\tabout a registered identity provider. In the case
of Active Directory, that can be \n\t\t\ta self-managed Active Directory or an Amazon Web Services Managed
Active Directory that contains user identity details.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseServerSettings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings",
                "traits": {
                    "smithy.api#documentation": "<p>The <code>LicenseServerSettings</code> resource to create for
the endpoint. The \n\t\t\tsettings include the type of license server and the Secrets Manager secret that \n\t\t\tenables
administrators to add or remove users associated with the \n\t\t\tlicense server.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The tags that apply for the license server endpoint.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse":
{
        "type": "structure",
        "members": {
            "IdentityProviderArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider
specified in the request.</p>"
                }
            },
```

"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The ARN of the <code>LicenseServerEndpoint</code> resource. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider": {
"type": "union",
"members": {
"SecretsManagerCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider",
"traits": {
"smithy.api#documentation": " Identifies the Secrets Manager secret that contains credentials needed for \n\t\t\tuser administration in the Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains information about the credential provider for user \n\t\t\tadministration. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

}
],
"traits": {
"smithy.api#documentation": " Deletes a <code>LicenseServerEndpoint</code> resource. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/DeleteLicenseServerEndpoint"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest": {
"type": "structure",
"members": {
"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the
<code>LicenseServerEndpoint</code> \n\t\t\tresource to delete. ",
"smithy.api#required": {}
}
},
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of License Server that the delete request refers to. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse": {
"type": "structure",

"members": {
"LicenseServerEndpoint": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint",
"traits": {
"smithy.api#documentation": " Shows details from the <code>LicenseServerEndpoint</code> resource that was deleted. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deregisters the Active Directory identity provider from License Manager user-based subscriptions. ",
"smithy.api#http": {

"code": 200,
"method": "POST",
"uri": "/identity-provider/DeregisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest":
{
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the Active Directory identity provider. "
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n "
}
},
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",

"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the identity provider to deregister. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#Directory":
{
"type": "string",
"traits": {
"smithy.api#pattern": "^(d|sd)-[0-9a-f]{10}$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based

subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/DisassociateUser"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest":
{
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the Active Directory identity provider for the
user. "
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance which provides user-based
subscriptions. "
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the Active Directory identity
provider. "

}
},
"InstanceUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the user to disassociate
from the EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains
information for the user to disassociate. "
}

```
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
        "type": "structure",
        "members": {
            "InstanceUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
                 "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings": {
        "type": "structure",
        "members": {
            "Subnets": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
                "traits": {
                    "smithy.api#documentation": "<p>Contains a list of subnets that apply for the Active Directory
domain.</p>",
                    "smithy.api#length": {
                        "min": 1
                    },
                    "smithy.api#required": {}

        }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Contains network settings for the Active Directory domain.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Filter": {
        "type": "structure",
        "members": {
            "Attribute": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of an attribute to use as a filter.</p>"
```

```
            }
        },
        "Operation": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The type of search (For example, eq, geq, leq)</p>"
            }
        },
        "Value": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation":
 "<p>Value of the filter.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>A filter name and value pair that is used to return more specific results
from a describe\n\t\t\tor list operation. You can use filters can be used to match a set of resources by specific
\n\t\t\tcriteria, such as tags, attributes, or IDs.</p>"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#FilterList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
    "type": "union",
    "members": {
        "ActiveDirectoryIdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
            "traits": {

                "smithy.api#documentation": "<p>The <code>ActiveDirectoryIdentityProvider</code> resource
contains settings \n\t\t\tand other details about a specific Active Directory identity provider.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Refers to an identity provider.</p>"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
    "type": "structure",
    "members": {
        "IdentityProvider": {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The <code>IdentityProvider</code> resource contains information about \n\t\t\tan identity provider. ",
"smithy.api#required": {}
}
},
"Settings": {

"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The <code>Settings</code> resource contains details about the registered \n\t\t\tidentity providers product related configuration settings, such as the \n\t\t\tsubnets to provision VPC endpoints. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the identity provider. ",

"smithy.api#required": {}
}
},
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider. "
}
},
"FailureMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The failure message associated with an identity provider. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an identity provider. "
}

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
      "type": "structure",
      "members": {
        "InstanceId": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
            "smithy.api#required": {}
          }
        },
        "Status": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The status of an EC2 instance resource.</p>",
            "smithy.api#required": {}
          }
        },
        "Products": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
          "traits":
{
            "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
            "smithy.api#required": {}
          }
        },
        "LastStatusCheckDate": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The date of the last status check.</p>"
          }
        },
        "StatusMessage": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
```

```
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {

  "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance that provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {

      "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>The <code>IdentityProvider</code> resource specifies details
\n\t\t\tabout the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of a user associated with an EC2 instance.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceUserArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the instance
user.</p>"
```

```
            }

  },
            "StatusMessage": {
              "target": "smithy.api#String",
              "traits": {
                "smithy.api#documentation": "<p>The status message for users of an EC2 instance.</p>"
              }
            },
            "Domain": {
              "target": "smithy.api#String",
              "traits": {
                "smithy.api#documentation": "<p>The domain name of the  Active Directory that contains the user
information for the product subscription.</p>"
              }
            },
            "AssociationDate": {
              "target": "smithy.api#String",
              "traits": {
                "smithy.api#documentation": "<p>The date a user was associated with an EC2 instance.</p>"
              }
            },
            "DisassociationDate": {
              "target": "smithy.api#String",
              "traits": {

            "smithy.api#documentation": "<p>The date a user was disassociated from an EC2 instance.</p>"
              }
            }
          },
          "traits": {
            "smithy.api#documentation": "<p>Describes users of an EC2 instance providing user-based
subscriptions.</p>"
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
          "type": "list",
          "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
          "type": "structure",
          "members": {
            "message": {
              "target": "smithy.api#String"
            }
          },
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    "traits": {
        "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
        "smithy.api#error": "server",
         "smithy.api#httpError": 500
    }
},
"com.amazonaws.licensemanagerusersubscriptions#IpV4": {
    "type": "string",
    "traits": {
        "smithy.api#pattern": "^(?:(25[0-5]|2[0-4][0-9]|1[0-9][0-9]|[1-9][0-9]|[0-9])(\\.(?!$)|$)){4}$"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#IpV4List": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#IpV4"
    }
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"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
    "type": "service",
    "version": "2018-05-10",
    "operations": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint"

    },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints"
        },
        {
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        "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
    },
    {

      "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#TagResource"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResource"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
     }
],
"traits": {
    "aws.api#service": {
        "sdkId": "License Manager User Subscriptions",
        "arnNamespace": "license-manager-user-subscriptions",
        "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
    },
    "aws.auth#sigv4": {
        "name": "license-manager-user-subscriptions"
    },
    "aws.protocols#restJson1": {},
    "smithy.api#cors": {
        "additionalAllowedHeaders": [
            "*",
            "content-type",
            "x-amz-content-sha256",
            "x-amz-user-agent",
            "x-amzn-platform-id",
            "x-amzn-trace-id",
            "content-length",
            "x-api-key",
```

"authorization",
"x-amz-date",
"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n\t\ta per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn":
"AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured
endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",

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            "type": "String"
        }
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    "rules": [
        {
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                    "fn": "isSet",
                    "argv": [
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                            "ref": "Endpoint"
                        }
                    ]
                }
            ],

    "rules": [
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                            "fn": "booleanEquals",
                            "argv": [
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                                    "ref": "UseFIPS"
                                },
                                true
                            ]
                        }
                    ],
                    "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                    "type": "error"
                },
                {
                    "conditions": [
                        {

"fn": "booleanEquals",
                            "argv": [
                                {
                                    "ref": "UseDualStack"
                                },
                                true
                            ]
                        }
                    ],
                    "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                    "type": "error"
                },
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                      "ref": "Endpoint"
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                "headers": {}
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                  "type": "endpoint"
                }
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              "type": "tree"
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                  "fn": "isSet",
                  "argv": [
                    {
                      "ref": "Region"
                    }
                  ]
                }
              ],
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                  "conditions": [
                    {
                      "fn": "aws.partition",
                      "argv":
[
                        {
                          "ref": "Region"
                        }
                      ],
                      "assign": "PartitionResult"
                    }
                  ],
                  "rules": [
                    {
                      "conditions": [
                        {
                          "fn": "booleanEquals",
                          "argv": [
                            {
                              "ref": "UseFIPS"
```

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                    },
                    true

            ]
                },
                {
                  "fn": "booleanEquals",
                  "argv": [
                    {
                      "ref": "UseDualStack"
                    },
                    true
                  ]
                }
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              "rules": [
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              "argv": [
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                        {
                          "fn": "getAttr",
                          "argv": [
                            {
                              "ref": "PartitionResult"
                            },
                            "supportsFIPS"
                          ]
                        }
                      ]
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{
                      "fn": "booleanEquals",
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                          "fn": "getAttr",
                          "argv": [
                            {
                              "ref": "PartitionResult"
                            },
                            "supportsDualStack"
                          ]
                        }
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                    ]

                }
            ],
            "rules": [
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                    "conditions": [],
                    "endpoint": {
                        "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                        "properties": {},
                        "headers": {}
                    },
                    "type": "endpoint"
                }
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        "type": "tree"
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                {
                    "conditions": [],
                    "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
                    "type": "error"
                }
            ],
            "type": "tree"
        },
        {
            "conditions": [
                {
                    "fn": "booleanEquals",
                    "argv": [
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      "ref": "UseFIPS"
                        },
                        true
                    ]
                }
            ],
            "rules": [
                {
                    "conditions": [
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                            "fn": "booleanEquals",
                            "argv": [
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"fn": "getAttr",
"argv": [
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"ref": "PartitionResult"
},
"supportsFIPS"
]
},
true
]
}
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"rules": [
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"conditions": [],
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"properties": {},
"headers": {}
},
"type": "endpoint"
}
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"type": "tree"
},
{
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"error": "FIPS is enabled but this partition does not support FIPS",
"type": "error"
}

],
"type": "tree"
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"conditions": [
{
"fn": "booleanEquals",
"argv": [
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"ref": "UseDualStack"
},
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                            "argv": [
                              {
                                "ref": "PartitionResult"
                              },
                              "supportsDualStack"
                            ]
                          }

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                    ],
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subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                          "properties": {},
                          "headers": {}
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                        "type": "endpoint"
                      }
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                     "type": "tree"
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                    "type": "error"
                  }
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              },
              {
                "conditions": [],
                "endpoint": {
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subscriptions.{Region}.{PartitionResult#dnsSuffix}",
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"headers": {}
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},
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"error": "Invalid Configuration: Missing Region",
"type": "error"
}
]
},
"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint":
{
"url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,

"UseDualStack": false
}
},

{
"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {

"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack":
true
}
},
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}

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            },
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              "UseFIPS": true,
              "UseDualStack": false
            }
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          {
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            "expect": {
              "endpoint": {
                "url":
"https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
              }
            },
            "params": {
              "Region": "cn-north-1",
              "UseFIPS": false,
              "UseDualStack": true
            }
          },
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            "expect": {
              "endpoint": {
                "url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
              }
            },
            "params": {
              "Region": "cn-north-1",
              "UseFIPS": false,
              "UseDualStack":
false
            }
          },
          {
            "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
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                "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
              }
            },
            "params": {
              "Region": "us-gov-east-1",
              "UseFIPS": true,
              "UseDualStack": true
            }
          },
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{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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"params": {
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"params": {
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"UseFIPS": false,
"UseDualStack":
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"expect": {
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"url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition
does not support one or both"
},
"params": {

"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
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{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},

"params": {
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"UseFIPS": false,
"UseDualStack": false
}
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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"

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            },
            "params": {
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              "UseDualStack": true
            }
          },
          {
            "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",

"expect": {
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              }
            },
            "params": {
              "Region": "us-isob-east-1",
              "UseFIPS": true,
              "UseDualStack": false
            }
          },
          {
            "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
              "error": "DualStack is enabled but this partition does not support DualStack"
            },
            "params": {
              "Region": "us-isob-east-1",
              "UseFIPS": false,

      "UseDualStack": true
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          },
          {
            "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
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                "url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
              }
            },
            "params": {
              "Region": "us-isob-east-1",
              "UseFIPS": false,
              "UseDualStack": false
            }
          },
          {
            "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
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"expect": {
"endpoint": {

"url": "https://example.com"
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
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{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
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"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",

"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServer": {
"type": "structure",
"members": {
"ProvisioningStatus": {
"target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
"traits": {
"smithy.api#documentation": " The current state of the provisioning process for the RDS
\n\t\t\tlicense server. "
}
},
"HealthStatus": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus",
"traits": {
"smithy.api#documentation": " The health status of the RDS license server. "
}
},
"Ipv4Address": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A list of domain IPv4 addresses that are used for the RDS
\n\t\t\tlicense server. "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a Remote Desktop Services (RDS) license
server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint": {
"type": "structure",

"members": {
"IdentityProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider that's associated with \n\t\t\tthe RDS license server endpoint. "
}
},
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of license server. "
}
},
"ServerEndpoint": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint",
"traits": {
"smithy.api#documentation": " The <code>ServerEndpoint</code> resource contains the network \n\t\t\taddress of the RDS license server endpoint. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The message associated with the provisioning status, if there is one. "
}
},
"LicenseServerEndpointId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId",
"traits": {
"smithy.api#documentation": " The ID of the license server endpoint. "
}
},
"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The ARN of the <code>ServerEndpoint</code> resource for the RDS \n\t\t\tlicense server. "
}
},
"LicenseServerEndpointProvisioningStatus": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
"traits": {
"smithy.api#documentation": " The current state of the provisioning process for the RDS license \n\t\t\tserver endpoint "

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                }
            },
            "LicenseServers": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of <code>LicenseServer</code> resources that represent
the \n\t\t\tlicense servers that are accessed through this endpoint.</p>"
                }
            },
            "CreationTime": {

        "target": "smithy.api#Timestamp",
                "traits": {
                    "smithy.api#documentation": "<p>The timestamp when License Manager created the license server
endpoint.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Contains details about a network endpoint for a Remote Desktop
Services (RDS) \n\t\t\tlicense server.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId": {
        "type": "string"
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus": {
        "type": "string",
        "traits":
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            "smithy.api#enum": [
                {
                    "name": "PROVISIONING",
                    "value": "PROVISIONING",
                    "documentation": ""
                },
                {
                    "name": "PROVISIONING_FAILED",
                    "value": "PROVISIONING_FAILED",
                    "documentation": ""
                },
                {
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"name": "PROVISIONED",
"value": "PROVISIONED",
"documentation": ""
},
{
"name": "DELETING",
"value": "DELETING",
"documentation": ""
},
{
"name": "DELETION_FAILED",
"value": "DELETION_FAILED",
"documentation": ""
},
{
"name": "DELETED",
"value": "DELETED",
"documentation": ""
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "HEALTHY",
"value": "HEALTHY",
"documentation": ""
},
{
"name": "UNHEALTHY",
"value": "UNHEALTHY",
"documentation": ""
},
{
"name": "NOT_APPLICABLE",
"value": "NOT_APPLICABLE",
"documentation": ""
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerList":
{
"type": "list",
"member": {

"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServer"
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings": {
"type": "structure",
"members": {
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of license server. ",
"smithy.api#required": {}
}
},
"ServerSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerSettings",
"traits": {
"smithy.api#documentation": " The <code>ServerSettings</code> resource contains the settings for your \n\t\t\tserver. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The settings to configure your license server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},

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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the Active Directory identity providers for user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/ListIdentityProviders"
            },

         "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "IdentityProviderSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
        "type": "structure",
        "members": {
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
    <ul>\n        <li>\n            <p>Product</p>\n        </li>\n        <li>\n            <p>DirectoryId</p>\n
  </li>\n      </ul>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
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"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse": {
"type": "structure",
"members": {
"IdentityProviderSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
"traits": {

"smithy.api#documentation": " An array of <code>IdentityProviderSummary</code> resources that contain \n\t\t\tdetails about the Active Directory identity providers that meet the request criteria. ",
"smithy.api#required": {}
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the EC2 instances providing user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/instance/ListInstances"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
"type": "structure",
"members": {
"MaxResults": {

"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken

\n\tfrom a previously truncated response. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n
\n \n Status \n \n \n InstanceId \n
\n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
"type": "structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
"traits": {
"smithy.api#documentation": " An array of <code>InstanceSummary</code> resources that
contain details \n\t\t\tabout the instances that provide user-based subscriptions and also meet the \n\t\t\trequest
criteria. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When
this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token
\n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List the Remote Desktop Services (RDS) License Server endpoints
",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/ListLicenseServerEndpoints"
},
"smithy.api#paginated": {

"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "LicenseServerEndpoints"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single
request. ",
"smithy.api#range": {
"min": 1,
"max": 100

```
                }
            }
        },
        "Filters": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
            "traits":
 {
                "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
<ul>\n            <li>\n              <p>IdentityProviderArn</p>\n            </li>\n        </ul>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse": {
    "type": "structure",
    "members": {
        "LicenseServerEndpoints": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList",
             "traits": {
                "smithy.api#documentation": "<p>An array of <code>LicenseServerEndpoint</code> resources that
\n\t\t\tcontain detailed information about the RDS License Servers that meet \n\t\t\tthe request criteria.</p>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to retrieve additional objects.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
    "type": "operation",
```

"input": {

"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the user-based subscription products available from an identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListProductSubscriptions"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "ProductUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
"type":

"structure",
"members": {
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n
Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
"
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {

"smithy.api#documentation": " The maximum number of results to return from a single
request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n
\n \n Status \n \n \n Username \n
\n \n Domain \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {

"type": "structure",
"members": {
"ProductUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to
retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

}
],
"traits": {
"smithy.api#documentation": " Returns the list of tags for the specified resource. ",
"smithy.api#http": {
"method": "GET",
"uri": "/tags/{ResourceArn}"

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            },
            "smithy.api#readonly": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource whose tags
you want to retrieve.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {

    "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The tags for the specified resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
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{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits":
{
"smithy.api#documentation": " Lists user associations for an identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListUserAssociations"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required":
{}
}
},
"IdentityProvider": {

"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Status \n \n \n Username \n \n \n Domain \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
"type": "structure",
"members": {
"InstanceUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list user association operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "

```
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
        "type": "structure",
        "members": {
          "Username": {
            "target": "smithy.api#String",
            "traits":
 {
              "smithy.api#documentation": "<p>The user name from the identity provider for this product
user.</p>",
              "smithy.api#required": {}
            }
          },
          "Product": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
              "smithy.api#required": {}
            }
          },
          "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
              "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
              "smithy.api#required": {}
            }
          },
          "Status": {
            "target": "smithy.api#String",

            "traits": {
              "smithy.api#documentation": "<p>The status of a product for this user.</p>",
              "smithy.api#required": {}
            }
          },
          "ProductUserArn": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
            "traits": {
              "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) for this product user.</p>"
            }
          },
          "StatusMessage": {
```

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for a product for this user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains the user information for the product subscription. "
}
},
"SubscriptionStartDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The start date of a subscription. "
}
},
"SubscriptionEndDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The end date of a subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " A summary of the user-based subscription products for a specific user. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings": {
"type": "structure",
"members": {
"RdsSalCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
"traits": {
"smithy.api#documentation": " The <code>CredentialsProvider</code> resource contains a reference to \n\t\t\tthe credentials provider that's used for RDS license server user administration. ",
"smithy.api#required": {}
}
}
},

"traits": {
"smithy.api#documentation": " Server settings that are specific to a Remote Desktop Services (RDS) license server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
"type":
"operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Registers an identity provider for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/RegisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {

"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider to register. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration \n\t\t\tsettings such as the subnets to provision VPC endpoints. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply to the identity provider's registration. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,510})/([a-z0-9-\\.]{1,510})$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The resource couldn't be found. ",
"smithy.api#error": "client",
"smithy.api#httpError": 404
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider": {
"type": "structure",
"members": {
"SecretId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the Secrets Manager secret that contains credentials. ",
"smithy.api#length": {
"min": 1
}
}
}
},
"traits": {
"smithy.api#documentation": " Contains a credentials secret that's stored in Secrets Manager. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {

```
        "type": "string",
        "traits": {
          "smithy.api#length": {
            "min": 5,
            "max": 200
          },
          "smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint": {
        "type": "structure",
        "members": {
          "Endpoint": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The network address of the endpoint.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>A network endpoint through which you can access one or more
servers.</p>"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ServerSettings": {
        "type": "union",
        "members": {
          "RdsSalSettings": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings",
            "traits": {
              "smithy.api#documentation": "<p>The <code>RdsSalSettings</code> resource
 contains settings to configure \n\t\t\ta specific Remote Desktop Services (RDS) license server.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Contains settings for a specific server.</p>"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ServerType": {
        "type": "string",
        "traits": {
          "smithy.api#enum": [
            {
              "name": "RDS_SAL",
              "value": "RDS_SAL",
              "documentation": ""
            }
```

```
            ]
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
          "type": "structure",
          "members": {
            "message": {
              "target": "smithy.api#String"
            }
          },
          "traits": {
            "smithy.api#documentation":
 "<p>The request failed because a service quota is exceeded.</p>",
            "smithy.api#error": "client"
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#Settings": {
          "type": "structure",
          "members": {
            "Subnets": {
              "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
              "traits": {
                "smithy.api#documentation": "<p>The subnets defined for the registered identity provider.</p>",
                "smithy.api#length": {
                  "min": 1
                },
                "smithy.api#required": {}
              }
            },
            "SecurityGroupId": {
              "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
              "traits": {
                "smithy.api#documentation": "<p>A security group ID that allows inbound
 TCP port 1688 communication between resources in\n\t\t\tyour VPC and the VPC endpoint for activation
servers.</p>",
                "smithy.api#required": {}
              }
            }
          },
          "traits": {
            "smithy.api#documentation": "<p>The registered identity providers product related configuration settings
such as the\n\t\t\tsubnets to provision VPC endpoints, and the security group ID that is associated with the
VPC\n\t\t\tendpoints. The security group should permit inbound TCP port 1688 communication from
resources\n\t\t\tin the VPC.</p>"
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
          "type": "operation",
```

"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Starts a product subscription for a user with the specified identity provider. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your\n\t\t\t\tmonthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StartProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
"type":
"structure",
"members": {
"Username": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n
Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code>
| <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains the user
for whom to start the product \n\t\t\tsubscription. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply to the product subscription. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse":
{
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {

"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],

"traits": {
"smithy.api#documentation": " Stops a product subscription for a user with the specified identity provider. ",
"smithy.api#http": {
"code": 200,

```
            "method": "POST",
            "uri": "/user/StopProductSubscription"
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
        "type": "structure",
        "members": {
          "Username": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>"
            }
          },
          "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
              "smithy.api#documentation": "<p>An
object that specifies details for the identity provider.</p>"
            }
          },
          "Product": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
            }
          },
          "ProductUserArn": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
            "traits": {
              "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the product user.</p>"
            }
          },
          "Domain": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The
domain name of the  Active Directory that contains the user for whom to stop the product \n\t\t\tsubscription.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
```

"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Subnet": {
"type": "string",
"traits": {
"smithy.api#pattern": "^subnet-[a-z0-9]{8,17}"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Subnets": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
}
},
"com.amazonaws.licensemanagerusersubscriptions#TagKeyList": {
"type": "list",
"member": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#TagResource": {

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Adds tags to a resource. ",
"smithy.api#http": {
"method": "PUT",
"uri": "/tags/{ResourceArn}"
},

"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource that you want to tag. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags to apply to the specified resource. ",
"smithy.api#required": {}
}
}

```
        },
        "traits":
{
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Tags": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
        "value": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }

     },
        "traits": {
            "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the
request.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest"
        },
```

```
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Removes
 tags from a resource.</p>",
            "smithy.api#http": {
                "method": "DELETE",
                "uri": "/tags/{ResourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want
 to remove tags from.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "TagKeys": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#TagKeyList",
                "traits": {

 "smithy.api#documentation": "<p>The tag keys to remove from the resource.</p>",
                    "smithy.api#httpQuery": "tagKeys",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse": {
```

"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates additional product configuration settings for the registered identity\n\t\t\tprovider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/UpdateIdentityProviderSettings"
},
"smithy.api#idempotent": {}

}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider"
},
"Product": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n
Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
"
}
},
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the
identity provider to update. "
}
},
"UpdateSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related
configuration settings. You can\n\t\t\tupdate any combination of settings in a single operation such as the: \n
\n \n Subnets which you want to add to provision VPC endpoints. \n \n
\n Subnets which you want to remove the VPC endpoints from. \n \n
\n Security group ID which permits traffic to the VPC endpoints. \n \n ",
"smithy.api#required": {}
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
"type": "structure",

"members": {
"AddSubnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets in which License Manager will create a VPC endpoint
for products that\n\t\t\trequire connectivity to activation servers. ",
"smithy.api#required": {}
}
},
"RemoveSubnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets to remove. ",
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688 communication between resources in\n\t\t\tyour VPC and the VPC endpoints for activation servers. "
}
}
},
"traits": {
"smithy.api#documentation":
" Updates the registered identity providers product related configuration settings such as\n\t\t\tthe subnets to provision VPC endpoints. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " A parameter is not valid. ",
"smithy.api#error": "client"
}
}
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32
```

```
 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack,
 options, "ListLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
```

```
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
 err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil
 {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "ListLicenses",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
```

```
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.Entitlement

 // Home Region for the license.
 //
 // This member is required.
 HomeRegion *string

 // License issuer.
 //
```

```
 // This member is required.
 Issuer *types.Issuer

 // License name.
 //
 // This member is required.
 LicenseName *string

 // Product name.
 //
 // This member is required.
 ProductName *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // Date and time range during which the license is valid, in ISO8601-UTC format.
 //
 // This member is required.
 Validity *types.DatetimeRange

 // Information about
 the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
```

```
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if
err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
```

```
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err
 = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack);
 err != nil {
  return err
```

```
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
```

```
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if
 err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
```

```
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if
 err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
 }
}
ListLicenses
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
```

```
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
```

```
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }
```

```
if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err
!= nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options);
```

```
 err != nil {
  return err
 }
 if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
```

CheckoutLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
DisassociateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation

spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AssociateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step

```
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
```

```
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {
```

```
 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
```

```
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
```

```
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options);
 err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
```

}
CheckInLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AWS SDK for Go
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Copyright 2014-2015 Stripe, Inc.
ListReceivedLicenses
Initialize stack step
spanInitializeStart

```
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
```

```
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
```

```
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err !=
 nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
```

```
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err
 != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
```

```
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if
 err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
CreateLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
```

Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "shapes": {
    "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
      "type": "integer"
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
      "type": "long"
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
        },
        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
        },

    {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
        },
        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
        }
      ],
      "traits": {
        "smithy.api#documentation": "<p>Remove a third-party subscription provider from the Bring Your Own
License (BYOL) subscriptions \n\t\t\tregistered to your account.</p>",
        "smithy.api#http": {
          "code": 200,
          "method": "POST",
```

```
            "uri": "/subscription/DeregisterSubscriptionProvider"
          },
          "smithy.api#idempotent": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
          "SubscriptionProviderArn": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
            "traits": {
              "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the subscription provider
resource to deregister.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
        "type": "structure",
        "members": {},
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
        "type": "structure",
        "members": {
          "Name": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The type of name to filter by.</p>"
            }
          },
          "Values": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
            "traits": {
              "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
            }
          },
          "Operator": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
            "traits": {
              "smithy.api#documentation": "<p>An operator for filtering results.</p>"
            }
```

```
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe
operation.\n      Filters can be used to match a set of resources by specific criteria.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
        "type":
 "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
        },
        "output": {
            "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
             },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Get details for a Bring Your Own License (BYOL) subscription that's
registered to your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/GetRegisteredSubscriptionProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
```

"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation":
" The Amazon Resource Name (ARN) of the BYOL registration resource to get details for. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) for the BYOL registration resource specified in the request. "
}
},
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

"traits": {
"smithy.api#documentation": " The subscription provider for the BYOL registration resource specified \n\t\t\tin the request. "
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " The status of the Linux subscription provider access token from the last \n\t\t\tsuccessful subscription data request. "
}
},

"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The detailed message from your subscription provider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time License Manager retrieved subscription details \n\t\t\tfrom your registered third-party Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions service settings for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetServiceSettings"

},
"smithy.api#idempotent": {}

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
        "type": "structure",
        "members": {}
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
                    "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
                }
            },
            "LinuxSubscriptionsDiscoverySettings": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
                "traits": {
                    "smithy.api#documentation": "<p>Lists
 the settings defined for Linux subscriptions discovery. The settings include if\n      Organizations integration has
been enabled, and which Regions data will be aggregated from.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
                "traits": {
                    "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
                }
            },
            "HomeRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                 "traits": {
                    "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
        "type": "structure",
```

"members": {
"AmiId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The AMI ID used to launch the instance. "
}
},
"InstanceID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The instance ID of the resource. "
}
},
"InstanceType": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The instance type of the resource. "
}
},
"AccountID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The account ID which owns the instance. "
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the instance. "
}
},
"Region": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},

"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the license subscription that the instance uses. "
}
},
"OsVersion": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The operating system software version that runs on your instance. "
}
},
"SubscriptionProviderCreateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp when you registered the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses. "
}
},
"SubscriptionProviderUpdateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that the instance synced with the registered \n\t\t\tthird-party Linux subscription provider. "
}
},
"DualSubscription": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Indicates that you have two different license subscriptions for \n\t\t\tthe same software on your instance. "
}

```
            },
            "RegisteredWithSubscriptionProvider": {
                "target": "smithy.api#String",
                "traits": {

    "smithy.api#documentation": "<p>Indicates that your instance uses a BYOL license subscription from \n\t\t\ta
third-party Linux subscription provider that you've registered with License Manager.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details discovered information about a running instance using Linux
subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>An exception occurred with the service.</p>",
            "smithy.api#error": "server"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
        "type": "service",
        "version": "2018-05-10",
        "operations": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
            },
            {
```

```
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
    }
],
"traits": {
    "aws.api#service": {
        "sdkId": "License Manager Linux Subscriptions",
        "arnNamespace": "license-manager-linux-subscriptions",
        "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
    },
    "aws.auth#sigv4": {
        "name": "license-manager-linux-subscriptions"
    },
    "aws.protocols#restJson1": {},
    "smithy.api#cors": {
        "additionalAllowedHeaders": [
            "*",
            "content-type",
            "x-amz-content-sha256",
            "x-amz-user-agent",
            "x-amzn-platform-id",
            "x-amzn-trace-id"
        ],
        "additionalExposedHeaders": [
            "x-amzn-errortype",
            "x-amzn-requestid",
            "x-amzn-trace-id"
        ]
```

```
        },
        "smithy.api#documentation": "<p>With License Manager,
 you can discover and track your commercial Linux subscriptions on running\n      Amazon EC2 instances.</p>",
        "smithy.api#title": "AWS License Manager Linux Subscriptions",
        "smithy.rules#endpointRuleSet": {
          "version": "1.0",
          "parameters": {
            "Region": {
              "builtIn": "AWS::Region",
              "required": false,
              "documentation": "The AWS region used to dispatch the request.",
              "type": "String"
            },
            "UseDualStack": {
              "builtIn": "AWS::UseDualStack",
              "required": true,
              "default": false,
              "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
               "type": "Boolean"
            },
            "UseFIPS": {
              "builtIn": "AWS::UseFIPS",
              "required": true,
              "default": false,
              "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
              "type": "Boolean"
            },
            "Endpoint": {
              "builtIn": "SDK::Endpoint",
              "required": false,
              "documentation": "Override the endpoint used to send this request",
              "type": "String"
            }
          },
          "rules": [
            {
              "conditions": [
                  {
                    "fn": "isSet",
                    "argv": [
                        {
                          "ref": "Endpoint"
                        }
                    ]
                  }
              ],
```

```
                "rules": [
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    {
                                        "ref": "UseFIPS"
                                    },
                                    true
                                ]
                            }

        ],
                        "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                        "type": "error"
                    },
                    {
                        "conditions": [],
                        "rules": [
                            {
                                "conditions": [
                                    {
                                        "fn": "booleanEquals",
                                        "argv": [
                                            {
                                                "ref": "UseDualStack"
                                            },
                                            true
                                        ]

}
                                ],
                                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                                "type": "error"
                            },
                            {
                                "conditions": [],
                                "endpoint": {
                                    "url": {
                                        "ref": "Endpoint"
                                    },
                                    "properties": {},
                                    "headers": {}
                                },
                                "type": "endpoint"
                            }
                        ],
```

```
            "type": "tree"

        }
        ],
        "type": "tree"
    },
    {
        "conditions": [],
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "isSet",
                        "argv": [
                            {
                                "ref": "Region"
                            }
                        ]
                    }
                ],
                "rules": [
                    {
                        "conditions": [
                            {

        "fn": "aws.partition",
                                "argv": [
                                    {
                                        "ref": "Region"
                                    }
                                ],
                                "assign": "PartitionResult"
                            }
                        ],
                        "rules": [
                            {
                                "conditions": [
                                    {
                                        "fn": "booleanEquals",
                                        "argv": [
                                            {

                                    "ref": "UseFIPS"
                                            },
                                            true
                                        ]
                                    },
                                    {
```

```
                    "fn": "booleanEquals",
                    "argv": [
                      {
                        "ref": "UseDualStack"
                      },
                      true
                    ]
                  }

  ],
                "rules": [
                  {
                    "conditions": [
                      {
                        "fn": "booleanEquals",
                        "argv": [
                          true,
                          {
                            "fn": "getAttr",
                            "argv": [
                              {
                                "ref": "PartitionResult"

        },
                              "supportsFIPS"
                            ]
                          }
                        ]
                      },
                      {
                        "fn": "booleanEquals",
                        "argv": [
                          true,
                          {
                            "fn": "getAttr",
                            "argv": [

                             {
                                "ref": "PartitionResult"
                              },
                              "supportsDualStack"
                            ]
                          }
                        ]
                      }
                    ],
                    "rules": [
                      {
```

"conditions": [],

"rules": [
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
],

"type": "tree"
}
],
"type": "tree"
},
{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
],
"type": "tree"
},
{

"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"
},
true
]
}
],
"rules": [
{
"conditions": [
{

"fn": "booleanEquals",
"argv": [
{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsFIPS"
]
},
true

]
}
],
"rules": [
{
"conditions": [],
"rules": [
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.{Region}.{PartitionResult#dnsSuffix}",

"properties": {},
"headers": {}
},
"type": "endpoint"
}
],
"type": "tree"
}
],
"type": "tree"
},
{
"conditions": [],
"error": "FIPS is enabled but this partition does not support FIPS",
"type": "error"
}
],
"type": "tree"
},
{
"conditions": [

```
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            {
                                "ref": "UseDualStack"
                            },
                            true

                ]
                    }
                ],
                "rules": [
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    true,
                                    {
                                        "fn": "getAttr",
                                        "argv": [
                                            {

                                            "ref": "PartitionResult"
                                            },
                                            "supportsDualStack"
                                        ]
                                    }
                                ]
                            }
                        ],
                        "rules": [
                            {
                                "conditions": [],
                                "rules": [

        {
                                        "conditions": [],
                                        "endpoint": {
                                            "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                            "properties": {},
                                            "headers": {}
                                        },
                                        "type": "endpoint"
                                    }
                                ],
                                "type": "tree"
```

```
                    }
                                ],
                                "type": "tree"
                            },
                            {
                                "conditions": [],
                                "error": "DualStack is enabled but this partition does not support DualStack",
                                "type": "error"
                            }
                        ],
                        "type": "tree"
                    },
                    {
                        "conditions": [],
                        "rules": [
                            {
                                "conditions": [],
                                "endpoint": {
                                    "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
                                    "properties": {},
                                    "headers": {}
                                },
                                "type": "endpoint"
                            }
                        ],
                        "type": "tree"
                    }
                ],
                "type": "tree"
            }
        ],
        "type": "tree"
    },
    {
        "conditions": [],
        "error": "Invalid Configuration: Missing Region",
        "type": "error"
    }
],
"type": "tree"
}
]
},
"smithy.rules#endpointTests": {
    "testCases": [
        {
```

"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"

}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{

"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
}

```
        },
            "params": {
              "Region": "us-east-1",
              "UseFIPS": false,
              "UseDualStack": false
            }
          },
          {
            "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-linux-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
              }
            },
            "params": {
              "Region": "cn-north-1",
              "UseFIPS": true,
              "UseDualStack": true
            }
          },
          {

 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
              }
            },
            "params": {
              "Region": "cn-north-1",
              "UseFIPS": true,
              "UseDualStack": false
            }
          },
          {
            "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
              }
             },
            "params": {
              "Region": "cn-north-1",
              "UseFIPS": false,
              "UseDualStack": true
            }
          },
```

```
            {
              "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
                }
              },
              "params": {
                "Region": "cn-north-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {

"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
                }
              },
              "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": true,
                "UseDualStack": true
              }
            },
            {
              "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
                }

             },
              "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": true,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
                }
              },
```

"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {

"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack

enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS":
false,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},

{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},

"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{

"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {

"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
"type": "string",
"traits": {
"smithy.api#enum": [
{

"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled LinuxSubscriptionsDiscovery"

},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled LinuxSubscriptionsDiscovery"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
"type": "structure",
"members": {
"SourceRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Regions in which to discover data for Linux subscriptions. ",
"smithy.api#required": {}
}
},
"OrganizationIntegration": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
"traits": {
"smithy.api#documentation": " Details if you have enabled resource discovery across your accounts in Organizations. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Lists the settings defined for discovering Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

```
            },

  {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the running Amazon EC2 instances that were discovered with
commercial Linux\n      subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListLinuxSubscriptionInstances"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "Instances"
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":
 {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results by your
specified criteria. \n    \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the
\n    \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n
\t<code>Value</code>, such as <code>us-west</code>.</p>\n        <p>For each filter, you can specify one of the
following values for the <code>Name</code> key \n    \tto streamline results:</p>\n        <ul>\n            <li>\n
   <p>\n                <code>AccountID</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
      <code>AmiID</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>DualSubscription</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>InstanceID</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>InstanceType</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>ProductCode</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>Region</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>Status</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>UsageOperation</code>\n            </p>\n          </li>\n        </ul>\n        <p>For each filter, you can use
one of the following <code>Operator</code>
```

values to \n \t\tdefine the behavior of the filter: \n \n \n \n
<code>contains</code>\n \n \n \n \n
<code>equals</code>\n \n \n \n \n
<code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to
start paginating. This \n\tis the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
"type": "structure",
"members": {
"Instances": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
"traits": {
"smithy.api#documentation": " An array that contains instance objects. "
}
},
"NextToken": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects. "
}
}
}

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
             {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the Linux subscriptions that have been discovered. If you have
linked your\n      organization, the returned results will include data aggregated across your accounts in\n
Organizations.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListLinuxSubscriptions"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",

   "items": "Subscriptions"
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify. For example, you can filter by the name of\n
 <code>Subscription</code> with an optional operator to see subscriptions that match,\n      partially match, or don't
```

match a certain subscription's name. \n The valid names for this filter are: \n \n
\n \n <code>Subscription</code>\n \n \n \n
The
 valid Operators for this filter are: \n \n \n \n
<code>contains</code>\n \n \n \n \n
<code>equals</code>\n \n \n \n \n
<code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis
 the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
"type": "structure",
"members": {
"Subscriptions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
"traits": {
"smithy.api#documentation": " An array that contains subscription objects. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects. "
}

```
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
        "type": "operation",
        "input": {
            "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
        },
        "output": {
            "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>List Bring Your Own License (BYOL) subscription registration
resources for your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListRegisteredSubscriptionProviders"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "RegisteredSubscriptionProviders"
            }
        }

    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSources": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
```

"traits": {
"smithy.api#documentation": " To filter your results, specify which subscription providers to return \n\t\t\tin the list. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. ",
"smithy.api#range": {
"min": 1,
"max": 100
}
}

},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis the nextToken from a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
"type": "structure",
"members": {
"RegisteredSubscriptionProviders": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
"traits": {
"smithy.api#documentation": " The list of BYOL registration resources that fit the criteria \n\t\t\tyou specified in the request. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
},

"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List the metadata tags that are assigned to the \n\t\t\tspecified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "GET",
"uri": "/tags/{resourceArn}"
},
"smithy.api#readonly": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource for which to list metadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
}
},
"traits": {

```
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags for the requested resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "EQUAL",
                    "value": "Equal",
                    "documentation": "Equal operator"
                },
                {
                    "name": "NOT_EQUAL",
                    "value": "NotEqual",
                    "documentation": "Not equal operator"
                },
                {
                    "name": "CONTAINS",
                    "value": "Contains",
                    "documentation": "Contains operator"
                }
            ],
            "smithy.api#length": {
                "min": 1,
                "max": 20
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
        "type": "string",
        "traits": {
            "smithy.api#enum": [
```

```
            {
                "name": "Enabled",
                "value": "Enabled",
                "documentation": "Enabled OrganizationIntegration"
            },
            {
                "name": "Disabled",
                "value": "Disabled",
                "documentation": "Disabled OrganizationIntegration"
            }
        ]
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Register the supported third-party subscription provider for your Bring
Your Own License (BYOL) subscription.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/subscription/RegisterSubscriptionProvider"

        },
        "smithy.api#idempotent": {}
```

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation": "<p>The supported Linux subscription provider to register.</p>",
                    "smithy.api#required": {}
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the secret where you've
stored your subscription provider's access token. For \n\t\t\tRHEL subscriptions managed through the
 Red Hat Subscription Manager (RHSM), the secret contains \n\t\t\tyour Red Hat Offline token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags to assign to your registered Linux subscription
provider \n\t\t\tresource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation":
 "<p>The Linux subscription provider that you registered.</p>"
                }
            },
            "SubscriptionProviderArn": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
```

```
                }
            },
            "SubscriptionProviderStatus": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of the registration action for the Linux
subscription provider \n\t\t\tthat you requested.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider":
 {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
                }
            },
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation": "<p>A supported third-party Linux subscription provider. License
Manager currently supports \n\t\t\tRed Hat subscriptions.</p>"
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                 "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Secrets Manager secret
that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is
the offline token.</p>"
                }
            },
            "SubscriptionProviderStatus": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of your registered Linux subscription provider
access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions,
\n\t\t\tthis is the status of the offline token.</p>"
                }
            },
```

"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " A detailed message that's associated with your BYOL subscription \n\t\t\tprovider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that License Manager accessed third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#documentation": " A third-party provider for operating system (OS) platform software and license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider, License Manager can get subscription data from the registered provider. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " Unable to find the requested Amazon Web Services resource. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-\\.]{0,63}:secret:[^/]{1,1023}$"

```
}
  },
  "com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
    "type": "string",
    "traits": {
      "smithy.api#enum": [
        {
          "name": "InProgress",
          "value": "InProgress",
          "documentation": "InProgress status"
        },
        {
          "name": "Completed",
          "value": "Completed",
          "documentation": "Completed status"
        },
        {
          "name": "Successful",
          "value": "Successful",
          "documentation": "Successful status"
        },
        {
          "name": "Failed",
          "value": "Failed",
          "documentation": "Failed status"
        }
      ]
    }
  },

  "com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
    "type": "list",
    "member": {
      "target": "smithy.api#String",
      "traits": {
        "smithy.api#length": {
          "min": 1,
          "max": 100
        }
      }
    },
    "traits": {
      "smithy.api#length": {
        "min": 1,
        "max": 100
      },
      "smithy.api#uniqueItems": {}
    }
```

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
        "value": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
        "type": "structure",
        "members": {
            "Name":
{
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the subscription.</p>"
                }
            },
            "Type": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included
with Amazon EC2, Bring Your Own\n      Subscription model (BYOS), or from the Amazon Web Services
Marketplace. Certain subscriptions may use licensing from the\n      Amazon Web Services Marketplace as well as
OS licensing from Amazon EC2 or BYOS.</p>"
                }
            },
            "InstanceCount": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>The total amount of running instances using this
subscription.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>An object which details a discovered Linux subscription.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
```

"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
"type": "string",
"traits": {
"smithy.api#enum": [

{
"name": "RedHat",
"value": "RedHat",
"documentation": "RedHat subscription provider namespace"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "ACTIVE",
"value": "ACTIVE",
"documentation": "ACTIVE status"
},
{
"name": "INVALID",
"value": "INVALID",

"documentation": "INVALID status"
},
{
"name": "PENDING",
"value": "PENDING",
"documentation": "PENDING status"
}
]
}
},

"com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
"type": "list",
"member": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Add metadata tags to the specified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "PUT",
"uri": "/tags/{resourceArn}"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
"type": "structure",
"members":
{
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",

"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to which to add the specified \n\t\t\tmetadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to the Amazon Web Services resource. Tags are \n\t\t\tformatted as key value pairs. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
"type": "structure",
"members": {
"message": {

"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation":
" The request was denied due to request throttling. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
}
],
"traits": {
"smithy.api#documentation": " Remove one or more metadata tag from the specified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "DELETE",
"uri": "/tags/{resourceArn}"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
"type": "structure",
"members": {
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to remove the metadata tags from. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"tagKeys": {

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
"traits": {

"smithy.api#documentation": " A list of metadata tag keys to remove from the requested \n\t\t\tresource. ",
"smithy.api#httpQuery": "tagKeys",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"

},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates the service settings for Linux subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/UpdateServiceSettings"
},

"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Describes if the discovery of Linux subscriptions is enabled. ",
"smithy.api#required": {}
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. ",
"smithy.api#required": {}
}
},
"AllowUpdate": {
"target": "smithy.api#Boolean",
"traits": {
"smithy.api#documentation": " Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "

```
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
                "traits": {
                    "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
                }

        },
            "HomeRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
            "smithy.api#error": "client"
        }
    }
  }
}
```


GetLicense

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

spanInitializeEnd

Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckoutBorrowLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID

```
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
```

```
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription
```

```
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
```

```
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack,
c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
```

```
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err !=
 nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
```

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DeleteLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop

```
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
```

```
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
   - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
```

```
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err =
addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err !=
 nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
```

```
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
{
  "smithy": "2.0",
  "metadata": {
      "suppressions": [
          {
              "id": "HttpMethodSemantics",
              "namespace": "*"
          },
          {
              "id": "HttpResponseCodeSemantics",
              "namespace": "*"
          },
          {
              "id": "PaginatedTrait",
              "namespace": "*"
          },
          {
              "id": "HttpHeaderTrait",
              "namespace": "*"
          },
          {
              "id": "HttpUriConflict",
              "namespace": "*"
          },
          {
              "id": "Service",
              "namespace": "*"
          }
      ]
  },
  "shapes": {
      "com.amazonaws.licensemanager#AWSLicenseManager": {
          "type": "service",
          "version": "2018-08-01",
          "operations": [
              {
                  "target": "com.amazonaws.licensemanager#AcceptGrant"
              },

   {
                  "target": "com.amazonaws.licensemanager#CheckInLicense"
              },
              {
```

"target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
},
{
"target": "com.amazonaws.licensemanager#CheckoutLicense"
},
{
"target": "com.amazonaws.licensemanager#CreateGrant"
},
{
"target": "com.amazonaws.licensemanager#CreateGrantVersion"
},
{
"target": "com.amazonaws.licensemanager#CreateLicense"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseVersion"
},
{
"target": "com.amazonaws.licensemanager#CreateToken"
},
{
"target": "com.amazonaws.licensemanager#DeleteGrant"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicense"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#DeleteToken"
},
{
"target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

},
{
"target": "com.amazonaws.licensemanager#GetAccessToken"
},
{
"target": "com.amazonaws.licensemanager#GetGrant"
},
{
"target": "com.amazonaws.licensemanager#GetLicense"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseUsage"
},
{
"target": "com.amazonaws.licensemanager#GetServiceSettings"
},
{
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#ListDistributedGrants"
},
{
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
},
{
"target": "com.amazonaws.licensemanager#ListLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"

```
},
{

  "target": "com.amazonaws.licensemanager#ListLicenseVersions"
},
{
    "target": "com.amazonaws.licensemanager#ListReceivedGrants"
},
{
    "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
},
{
    "target": "com.amazonaws.licensemanager#ListReceivedLicenses"
},
{
    "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
},
{
    "target": "com.amazonaws.licensemanager#ListResourceInventory"
},
{
    "target": "com.amazonaws.licensemanager#ListTagsForResource"
},
{
    "target": "com.amazonaws.licensemanager#ListTokens"
},
{
    "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
 },
{
    "target": "com.amazonaws.licensemanager#RejectGrant"
},
{
    "target": "com.amazonaws.licensemanager#TagResource"
},
{
    "target": "com.amazonaws.licensemanager#UntagResource"
},
{
    "target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
},
{
    "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
},
{
    "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
},
{
```

"target": "com.amazonaws.licensemanager#UpdateServiceSettings"
}
],
"traits": {
"aws.api#service": {
"sdkId": "License Manager",
"arnNamespace": "license-manager",
"cloudFormationName": "LicenseManager",
"cloudTrailEventSource": "licensemanager.amazonaws.com",
"endpointPrefix": "license-manager"
},
"aws.auth#sigv4": {
"name": "license-manager"
},
"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
},
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {

```
            "builtIn": "SDK::Endpoint",
            "required": false,
            "documentation": "Override the endpoint used to send this request",
            "type": "String"
        }
    },
    "rules": [
        {
            "conditions": [
                {
                    "fn": "isSet",
                    "argv": [
                        {
                            "ref": "Endpoint"
                        }
                    ]

            }
            ],
            "type": "tree",
            "rules": [
                {
                    "conditions": [
                        {
                            "fn": "booleanEquals",
                            "argv": [
                                {
                                    "ref": "UseFIPS"
                                },
                                true
                            ]
                        }
                    ],
                    "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                    "type": "error"
                },
                {

"conditions": [
                        {
                            "fn": "booleanEquals",
                            "argv": [
                                {
                                    "ref": "UseDualStack"
                                },
                                true
                            ]
                        }
```

```
            ],
            "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
            "type": "error"
        },
        {
            "conditions": [],
            "endpoint": {
                "url": {
                    "ref": "Endpoint"
                },
                "properties": {},
                "headers": {}
            },
            "type": "endpoint"
        }
    ]
},
{
    "conditions": [
        {
            "fn": "isSet",
            "argv": [
                {
                    "ref": "Region"
                }
            ]
        }
    ],
    "type": "tree",
    "rules": [
        {
            "conditions": [
                {
                    "fn": "aws.partition",
                    "argv": [
                        {
                            "ref": "Region"
                        }
                    ],
                    "assign": "PartitionResult"
                }
            ],
            "type": "tree",
            "rules": [
                {
                    "conditions": [
                        {
                            "fn": "booleanEquals",
```

```
                "argv": [
                  {
                    "ref":
"UseFIPS"
                  },
                  true
                ]
              },
              {
                "fn": "booleanEquals",
                "argv": [
                  {
                    "ref": "UseDualStack"
                  },
                  true
                ]
              }
            ],
            "type": "tree",
            "rules": [
              {
                "conditions": [
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      true,
                      {
                        "fn": "getAttr",
                        "argv": [
                          {
                            "ref": "PartitionResult"
                          },
                          "supportsFIPS"
                        ]

                }
                    ]
                  },
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      true,
                      {
                        "fn": "getAttr",
                        "argv": [
                          {
                            "ref": "PartitionResult"
                          },
```

"supportsDualStack"
]
}
]
}
],
"type": "tree",
"rules": [
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}

},
"type": "endpoint"
}
]
},
{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
]
},
{
"conditions": [
{
"fn": "booleanEquals",

"argv": [
{
"ref": "UseFIPS"
},
true
]
}
],
"type": "tree",
"rules": [
{
"conditions": [
{

```
                "fn": "booleanEquals",
                "argv": [
                  true,

            {
                    "fn": "getAttr",
                    "argv": [
                      {
                        "ref": "PartitionResult"
                      },
                      "supportsFIPS"
                    ]
                  }
                ]
              }
            ],
            "type": "tree",
            "rules": [

            {
                "conditions": [],
                "endpoint": {
                  "url": "https://license-manager-fips.{Region}.{PartitionResult#dnsSuffix}",
                  "properties": {},
                  "headers": {}
                },
                "type": "endpoint"
              }
            ]
          },
          {
            "conditions": [],
            "error": "FIPS is enabled but this
partition does not support FIPS",
            "type": "error"
          }
        ]
      },
      {
        "conditions": [
          {
            "fn": "booleanEquals",
            "argv": [
              {
                "ref": "UseDualStack"
              },
              true
            ]
```

```
                    }
                ],
                "type": "tree",
                 "rules": [
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    true,
                                    {
                                        "fn": "getAttr",
                                        "argv": [
                                            {
                                                "ref": "PartitionResult"
                                            },

    "supportsDualStack"
                                        ]
                                    }
                                ]
                            }
                        ],
                        "type": "tree",
                        "rules": [
                            {
                                "conditions": [],
                                "endpoint": {
                                    "url": "https://license-
manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                    "properties": {},
                                    "headers": {}

                },
                            "type": "endpoint"
                            }
                        ]
                    },
                    {
                        "conditions": [],
                        "error": "DualStack is enabled but this partition does not support DualStack",
                        "type": "error"
                    }
                ]
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            {
                "conditions": [],
                "endpoint": {
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                "url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
                "properties": {},
                "headers": {}
            },
            "type": "endpoint"
        }
      ]
    }
  ]
},
{
  "conditions": [],
  "error": "Invalid Configuration: Missing Region",
  "type": "error"
}
]
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"smithy.rules#endpointTests": {
  "testCases": [
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      "documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint":
{
          "url": "https://license-manager.af-south-1.amazonaws.com"
        }
      },
      "params": {
        "Region": "af-south-1",
        "UseFIPS": false,
        "UseDualStack": false
      }
    },
    {
      "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.ap-east-1.amazonaws.com"
        }
      },
      "params": {
        "Region": "ap-east-1",
        "UseFIPS": false,
        "UseDualStack": false
       }
    },
    {
      "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",
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            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-northeast-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "ap-northeast-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-northeast-2.amazonaws.com"
                 }
            },
            "params": {
                "Region": "ap-northeast-2",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-northeast-3.amazonaws.com"
                }
            },
            "params": {
                "Region": "ap-northeast-3",
                "UseFIPS": false,
                "UseDualStack": false
            }

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        {
            "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-south-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "ap-south-1",
                "UseFIPS": false,
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"UseDualStack": false
}
},
{
"documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-1.amazonaws.com"

}
},
"params": {
"Region": "ap-southeast-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-2.amazonaws.com"
}
},
"params": {
"Region": "ap-southeast-2",
"UseFIPS": false,
"UseDualStack": false
}
},
{

"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-3.amazonaws.com"
}
},
"params": {
"Region": "ap-southeast-3",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {

"url": "https://license-manager.ca-central-1.amazonaws.com"
}
},

"params": {
"Region": "ca-central-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-central-1.amazonaws.com"
}
},
"params": {
"Region": "eu-central-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-north-1 with FIPS
disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-north-1.amazonaws.com"
}
},
"params": {
"Region": "eu-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-south-1.amazonaws.com"
}
},
"params": {
"Region":
"eu-south-1",
"UseFIPS": false,

"UseDualStack": false
}
},
{
"documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-west-1.amazonaws.com"
}
},
"params": {
"Region": "eu-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
"expect": {

"endpoint": {
"url": "https://license-manager.eu-west-2.amazonaws.com"
}
},
"params": {
"Region": "eu-west-2",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-west-3.amazonaws.com"
}
},
"params": {
"Region": "eu-west-3",
"UseFIPS": false,

"UseDualStack": false
}
},
{
"documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {

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                "url": "https://license-manager.me-south-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "me-south-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.sa-east-1.amazonaws.com"
             }
        },
        "params": {
            "Region": "sa-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-east-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "us-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }

},
    {
        "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.us-east-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "us-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
```

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            },
            {
              "documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-east-2.amazonaws.com"
                }

             },
              "params": {
                "Region": "us-east-2",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.us-east-2.amazonaws.com"
                }
              },
              "params": {
                "Region": "us-east-2",
                "UseFIPS": true,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region
us-west-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-west-1.amazonaws.com"
                }
              },
              "params": {
                "Region": "us-west-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.us-west-1.amazonaws.com"
                }
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            },
            "params": {

        "Region": "us-west-1",
                "UseFIPS": true,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.us-west-2.amazonaws.com"
                }
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            "params": {
                "Region": "us-west-2",
                "UseFIPS": false,
                "UseDualStack": false
            }
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            "documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",

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                    "url": "https://license-manager-fips.us-west-2.amazonaws.com"
                }
            },
            "params": {
                "Region": "us-west-2",
                "UseFIPS": true,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-fips.us-east-1.api.aws"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": true,

                "UseDualStack": true
            }
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            },
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              "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-east-1.api.aws"
                }
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": true
              }
            },
            {
              "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
                }
              },
              "params": {
                "Region": "cn-north-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
                }
              },
              "params": {
                "Region": "cn-northwest-1",
                "UseFIPS": false,
                "UseDualStack": false

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            {
              "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
                }
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        },
        "params": {
          "Region": "cn-north-1",
          "UseFIPS": true,
          "UseDualStack": true
        }
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        "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
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        "params": {
          "Region": "cn-north-1",
          "UseFIPS": true,
          "UseDualStack": false
        }
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        "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
          }
        },
        "params": {
          "Region": "cn-north-1",
          "UseFIPS": false,
          "UseDualStack": true
        }
      },

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        "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.us-gov-east-1.amazonaws.com"
          }
        },
        "params": {
          "Region": "us-gov-east-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
      },
      {
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation":
"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
}
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"params": {
"Region": "us-gov-west-1",
"UseFIPS": true,
"UseDualStack": false
}
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
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"url": "https://license-manager-fips.us-gov-east-1.api.aws"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
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{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {

"url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled
but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},

{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",

"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
}
},

"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
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{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
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{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,

"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
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{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
"output": {

"target": "com.amazonaws.licensemanager#AcceptGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"

}
],
"traits": {
"smithy.api#documentation": " Accepts the specified grant. "
}
},
"com.amazonaws.licensemanager#AcceptGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#AcceptGrantResponse": {
"type": "structure",
"members": {

"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant
ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#AccessDeniedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
"httpResponseCode": 401
},
"smithy.api#documentation": " Access to resource denied. ",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
"type": "enum",
"members": {
"DISTRIBUTED_GRANTS_ONLY": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
}
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperation": {

"type": "enum",
"members": {
"CREATE_GRANT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateGrant"
}
},
"CHECKOUT_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutLicense"
}
},
"CHECKOUT_BORROW_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutBorrowLicense"
}
},
"CHECK_IN_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckInLicense"
}
},
"EXTEND_CONSUMPTION_LICENSE":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ExtendConsumptionLicense"
}
},
"LIST_PURCHASED_LICENSES": {
"target": "smithy.api#Unit",

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            "traits": {
                "smithy.api#enumValue": "ListPurchasedLicenses"
            }
        },
        "CREATE_TOKEN": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "CreateToken"
            }
        }
    }
},
"com.amazonaws.licensemanager#AllowedOperationList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#AllowedOperation"
    },
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max":
7
        }
    }
},
"com.amazonaws.licensemanager#Arn": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 2048
        },
        "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-
z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
    }
},
"com.amazonaws.licensemanager#ArnList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Arn"
    }
},
"com.amazonaws.licensemanager#AuthorizationException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
```

```
        },
        "traits": {
          "aws.protocols#awsQueryError":
 {
            "code": "AuthorizationFailure",
            "httpResponseCode": 403
          },
          "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to
perform the action. Check the IAM\n        policy associated with this account.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 403
        }
      },
      "com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
        "type": "structure",
        "members": {
          "LastRunTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Describes automated discovery.</p>"
        }
      },

    "com.amazonaws.licensemanager#Boolean": {
        "type": "boolean",
        "traits": {
          "smithy.api#default": false
        }
      },
      "com.amazonaws.licensemanager#BorrowConfiguration": {
        "type": "structure",
        "members": {
          "AllowEarlyCheckIn": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
              "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
              "smithy.api#required": {}
            }
          },
          "MaxTimeToLiveInMinutes": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
```

```
                "smithy.api#required": {}
            }
        }

},
        "traits": {
            "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#BoxBoolean": {
        "type": "boolean"
    },
    "com.amazonaws.licensemanager#BoxInteger": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#BoxLong": {
        "type": "long"
    },
    "com.amazonaws.licensemanager#CheckInLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"

     },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseRequest":
{
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
        },
```

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{
"target":
"com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license for offline use. "
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
"type": "structure",
"members":
{
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The license must

use the borrow consumption configuration. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. Partial checkouts are not supported. ",
"smithy.api#required": {}
}
},
"DigitalSignatureMethod": {
"target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
"traits": {
"smithy.api#documentation": " Digital signature method. The possible
value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see <a
href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS. ",
"smithy.api#required": {}
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation":
" Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
"type": "structure",
"members": {

"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},
"EntitlementsAllowed":
{
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " Allowed license entitlements. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout
is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout expires. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "

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                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target":
"com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
```

"traits": {
"smithy.api#documentation": " Checks out the specified license. \n <note>\n If the account that created the license is the same that is performing the check out, you must\n specify the account as the beneficiary. \n </note>"
}
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
"type": "structure",
"members": {
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. ",
"smithy.api#required": {}
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Key fingerprint identifying the license. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Beneficiary": {

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            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License beneficiary.</p>"
            }
        },
        "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
            }
        }
    },
    "traits": {

   "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
    "type": "structure",
    "members": {
        "CheckoutType": {
            "target": "com.amazonaws.licensemanager#CheckoutType",
            "traits": {
                "smithy.api#documentation": "<p>Checkout type.</p>"
            }
        },
        "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License consumption token.</p>"
            }
        },
        "EntitlementsAllowed": {
            "target": "com.amazonaws.licensemanager#EntitlementDataList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
            }
        },
         "SignedToken": {
            "target": "com.amazonaws.licensemanager#SignedToken",
            "traits": {
                "smithy.api#documentation": "<p>Signed token.</p>"
            }
        },
        "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
```

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            }
          },
          "IssuedAt": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
            }
          },
          "Expiration": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
            }
          },
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#CheckoutType": {
        "type": "enum",
        "members": {
          "PROVISIONAL": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "PROVISIONAL"
            }
          },
          "PERPETUAL": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "PERPETUAL"
            }
           }
        }
      },
      "com.amazonaws.licensemanager#ClientRequestToken": {
        "type": "string",
        "traits": {
          "smithy.api#length": {
            "min": 1,
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            "max": 36
          }
        }
      },
      "com.amazonaws.licensemanager#ClientToken": {
        "type": "string",
        "traits": {
          "smithy.api#length": {
            "min": 0,
            "max": 2048
          },
          "smithy.api#pattern": "^\\S+$"
        }
      },
      "com.amazonaws.licensemanager#ConflictException": {
        "type": "structure",
        "members": {
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "aws.protocols#awsQueryError": {
            "code": "ConflictException",
            "httpResponseCode":
 409
          },
          "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 409
        }
      },
      "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
        "type": "structure",
        "members": {
          "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
              "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
            }
          },
          "ConsumedLicenses": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
              "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
            }
          }
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        },

"traits": {
            "smithy.api#documentation": "<p>Details about license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
        }
    },
    "com.amazonaws.licensemanager#ConsumptionConfiguration": {
        "type": "structure",
        "members": {
            "RenewType": {
                "target": "com.amazonaws.licensemanager#RenewType",
                "traits": {
                    "smithy.api#documentation": "<p>Renewal frequency.</p>"
                }
            },
            "ProvisionalConfiguration": {
                "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
                 }
            },
            "BorrowConfiguration": {
                "target": "com.amazonaws.licensemanager#BorrowConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantResponse"
        },
        "errors": [
            {
```

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a grant for the specified license. A grant shares the use of license\n entitlements with a specific Amazon Web Services account, an organization, or an\n organizational unit (OU). For more
information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#CreateGrantRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}

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}
        },
        "LicenseArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
            "smithy.api#required": {}
          }
        },
        "Principals": {
          "target": "com.amazonaws.licensemanager#PrincipalArnList",
          "traits": {
            "smithy.api#documentation": "<p>The grant principals. You can specify one of the following as an
Amazon Resource Name\n (ARN):</p>\n <ul>\n <li>\n <p>An Amazon Web Services
account, which includes only the account specified.</p>\n </li>\n </ul>\n <ul>\n <li>\n
<p>An organizational unit (OU), which includes all accounts in the OU.</p>\n </li>\n </ul>\n
<ul>\n
<li>\n <p>An organization, which will include all accounts across your organization.</p>\n
</li>\n </ul>",
            "smithy.api#required": {}
          }
        },
        "HomeRegion": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Home Region of the grant.</p>",
            "smithy.api#required": {}
          }
        },
        "AllowedOperations": {
          "target": "com.amazonaws.licensemanager#AllowedOperationList",
          "traits": {
            "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },

    "com.amazonaws.licensemanager#CreateGrantResponse": {
      "type": "structure",
      "members": {
        "GrantArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits": {
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```
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersion":
{
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information, see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",

  "smithy.api#required": {}
                }
            },
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>"
                }
            },
            "AllowedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                 "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
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            "StatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status reason.</p>"
                }
            },
            "SourceVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the grant.</p>"
                }
            },
            "Options": {
                "target": "com.amazonaws.licensemanager#Options",
                "traits": {
                    "smithy.api#documentation": "<p>The options specified for the grant.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>New version of the grant.</p>"
                }
            }
        },
        "traits":
{
            "smithy.api#output": {}
```

```
    }
},
"com.amazonaws.licensemanager#CreateLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
         },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Creates a license.</p>"
    }
},
"com.amazonaws.licensemanager#CreateLicenseConfiguration": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager. Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a \n        license must be associated with a host), and the number of licenses purchased and used.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the license configuration.</p>"
                }
            },
            "LicenseCountingType": {
                "target": "com.amazonaws.licensemanager#LicenseCountingType",
                "traits": {
                    "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
                    "smithy.api#required": {}
                }
```

```
            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
                }
            },
            "LicenseCountHardLimit": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether hard or soft license enforcement is used.
Exceeding a hard limit\n        blocks the launch of new instances.</p>"
                }
            },
            "LicenseRules": {
                "target":
 "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>License rules. The syntax is #name=value (for example,
#allowedTenancy=EC2-DedicatedHost). The available rules \n        vary by dimension, as follows.</p>\n
<ul>\n            <li>\n              <p>\n                <code>Cores</code> dimension: <code>allowedTenancy</code> |\n
          <code>licenseAffinityToHost</code> |\n              <code>maximumCores</code> |
<code>minimumCores</code>\n              </p>\n            </li>\n            <li>\n              <p>\n
<code>Instances</code> dimension: <code>allowedTenancy</code> | \n              <code>maximumCores</code> |
<code>minimumCores</code> |\n              <code>maximumSockets</code> | <code>minimumSockets</code> |\n
         <code>maximumVcpus</code> | <code>minimumVcpus</code>\n              </p>\n            </li>\n
<li>\n
  <p>\n                <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n
<code>licenseAffinityToHost</code> |\n              <code>maximumSockets</code> |
<code>minimumSockets</code>\n              </p>\n            </li>\n            <li>\n              <p>\n
<code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n
<code>honorVcpuOptimization</code> | \n              <code>maximumVcpus</code> |
<code>minimumVcpus</code>\n              </p>\n            </li>\n        </ul>\n        <p>The unit for
<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n        values for
<code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n
<code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n
<code>True</code> and <code>False</code>.</p>"
                }
            },

   "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
                }
            },
            "DisassociateWhenNotFound": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
```

"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"

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            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {

                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting
the license type for.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information that identifies the license type you are converting
from. \n\n        For the structure of the source license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
                    "smithy.api#required": {}
                }
            },
            "DestinationLicenseContext":
 {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information that identifies the license type you are converting to.
For the structure of the destination license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
                    "smithy.api#required": {}
                }
            }
```

```
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
    "type": "structure",
    "members": {
        "LicenseConversionTaskId": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

   "traits": {
                "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
```

"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a report generator. "
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"ReportGeneratorName":
{
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports to generate. The following report types an be generated: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}

}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}

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            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientRequestToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique,
 case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the report generator.</p>"
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Tags to add to the report generator.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn":
 {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the new report
generator.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product
name. ",
"smithy.api#required": {}
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits": {
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region for the license. ",
"smithy.api#required": {}

}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-
UTC format. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}

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            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>",
                    "smithy.api#required": {}
                }
            },
            "ConsumptionConfiguration": {
                "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n          running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n          usage.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
```

```
            "smithy.api#documentation": "<p>License status.</p>"
          }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>License version.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersion": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#ConflictException"
         },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
          "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
          "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
          "target": "com.amazonaws.licensemanager#ValidationException"
        }
      ],
```

"traits": {
"smithy.api#documentation": " Creates a new version of the specified license. "
}
},
"com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target":
"com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits":
{
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the license. ",
"smithy.api#required": {}
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-

UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},

"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the license. "
}
}

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        },
        "traits": {

"smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>License ARN.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>New version of the license.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output":
{}
        }
    },
    "com.amazonaws.licensemanager#CreateToken": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateTokenRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateTokenResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
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            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },

        {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n        <p>A refresh token is a JWT
token used to get an access token. With an access token,\n        you can call AssumeRoleWithWebIdentity to get
role credentials that you can use to \n        call License Manager to manage the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateTokenRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is
mapped to the aud claim of the\n        JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "RoleArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the
token. \n        License Manager does not check whether the roles are in use.</p>"
                }
            },
            "ExpirationInDays": {
                "target": "com.amazonaws.licensemanager#Integer",
                "traits": {
```

"smithy.api#documentation": " Token expiration, in days, counted from token creation. The default is 365 days. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Idempotency token, valid for 10 minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateTokenResponse": {
"type": "structure",
"members": {
"TokenId": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Token ID. "
}
},
"TokenType": {
"target": "com.amazonaws.licensemanager#TokenType",
"traits": {
"smithy.api#documentation": " Token type. "
}
},
"Token": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Refresh token, encoded as a JWT token. "
}
}
},
"traits": {
"smithy.api#output": {}

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    }
},
"com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
        "Begin": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Start of the time range.</p>",
                "smithy.api#required": {}
            }
        },
        "End": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>End of the time range.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
},
"com.amazonaws.licensemanager#DeleteGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
```

"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes
the specified grant. "
}
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " The Status reason for the delete request. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the
grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",

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            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation":
"<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DeleteLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
```

"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license configuration. \n You cannot delete a license configuration that is in use. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
"type": "structure",
"members":

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{
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
```

"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified report generator. \n This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator to be deleted. ",
"smithy.api#required": {}
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",

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            "traits": {
                "smithy.api#documentation": "<p>Current version of the license.</p>",
                "smithy.api#required":
{}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#DeleteLicenseResponse": {
        "type": "structure",
        "members": {
          "Status": {
            "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
          },
          "DeletionDate": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#DeleteToken": {
        "type": "operation",
         "input": {
          "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },

        {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenRequest": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}

      }
    },
    "com.amazonaws.licensemanager#DigitalSignatureMethod": {
        "type": "enum",
        "members": {
            "JWT_PS384": {
                "target": "smithy.api#Unit",
```

"traits": {
"smithy.api#enumValue": "JWT_PS384"
}
}
}
},
"com.amazonaws.licensemanager#Entitlement": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement resource. Use only
if the unit is None. "
}
},
"MaxCount": {
"target": "com.amazonaws.licensemanager#Long",
"traits": {
"smithy.api#documentation": " Maximum entitlement count. Use if the unit is not None. "
}
},
"Overage": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether overages are allowed. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementUnit",
"traits": {
"smithy.api#documentation": " Entitlement unit. ",
"smithy.api#required": {}
}
},
"AllowCheckIn": {
"target":
"com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether check-ins are allowed. "
}

```
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes a resource entitled for use with a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementData": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement data name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement
data value.</p>"
                }
            },
            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement data unit.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementDataList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementData"
        }
    },
    "com.amazonaws.licensemanager#EntitlementDataUnit": {
        "type": "enum",
        "members": {
            "COUNT": {
                "target": "smithy.api#Unit",
                "traits": {
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"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"

}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"Megabits/Second"
}
},

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            "GIGABITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Gigabits/Second"
                }
            },
            "TERABITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Terabits/Second"
                }
            },
            "COUNT_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Count/Second"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#EntitlementList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Entitlement"
        }
    },
    "com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#EntitlementUnit": {
        "type": "enum",
        "members": {
            "COUNT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Count"
                }
```

```
        },
        "NONE": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "None"
          }
        },
        "SECONDS":
{
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Seconds"
          }
        },
        "MICROSECONDS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Microseconds"
          }
        },
        "MILLISECONDS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Milliseconds"
          }
        },
        "BYTES": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Bytes"
          }
        },
        "KILOBYTES": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Kilobytes"
           }
        },
        "MEGABYTES": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Megabytes"
          }
        },
        "GIGABYTES": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Gigabytes"
```

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    }
},
"TERABYTES": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Terabytes"
    }
},
"BITS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Bits"
    }
},
"KILOBITS": {
    "target": "smithy.api#Unit",
    "traits": {

     "smithy.api#enumValue": "Kilobits"
    }
},
"MEGABITS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Megabits"
    }
},
"GIGABITS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Gigabits"
    }
},
"TERABITS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Terabits"
    }
},
"PERCENT": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Percent"
    }
},
"BYTES_PER_SECOND": {
    "target":
```

"smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits/Second"
}
},

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        "GIGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Gigabits/Second"
            }
        },

    "TERABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabits/Second"
            }
        },
        "COUNT_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count/Second"
            }
        }
    }
},
"com.amazonaws.licensemanager#EntitlementUsage": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage name.</p>",
                "smithy.api#required": {}
            }
        },
        "ConsumedValue": {
            "target": "com.amazonaws.licensemanager#String",

        "traits": {
                "smithy.api#documentation": "<p>Resource usage consumed.</p>",
                "smithy.api#required": {}
            }
        },
        "MaxCount": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
            }
        },
        "Unit": {
            "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
            "traits": {
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                "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
    }
},
"com.amazonaws.licensemanager#EntitlementUsageList":
{
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#EntitlementUsage"
    }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumption": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
         },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
```

"smithy.api#documentation": " Extends the expiration date for license consumption. "
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. ",
"smithy.api#required": {}

}
},
"DryRun": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,
"smithy.api#documentation": " Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},

"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license consumption expires. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},

"com.amazonaws.licensemanager#FailedDependencyException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
},
"ErrorCode": {
"target": "com.amazonaws.licensemanager#String"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FailedDependency",
"httpResponseCode": 424
},
"smithy.api#documentation":
" A dependency required to run the API is missing. ",
"smithy.api#error": "client",
"smithy.api#httpError": 424
}
},
"com.amazonaws.licensemanager#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#FilterName",
"traits": {
"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter
name and value pair that is used to return more specific results from a\n describe operation. Filters can be used to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
"type": "structure",
"members": {
"Message": {

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            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "FilterLimitExceeded",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#FilterList": {
    "type": "list",
     "member": {
        "target": "com.amazonaws.licensemanager#Filter"
    }
},
"com.amazonaws.licensemanager#FilterName": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#FilterValue",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#Filters": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Filter",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#GetAccessToken": {
    "type": "operation",
    "input": {
         "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
    },
```

"output": {
"target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets a temporary access token to use with AssumeRoleWithWebIdentity. Access tokens\n are valid for one hour. "
}
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
"type": "structure",
"members": {
"Token": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Refresh token, encoded as a JWT token. ",
"smithy.api#required": {}
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Token properties to validate against those present in the JWT token. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},

"com.amazonaws.licensemanager#GetAccessTokenResponse":
{
"type": "structure",
"members": {
"AccessToken": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Temporary access token. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {

"smithy.api#documentation": " Gets detailed information about the specified grant. "
}
},
"com.amazonaws.licensemanager#GetGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetGrantResponse": {
"type": "structure",
"members": {
"Grant": {
"target": "com.amazonaws.licensemanager#Grant",
"traits": {
"smithy.api#documentation": " Grant details. "
}
}
},
"traits": {

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseResponse"
},
"errors": [

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        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"

    },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the specified license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits":
 {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurationId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
                }
            },
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
                }
            },
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>"
                 }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the license configuration.</p>"
```

```
        }
    },
    "LicenseCountingType": {
        "target": "com.amazonaws.licensemanager#LicenseCountingType",
        "traits": {
            "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
        }
    },
    "LicenseRules": {
        "target": "com.amazonaws.licensemanager#StringList",
        "traits": {
            "smithy.api#documentation": "<p>License rules.</p>"
        }
    },
    "LicenseCount": {
        "target": "com.amazonaws.licensemanager#BoxLong",

       "traits": {
            "smithy.api#documentation": "<p>Number of available licenses.</p>"
        }
    },
    "LicenseCountHardLimit": {
        "target": "com.amazonaws.licensemanager#BoxBoolean",
        "traits": {
            "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
        }
    },
    "ConsumedLicenses": {
        "target": "com.amazonaws.licensemanager#BoxLong",
        "traits": {
            "smithy.api#documentation": "<p>Number of licenses assigned to resources.</p>"
        }
    },
    "Status": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>License configuration status.</p>"
        }

},
    "OwnerAccountId": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Account ID of the owner of the license configuration.</p>"
        }
    },
    "ConsumedLicenseSummaryList": {
        "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
```

"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When
true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified license type conversion task. "
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "
}
},
"ResourceArn": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted to. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " Status of the license type conversion task. "
}
},

"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was started . "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Amount of time to complete the license type conversion. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was

completed. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified report generator. "
}
},

"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. ",
"smithy.api#required":
{}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"ReportGenerator": {
"target": "com.amazonaws.licensemanager#ReportGenerator",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license configurations. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}

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        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseResponse": {
        "type": "structure",
        "members": {
            "License": {
                "target": "com.amazonaws.licensemanager#License",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },

"com.amazonaws.licensemanager#GetLicenseUsage": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {

"target": "com.amazonaws.licensemanager#ValidationException"
            }
```

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        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseUsageRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
        "type": "structure",
        "members": {
            "LicenseUsage": {
                "target":
"com.amazonaws.licensemanager#LicenseUsage",
                "traits": {
                    "smithy.api#documentation": "<p>License usage details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets the License Manager settings for the current Region. "
}
},
"com.amazonaws.licensemanager#GetServiceSettingsRequest": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Regional S3 bucket path for storing reports, license trail event data, discovery data,\n and so on. "

}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " SNS topic configured to receive notifications from License Manager. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Indicates whether Organizations is integrated with License Manager for\n cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {

"smithy.api#documentation": " Indicates whether cross-account discovery is enabled. "
}

},
"LicenseManagerResourceShareArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource share. The License Manager management account \n provides member accounts with access to this share. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Grant": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}
}
},
"ParentArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",
"smithy.api#required": {}
}
},

"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. ",
"smithy.api#required": {}
}
},
"GrantedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Granted operations. ",
"smithy.api#required": {}
}
},
"Options": {
"target": "com.amazonaws.licensemanager#Options",
"traits": {
"smithy.api#documentation": " The options specified for the grant. "
}
}

```
        },
        "traits": {
            "smithy.api#documentation":
"<p>Describes a grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#GrantList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Grant"
        }
    },
    "com.amazonaws.licensemanager#GrantStatus": {
        "type": "enum",
        "members": {
            "PENDING_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_WORKFLOW"
                }
            },
            "PENDING_ACCEPT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_ACCEPT"
                }
            },
            "REJECTED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REJECTED"

            }
            },
            "ACTIVE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ACTIVE"
                }
            },
            "FAILED_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED_WORKFLOW"
                }
            },
            "DELETED": {
                "target": "smithy.api#Unit",
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"traits": {
"smithy.api#enumValue": "DELETED"
}
},
"PENDING_DELETE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_DELETE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "DISABLED"
}
},
"WORKFLOW_COMPLETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WORKFLOW_COMPLETED"
}
}
}
},
"com.amazonaws.licensemanager#GrantedLicense": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. "
}

},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " Granted license issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the granted license. "

}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " Granted license status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the granted license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Granted license beneficiary. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}

```
            },
            "LicenseMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license metadata.</p>"
                }
            },
            "CreateTime": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Creation time of the granted license.</p>"

    }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Version of the granted license.</p>"
                }
            },
            "ReceivedMetadata": {
                "target": "com.amazonaws.licensemanager#ReceivedMetadata",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license received metadata.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
        }
    },
    "com.amazonaws.licensemanager#GrantedLicenseList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#GrantedLicense"
        }
    },
    "com.amazonaws.licensemanager#ISO8601DateTime":
{
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-
1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$"
        }
```

```
    },
    "com.amazonaws.licensemanager#Integer": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#InvalidParameterValueException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidParameterValueProvided",
                "httpResponseCode": 400
            },
            "smithy.api#documentation":
 "<p>One or more parameter values are not valid.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#InvalidResourceStateException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidResourceState",
                "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n        <p>For example, you cannot allocate a license to an instance in the process of shutting\n
down.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },

    "com.amazonaws.licensemanager#InventoryFilter": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

```
            "smithy.api#documentation": "<p>Name of the filter.</p>",
            "smithy.api#required": {}
          }
        },
        "Condition": {
          "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
          "traits": {
            "smithy.api#documentation": "<p>Condition of the filter.</p>",
            "smithy.api#required": {}
          }
        },
        "Value": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Value of the filter.</p>"
          }
        }

    },
      "traits": {
        "smithy.api#documentation": "<p>An inventory filter.</p>"
      }
    },
    "com.amazonaws.licensemanager#InventoryFilterCondition": {
      "type": "enum",
      "members": {
        "EQUALS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "EQUALS"
          }
        },
        "NOT_EQUALS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "NOT_EQUALS"
          }
        },
        "BEGINS_WITH": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "BEGINS_WITH"
          }
        },
        "CONTAINS": {
          "target": "smithy.api#Unit",
          "traits": {
```

"smithy.api#enumValue": "CONTAINS"
}
}
}
},
"com.amazonaws.licensemanager#InventoryFilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#InventoryFilter"
}
},
"com.amazonaws.licensemanager#Issuer": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. ",
"smithy.api#required": {}
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the issuer of a license. "
}
},
"com.amazonaws.licensemanager#IssuerDetails": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. "
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing

algorithm. "
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer key fingerprint. "
}
}
},
"traits": {
"smithy.api#documentation": " Details associated with the issuer of a license. "
}
},
"com.amazonaws.licensemanager#License": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " License name. "
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " License issuer. "
}
},

"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Home Region of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " License metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {

"smithy.api#documentation": " License
creation time. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#documentation": " Software license that is managed in License Manager. "
}
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
"type": "structure",
"members": {
"LicenseConfigurationId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Unique ID of the license configuration. "
}
},
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension to use to track the license inventory. "
}
},

"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Number of available licenses as a hard limit. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the license configuration. "
}
},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the license configuration's owner. "

}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for licenses consumed by various resources. "

```
            }
        },
        "ManagedResourceSummaryList": {
            "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
            "traits": {
                "smithy.api#documentation": "<p>Summaries for managed resources.</p>"
            }
        },
        "ProductInformationList": {
            "target": "com.amazonaws.licensemanager#ProductInformationList",
            "traits": {
                "smithy.api#documentation": "<p>Product information.</p>"
            }
        },
        "AutomatedDiscoveryInformation": {

            "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
            "traits": {
                "smithy.api#documentation": "<p>Automated discovery information.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>A license configuration is an abstraction of a customer license
agreement that can be\n        consumed and enforced by License Manager. Components include specifications for
the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n
Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n        must be associated with a
host), and the number of licenses purchased and used.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
    "type": "structure",
    "members": {
        "ResourceArn":
{
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
            }
        },
        "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Type of server resource.</p>"
            }
        },
        "ResourceOwnerId": {
            "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Time when the license configuration was associated with the resource. "
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an association with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
}
},
"com.amazonaws.licensemanager#LicenseConfigurationStatus": {
"type": "enum",
"members":
{
"AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISABLED"
}
}
}
},

"com.amazonaws.licensemanager#LicenseConfigurationUsage": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits":
{
"smithy.api#documentation": " Type of resource. "
}
},
"ResourceStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the usage of a resource associated with a license configuration. "
}
},

"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
}
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfiguration"
}
},
"com.amazonaws.licensemanager#LicenseConversionContext": {

"type": "structure",
"members": {
"UsageOperation": {
"target": "com.amazonaws.licensemanager#UsageOperation",
"traits": {
"smithy.api#documentation": " The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\n \n "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {

"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " The ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource associated with the license type\n conversion task. "
}
},
"SourceLicenseContext": {

"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted to. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " The status of the conversion task. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was started at. "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the usage operation value of the resource was changed. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was completed. "
}
}
},
"traits": {

"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
"type": "string",
"traits": {

"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
}
},
"com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
"type": "enum",
"members": {
"IN_PROGRESS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "IN_PROGRESS"
}
},
"SUCCEEDED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SUCCEEDED"
}
},
"FAILED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseConversionTasks":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConversionTask"
}
},
"com.amazonaws.licensemanager#LicenseCountingType": {
"type": "enum",
"members": {
"VCPU": {

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            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "vCPU"
            }
        },
        "INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Instance"
            }
        },
        "CORE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Core"
            }
        },
        "SOCKET": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Socket"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
    "type": "enum",
    "members": {
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#License"
    }
},
```

"com.amazonaws.licensemanager#LicenseOperationFailure": {

"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Resource type. "
}
},
"ErrorMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Error message. "
}
},
"FailureTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Failure time. "
}
},
"OperationName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the operation. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource. "
}
},
"OperationRequestedBy": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The requester is \"License Manager Automated Discovery\". "
}
},

"MetadataList": {

"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Reserved. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the failure of a license operation. "
}
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailure"
}
},
"com.amazonaws.licensemanager#LicenseSpecification": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Details for associating a license configuration with a resource. "
}
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseSpecification"
}
},

```
"com.amazonaws.licensemanager#LicenseStatus": {
    "type": "enum",
    "members": {
        "AVAILABLE": {
            "target": "smithy.api#Unit",

        "traits": {
                "smithy.api#enumValue": "AVAILABLE"
            }
        },
        "PENDING_AVAILABLE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_AVAILABLE"
            }
        },
        "DEACTIVATED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DEACTIVATED"
            }
        },
        "SUSPENDED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SUSPENDED"
            }
        },
        "EXPIRED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EXPIRED"
            }
        },

      "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
```

```
    },
    "com.amazonaws.licensemanager#LicenseUsage": {
        "type": "structure",
        "members": {
            "EntitlementUsages": {
                "target": "com.amazonaws.licensemanager#EntitlementUsageList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlement usages.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"

        }
    },
    "com.amazonaws.licensemanager#LicenseUsageException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "LicenseUsageFailure",
                "httpResponseCode": 412
            },
            "smithy.api#documentation": "<p>You do not have enough licenses available to support a new resource
launch.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 412
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
        },
        "output": {

    "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the resource associations for the
specified license configuration. \n Resource associations need not consume licenses from a license
configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules). "
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results
to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}

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        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurationAssociations": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the associations for the license
configuration.</p>"
                }
            },
            "NextToken": {

 "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrants": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
             },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
```

```
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
        "type": "structure",
        "members": {
            "GrantArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {

            "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseArn</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>GrantStatus</code>\n                </p>\n            </li>\n
    <li>\n                <p>\n                <code>GranteePrincipalARN</code>\n                </p>\n            </li>\n
<li>\n                <p>\n                <code>ProductSKU</code>\n                </p>\n            </li>\n            <li>\n
<p>\n                <code>LicenseIssuerName</code>\n
        </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
```

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        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
        "type": "structure",
        "members": {
            "Grants": {
                "target": "com.amazonaws.licensemanager#GrantList",

    "traits": {
                    "smithy.api#documentation": "<p>Distributed grant details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
        },
        "errors": [
            {

"target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
        "type": "structure",
        "members": {
            "LicenseOperationFailureList": {
                "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
                "traits": {
                    "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
```

```
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
        },

    "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configurations
 for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArns": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
                }
```

```
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next
 set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n                Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n                Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n
<p>\n                <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n                Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>.</p>\n
    </li>\n            <li>\n                <p>\n                <code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurations": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurations",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
```

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      "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
    "type": "structure",
    "members": {
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
```

"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " \n Filters to scope the results. Valid filters are <code>ResourceArns</code> and <code>Status</code>.\n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
"type": "structure",
"members": {
"LicenseConversionTasks": {
"target": "com.amazonaws.licensemanager#LicenseConversionTasks",
"traits": {
"smithy.api#documentation": " Information about the license configuration tasks for your account. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
},
"errors": [

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseConfigurationArn</code>\n
</p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
```

"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits":
{
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
"type": "structure",
"members": {
"ReportGenerators": {
"target": "com.amazonaws.licensemanager#ReportGeneratorList",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}

}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

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            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an
associated license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {

        "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
        "type": "structure",
        "members": {
            "LicenseSpecifications": {
```

```
            "target": "com.amazonaws.licensemanager#LicenseSpecifications",
            "traits": {
                "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
    "members": {
```

```
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#LicenseList",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            },

"NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenses": {
        "type": "operation",
        "input": {
```

"target": "com.amazonaws.licensemanager#ListLicensesRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicensesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the licenses for your account. "
}
},
"com.amazonaws.licensemanager#ListLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>Beneficiary</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>Status</code>\n \n \n "
}

```
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token
for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicensesResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#LicenseList",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {

  "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrants": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
        },
```

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target":
"com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the received license. ",
"smithy.api#required": {}
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are
supported: \n
\n \n \n <code>ParentArn</code>\n \n \n
\n \n <code>GranteePrincipalArn</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}

```
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
{
        "type": "structure",
        "members": {
            "Grants": {
                "target": "com.amazonaws.licensemanager#GrantList",
                "traits": {
                    "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
        "type": "structure",
        "members": {
            "GrantArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                 "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>LicenseIssuerName</code>\n                </p>\n
</li>\n            <li>\n                <p>\n                <code>LicenseArn</code>\n                </p>\n            </li>\n
<li>\n                <p>\n                <code>GrantStatus</code>\n                </p>\n            </li>\n            <li>\n
<p>\n
        <code>GranterAccountId</code>\n                </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
```

```
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
    "type": "structure",
    "members": {
        "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
             "traits": {
                "smithy.api#documentation": "<p>Received grant details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists received licenses.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
```

```
            },
            {

        "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>Beneficiary</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n
            </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#GrantedLicenseList",
```

"traits": {
"smithy.api#documentation": " Lists the licenses the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>IssuerName</code>\n \n \n \n \n <code>Beneficiary</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}

```
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
    "type": "structure",
    "members": {
        "Licenses": {
            "target": "com.amazonaws.licensemanager#GrantedLicenseList",
            "traits": {
                "smithy.api#documentation": "<p>Received license details.</p>"
            }
        },

        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListResourceInventory": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FailedDependencyException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
        },
        {
```

"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists resources managed using Systems Manager inventory. "
}
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#InventoryFilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>account_id</code> - The ID of the Amazon Web Services account that owns the resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n
\n \n \n <code>application_name</code> - The name of the application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n
\n \n \n <code>license_included</code> - The type of license included. \n
Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
\n <code>platform</code> - The platform of the resource.\n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n \n \n \n
<code>resource_id</code> - The ID of the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n
<code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account). \n \n "

```
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListResourceInventoryResponse": {
        "type": "structure",
        "members": {
          "ResourceInventoryList": {
            "target": "com.amazonaws.licensemanager#ResourceInventoryList",
            "traits": {
              "smithy.api#documentation": "<p>Information
about the resources.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListTagsForResource": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
           },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
```

"errors":
[
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists your tokens. "
}
},
"com.amazonaws.licensemanager#ListTokensRequest": {
"type": "structure",
"members": {
"TokenIds": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " Token IDs. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filter is supported: \n
\n \n \n <code>LicenseArns</code>\n \n \n
"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",

```
            "traits": {
                "smithy.api#documentation":
"<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListTokensResponse": {
    "type": "structure",
    "members": {
        "Tokens": {
            "target": "com.amazonaws.licensemanager#TokenList",
            "traits": {
                "smithy.api#documentation": "<p>Received token details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
             {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying license\n        consumption details by resource at a selected point in time. Use this action to audit the\n        current license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
             "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>resourceArn</code> - The ARN of the license configuration resource.\n
            Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n
            <li>\n                <p>\n                <code>resourceType</code> - The resource type
```

(<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
"type": "structure",
"members": {

"LicenseConfigurationUsageList": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Location": {
"type": "string"
},
"com.amazonaws.licensemanager#Long": {
"type": "long"
},
"com.amazonaws.licensemanager#ManagedResourceSummary": {
"type": "structure",
"members": {
"ResourceType":
{
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of resource associated with a license. "
}

```
        },
        "AssociationCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
    }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
    }
},
"com.amazonaws.licensemanager#MaxSize100": {

"type": "integer",
    "traits": {
        "smithy.api#range": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " The key name. "
}
},

"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The value. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes key/value pairs. "
}
},
"com.amazonaws.licensemanager#MetadataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Metadata"
}
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n

```
</li>\n <li>\n <p>As a grantor, you can optionally specify an\n
<code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your
organization.</p>\n </li>\n <li>\n <p>As a grantee, if the grantor creating the distributed
grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one
when you\n are activating the grant.</p>\n </li>\n </ul>\n <dl>\n
<dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n <p>Use this value to activate a grant
without replacing any member accounts\n active grants for the same product.</p>\n </dd>\n
<dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n <p>Use this value to activate a
grant and disable other active grants in any\n member accounts
 for the same product. This action will also replace their\n previously activated grants with this activated
grant.</p>\n </dd>\n </dl>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The options you can specify when you create a new version of a grant,
such as activation\n override behavior. For more information, see <a
href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in
License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
      },
      "com.amazonaws.licensemanager#OrganizationConfiguration": {
        "type": "structure",
        "members": {
          "EnableIntegration": {
            "target": "com.amazonaws.licensemanager#Boolean",
            "traits": {
              "smithy.api#default": false,
              "smithy.api#documentation":
 "<p>Enables Organizations integration.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Configuration information for Organizations.</p>"
        }
      },
      "com.amazonaws.licensemanager#PrincipalArnList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#Arn"
        },
        "traits": {
          "smithy.api#length": {
            "min": 1,
            "max": 1
          }
```

}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Resource type. The possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a <code>ProductInformationFilterComparator</code> which is a logical operator, a <code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. \n The following filters and are supported when the resource type \n is <code>SSM_MANAGED</code>: \n \n \n \n <code>Application Name</code> - The name of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Publisher</code> - The publisher of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n \n \n \n \n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n \n \n <code>License Included</code> - The type of license included.\n Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are: <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n The following filters and logical operators are supported when the resource type\n is <code>RDS</code>: \n \n \n \n <code>Engine Edition</code> - The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>. \n \n \n \n <code>License Pack</code> - The license

pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n
<code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n
\n ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information for a license configuration. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
"type": "structure",
"members": {
"ProductInformationFilterName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Filter name. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterValue": {
"target": "com.amazonaws.licensemanager#StringList",

"traits": {
"smithy.api#documentation": " Filter value. "
}
},
"ProductInformationFilterComparator": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Logical operator. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information filters. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ProductInformationFilter"
}
},
"com.amazonaws.licensemanager#ProductInformationList": {

"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ProductInformation"
}
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
"type": "structure",
"members": {
"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the provisional configuration, in minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "RateLimitExceeded",
"httpResponseCode": 429
},
"smithy.api#documentation": " Too many requests have been submitted. Try again after a brief wait. ",
"smithy.api#error": "client",
"smithy.api#httpError": 429
}
},
"com.amazonaws.licensemanager#ReceivedMetadata": {
"type": "structure",
"members": {
"ReceivedStatus": {
"target": "com.amazonaws.licensemanager#ReceivedStatus",
"traits": {
"smithy.api#documentation": " Received status. "
}
},
"ReceivedStatusReason": {

"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Received
status reason. "
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations. "
}
}
},
"traits": {
"smithy.api#documentation": " Metadata associated with received licenses and grants. "
}
},
"com.amazonaws.licensemanager#ReceivedStatus": {
"type": "enum",
"members": {
"PENDING_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_WORKFLOW"
}
},
"PENDING_ACCEPT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"PENDING_ACCEPT"
}
},
"REJECTED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REJECTED"
}
},
"ACTIVE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ACTIVE"
}
},
"FAILED_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {

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            "smithy.api#enumValue": "FAILED_WORKFLOW"
          }
        },
        "DELETED": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "DELETED"
          }
        },
        "DISABLED": {
          "target": "smithy.api#Unit",
           "traits": {
            "smithy.api#enumValue": "DISABLED"
          }
        },
        "WORKFLOW_COMPLETED": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "WORKFLOW_COMPLETED"
          }
        }
      }
    },
    "com.amazonaws.licensemanager#RedirectException": {
      "type": "structure",
      "members": {
        "Location": {
          "target": "com.amazonaws.licensemanager#Location",
          "traits": {
            "smithy.api#httpHeader": "Location"
          }
        },
        "Message": {
          "target": "com.amazonaws.licensemanager#Message"
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
         "smithy.api#error": "client",
        "smithy.api#httpError": 308
      }
    },
    "com.amazonaws.licensemanager#RejectGrant": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#RejectGrantRequest"
      },
      "output": {
```

"target": "com.amazonaws.licensemanager#RejectGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Rejects the specified grant. "
}
},
"com.amazonaws.licensemanager#RejectGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}

}
},
"com.amazonaws.licensemanager#RejectGrantResponse": {
"type": "structure",

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        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
              "smithy.api#documentation": "<p>Grant status.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Grant version.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#RenewType":
{
        "type": "enum",
        "members": {
          "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "None"
            }
          },
          "WEEKLY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Weekly"
            }
          },
          "MONTHLY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Monthly"
            }
          }
        }
      },
```

"com.amazonaws.licensemanager#ReportContext": {
"type": "structure",
"members": {
"licenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "
}
},
"period": {
"target": "com.amazonaws.licensemanager#ReportFrequencyType",

"traits": {
"smithy.api#documentation": " Time period between each report. The period can be daily, weekly, or monthly. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
"type": "enum",
"members": {
"DAY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DAY"
}

```
            },
            "WEEK": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WEEK"
                }
            },
            "MONTH": {
                "target": "smithy.api#Unit",
                "traits":
{
                    "smithy.api#enumValue": "MONTH"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#ReportGenerator": {
        "type": "structure",
        "members": {
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>"
                }
            },
            "ReportType": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports that are generated.</p>"
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
                    "smithy.api#documentation": "<p>License
configuration type for this generator.</p>"
                }
            },
            "ReportFrequency": {
                "target": "com.amazonaws.licensemanager#ReportFrequency",
                "traits": {
                    "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
                }
            },
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>"
```

```
            }
        },
        "LastRunStatus": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Status of the last report generation attempt.</p>"
            }
        },
        "LastRunFailureReason":
 {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
            }
        },
        "LastReportGenerationTime": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
            }
        },
        "ReportCreatorAccount": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report
generator.</p>"
            }
        },
        "Description": {
            "target": "com.amazonaws.licensemanager#String",

      "traits": {
                "smithy.api#documentation": "<p>Description of the report generator.</p>"
            }
        },
        "S3Location": {
            "target": "com.amazonaws.licensemanager#S3Location",
            "traits": {
                "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
            }
        },
        "CreateTime": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Time the report was created.</p>"
            }
        },
```

```
        "Tags": {
            "target": "com.amazonaws.licensemanager#TagList",
            "traits": {
                "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
            }

}
    },
    "traits": {
        "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
    }
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ReportGenerator"
    }
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#ReportType": {
    "type": "enum",
    "members": {
        "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
            }

},
        "LICENSE_CONFIGURATION_USAGE_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "LicenseConfigurationUsageReport"
            }
        }
    }
},
"com.amazonaws.licensemanager#ReportTypeList": {
    "type": "list",
    "member": {
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            "target": "com.amazonaws.licensemanager#ReportType"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventory": {
        "type": "structure",
        "members": {
            "ResourceId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "Platform": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform of the resource.</p>"
                }
            },
            "PlatformVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
                }
            },
            "ResourceOwningAccountId":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a resource.</p>"
        }
```

```
},
"com.amazonaws.licensemanager#ResourceInventoryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ResourceInventory"
    }
},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "ResourceLimitExceeded",

         "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
     "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
```

"smithy.api#enumValue": "EC2_INSTANCE"
}
},
"EC2_HOST": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_HOST"
}
},
"EC2_AMI": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_AMI"
}
},
"RDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "RDS"
}
},
"SYSTEMS_MANAGER_MANAGED_INSTANCE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
}
}
}
},
"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "

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        }
    },
    "com.amazonaws.licensemanager#ServerInternalException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InternalError",
                "httpResponseCode": 500
            },
            "smithy.api#documentation": "<p>The server experienced an internal error. Try again.</p>",
            "smithy.api#error": "server",
            "smithy.api#httpError": 500
        }
    },
    "com.amazonaws.licensemanager#SignedToken": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 4096
            }
        }
    },
    "com.amazonaws.licensemanager#StatusReasonMessage": {
        "type": "string",
        "traits":
{
            "smithy.api#length": {
                "min": 0,
                "max": 400
            },
            "smithy.api#pattern": "^[\\s\\S]+$"
        }
    },
    "com.amazonaws.licensemanager#String": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#StringList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#Tag": {
```

"type": "structure",
"members": {
"Key": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Tag key. "
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation":
" Tag value. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about a tag for a license configuration. "
}
},
"com.amazonaws.licensemanager#TagKeyList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#String"
}
},
"com.amazonaws.licensemanager#TagList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Tag"
}
},
"com.amazonaws.licensemanager#TagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#TagResourceResponse"
},
"errors": [
{
"target":
"com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},

```
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>One or more tags.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
        "members": {
```

"TokenId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token ID. "
}
},
"TokenType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Type of token generated. The supported value is <code>REFRESH_TOKEN</code>. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"ExpirationTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Token expiration time, in ISO8601-UTC format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#TokenData"
}
},
"com.amazonaws.licensemanager#TokenString": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 4096
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#TokenType": {
"type": "enum",
"members": {
"REFRESH_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REFRESH_TOKEN"
}
}
}
},
"com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The digital signature method is unsupported. Try your request
again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#UntagResource": {
"type": "operation",

```
        "input": {
            "target": "com.amazonaws.licensemanager#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UntagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Removes the specified tags from the specified license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#UntagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "TagKeys": {
                "target": "com.amazonaws.licensemanager#TagKeyList",
                "traits": {
                    "smithy.api#documentation": "<p>Keys identifying the tags to remove.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
```

```
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UntagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
        },
        "output": {

"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
         }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"LicenseConfigurationStatus": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
"traits": {
"smithy.api#documentation": " New status of the license configuration. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " New license rule. The only rule that you can add after you create a license\n configuration is licenseAffinityToHost. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",

"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

```
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to update.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types are supported:</p>\n        <ul>\n            <li>\n                <p>License configuration report - Reports the number and details of consumed licenses for a license configuration.</p>\n            </li>\n            <li>\n                <p>Resource report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n            </li>\n        </ul>",
                    "smithy.api#required": {}
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
```

"smithy.api#documentation": " The report context. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },

            {
                "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
            },
            {
                "target": "com.amazonaws.licensemanager#LicenseUsageException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified
Amazon Web Services resource.</p>\n        <p>You can update the license specifications of AMIs, instances, and
hosts.\n        You cannot update the license specifications for launch templates and CloudFormation templates, \n
 as they send license configurations to the operation that creates the resource.</p>"
        }
    },

    "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services
resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "AddLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
                }
            },
```

"RemoveLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation":
" ARNs of the license configurations to remove. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Updates License Manager settings for the current Region. "
}
},

"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
Manager information is stored. "
}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Enables integration with Organizations for cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Activates cross-account discovery. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UsageOperation": {
"type": "string",
"traits": {
"smithy.api#length": {

```
                "min": 0,
                "max": 50
            }
        }
    },
    "com.amazonaws.licensemanager#ValidationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

     "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    }
  }
}
```


1.7370 aws-sdk-go-v2-feature-ec2-imds 1.16.20

1.7370.1 Available under license :

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
```

```
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string
```

```
 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
```

```
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
```

```
 if err = addTimeOffsetBuild(stack,
 c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err !=
 nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
```

```
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
       uses: actions/checkout@v2
       with:
         path: new-ref
         fetch-depth: 0
     - name: Get Diff
       run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
     - name: Get Target Files
       run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
     - name: Checkout scancode
       uses: actions/checkout@v2
       with:
         repository: nexB/scancode-toolkit
         path: scancode-toolkit
         fetch-depth: 1
     - name: Set up Python ${{ matrix.python-version }}
        uses: actions/setup-python@v2
       with:
         python-version: ${{ matrix.python-version }}
     # ScanCode
     - name: Self-configure scancode
       working-directory: ./scancode-toolkit
       run: ./scancode --help
     - name: Run Scan code on target
```

```
      run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
    - name: Run Scan code on pr ref
      run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
```

```
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
 err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
```

```
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if
 err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
```

```
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err
!= nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region:       region,
 ServiceID:     ServiceID,
 OperationName: "DisassociateLicense",
}
}
{
  "smithy": "2.0",
  "shapes": {
      "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
          "type": "structure",
          "members": {
              "message": {
                  "target": "smithy.api#String"
              }
          },
```

"traits": {
"smithy.api#documentation": " You don't have sufficient access to perform this action. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
"type": "structure",
"members": {
"DirectoryId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Directory",
"traits": {
"smithy.api#documentation": " The directory ID for an Active Directory identity provider. "
}
},
"ActiveDirectorySettings":
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings",
"traits": {
"smithy.api#documentation": " The <code>ActiveDirectorySettings</code> resource contains details about \n\t\t\tthe Active Directory, including network access details such as domain name and IP \n\t\t\taddresses, and the credential provider for user administration. "
}
},
"ActiveDirectoryType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType",
"traits": {
"smithy.api#documentation": " The type of Active Directory either a self-managed Active Directory or an \n\t\t\tAmazon Web Services Managed Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about an Active Directory identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings": {
"type": "structure",
"members": {
"DomainName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name for the Active Directory. "
}
},
"DomainIpv4List": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IpV4List",
"traits": {

"smithy.api#documentation": " A list of domain IPv4 addresses that are used for the Active Directory. ",
"smithy.api#length": {
"min": 1,
"max": 2
}
}
},
"DomainCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
"traits": {
"smithy.api#documentation": " Points to the <code>CredentialsProvider</code> resource that contains \n\t\t\tinformation about the credential provider for user administration. "
}
},
"DomainNetworkSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings",
"traits": {
"smithy.api#documentation": " The <code>DomainNetworkSettings</code> resource contains an array of \n\t\t\tsubnets that apply for the Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains network access and credential details that are needed for \n\t\t\tuser administration in the Active Directory. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "SELF_MANAGED",
"value": "SELF_MANAGED",
"documentation": "SELF_MANAGED type of Active Directory"
},
{
"name": "AWS_MANAGED",
"value": "AWS_MANAGED",
"documentation": "AWS_MANAGED type of Active Directory"
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#Arn": {

"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-zA-Z0-9-\\.]{1,510}/[a-zA-Z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUser":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Associates the user to an EC2 instance to utilize user-based subscriptions. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your\n\t\t\t\tmonthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http":
{
"code": 200,

```
            "method": "POST",
            "uri": "/user/AssociateUser"
          },
          "smithy.api#idempotent": {}
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
        "type": "structure",
        "members": {
          "Username": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The user name from the identity provider.</p>",
              "smithy.api#required": {}
            }
          },
          "InstanceId": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The ID of the EC2 instance that provides the user-based
subscription.</p>",
              "smithy.api#required": {}
            }
          },
           "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
              "smithy.api#documentation": "<p>The identity provider for the user.</p>",
              "smithy.api#required": {}
            }
          },
          "Domain": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The domain name of the  Active Directory that contains
information for the user to associate.</p>"
            }
          },
          "Tags": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
            "traits": {
              "smithy.api#documentation": "<p>The tags that apply for the user association.</p>"
            }
          }
        },
        "traits": {
```

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request couldn't be completed because it conflicted with the current state of the\n\t\t\tresource. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"

```
            },

        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a network endpoint for the Remote Desktop Services (RDS) license server.</p>",
            "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/license-server/CreateLicenseServerEndpoint"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest": {
        "type": "structure",
        "members": {
            "IdentityProviderArn": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
            "traits": {
                "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the <code>IdentityProvider</code> resource that contains details \n\t\t\tabout a registered identity provider. In the case of Active Directory, that can be \n\t\t\ta self-managed Active Directory or an Amazon Web Services Managed Active Directory that contains user identity details.</p>",
                "smithy.api#required": {}
            }
            },
            "LicenseServerSettings": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings",
            "traits": {
                "smithy.api#documentation": "<p>The <code>LicenseServerSettings</code> resource to create for the endpoint. The \n\t\t\tsettings include the type of license server and the Secrets Manager secret that \n\t\t\tenables administrators to add or remove users associated with the \n\t\t\tlicense server.</p>",
```

"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply for the license server endpoint. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse": {
"type": "structure",
"members": {
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider specified in the request. "
}
},
"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The ARN of the <code>LicenseServerEndpoint</code> resource. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider": {
"type": "union",
"members": {
"SecretsManagerCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider",
"traits": {
"smithy.api#documentation": " Identifies the Secrets Manager secret that contains credentials needed for \n\t\t\tuser administration in the Active Directory. "
}
}

```
        },
        "traits": {
            "smithy.api#documentation": "<p>Contains information about the credential provider for user
\n\t\t\tadministration.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

 }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes a <code>LicenseServerEndpoint</code> resource.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/license-server/DeleteLicenseServerEndpoint"
            },
            "smithy.api#idempotent": {}
        }
    },
```

"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest": {
"type": "structure",
"members": {
"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the <code>LicenseServerEndpoint</code> \n\t\t\tresource to delete. ",
"smithy.api#required": {}
}
},
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of License Server that the delete request refers to. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse": {
"type": "structure",
"members": {
"LicenseServerEndpoint": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint",
"traits": {
"smithy.api#documentation": " Shows details from the <code>LicenseServerEndpoint</code> resource that was deleted. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deregisters the Active Directory identity provider from License Manager user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/DeregisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the Active Directory identity provider. "
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |

```
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
                }
            },
            "IdentityProviderArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",

                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the identity
provider to deregister.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
        "type": "structure",
        "members": {
            "IdentityProviderSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Directory":
 {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^(d|sd)-[0-9a-f]{10}$"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
        },
```

"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Disassociates the user from an EC2 instance providing user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/DisassociateUser"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the Active Directory identity provider for the user. "
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The ID of the EC2 instance which provides user-based subscriptions. "
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the Active Directory identity provider. "

}
},
"InstanceUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the user to disassociate from the EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains information for the user to disassociate. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings": {
"type": "structure",

"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " Contains a list of subnets that apply for the Active Directory domain. ",
"smithy.api#length": {
"min": 1
},
"smithy.api#required": {}

}
}
},
"traits": {
"smithy.api#documentation": " Contains network settings for the Active Directory domain. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#Filter": {
"type": "structure",
"members": {
"Attribute": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of an attribute to use as a filter. "
}
},
"Operation": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of search (For example, eq, geq, leq) "
}
},
"Value": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Value of the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used to return more specific results from a describe\n\t\t\tor list operation. You can use filters can be used to match a set of resources by specific \n\t\t\tcriteria, such as tags, attributes, or IDs. "
}
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"com.amazonaws.licensemanagerusersubscriptions#FilterList": {

"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
}
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"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
"type": "union",
"members": {
"ActiveDirectoryIdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
"traits": {

"smithy.api#documentation": " The <code>ActiveDirectoryIdentityProvider</code> resource contains settings \n\t\t\tand other details about a specific Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation": " Refers to an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The <code>IdentityProvider</code> resource contains information about \n\t\t\tan identity provider. ",
"smithy.api#required": {}
}
},
"Settings": {

"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The <code>Settings</code> resource contains details about the registered \n\t\t\tidentity providers product related configuration settings, such as the \n\t\t\tsubnets to provision VPC endpoints. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}

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            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of the identity provider.</p>",

        "smithy.api#required": {}
                }
            },
            "IdentityProviderArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider.</p>"
                }
            },
            "FailureMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The failure message associated with an identity provider.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes an identity provider.</p>"
        }
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    "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
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    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of an EC2 instance resource.</p>",
                    "smithy.api#required": {}
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            }
          },
          "Products": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
            "traits":
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              "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
              "smithy.api#required": {}
            }
          },
          "LastStatusCheckDate": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The date of the last status check.</p>"
            }
          },
          "StatusMessage": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {

 "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
        "type": "structure",
        "members": {
          "Username": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
              "smithy.api#required": {}
            }
          },
          "InstanceId": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The ID of the EC2 instance that provides user-based
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subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {

"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The <code>IdentityProvider</code> resource specifies details \n\t\t\tabout the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a user associated with an EC2 instance. ",
"smithy.api#required": {}
}
},
"InstanceUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the instance user. "
}

},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for users of an EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains the user information for the product subscription. "
}
},
"AssociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was associated with an EC2 instance. "
}
},
"DisassociationDate": {

"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The date a user was disassociated from an EC2 instance. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes users of an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " An exception occurred with the service. ",
"smithy.api#error": "server",
"smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanagerusersubscriptions#IpV4": {
"type": "string",
"traits": {
"smithy.api#pattern": "^(?:(25[0-5]|2[0-4][0-9]|1[0-9][0-9]|[1-9][0-9]|[0-9])(\\.(?!$)|$)){4}$"
}
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"com.amazonaws.licensemanagerusersubscriptions#IpV4List": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IpV4"
}
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"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
"type": "service",
"version": "2018-05-10",
"operations": [
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"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
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{
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint"

},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints"
},
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"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"
},
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"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
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"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#TagResource"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#UntagResource"

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        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
        }
      ],
      "traits": {
        "aws.api#service": {
          "sdkId": "License Manager User Subscriptions",
          "arnNamespace": "license-manager-user-subscriptions",
          "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
        },
        "aws.auth#sigv4": {
          "name": "license-manager-user-subscriptions"
        },
        "aws.protocols#restJson1": {},
        "smithy.api#cors": {
          "additionalAllowedHeaders": [
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            "content-type",
            "x-amz-content-sha256",
            "x-amz-user-agent",
            "x-amzn-platform-id",
            "x-amzn-trace-id",
            "content-length",
            "x-api-key",

"authorization",
            "x-amz-date",
            "x-amz-security-token",
            "Access-Control-Allow-Headers",
            "Access-Control-Allow-Methods",
            "Access-Control-Allow-Origin"
          ],
          "additionalExposedHeaders": [
            "x-amzn-errortype",
            "x-amzn-requestid",
            "x-amzn-trace-id"
          ]
        },
        "smithy.api#documentation": "<p>With License Manager, you can create user-based subscriptions to
utilize licensed software with\n\t\ta per user subscription fee on Amazon EC2 instances.</p>",
        "smithy.api#title": "AWS License Manager User Subscriptions",
        "smithy.rules#endpointRuleSet": {
          "version": "1.0",
          "parameters": {
            "Region": {
              "builtIn":
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"AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
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"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured
endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
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"rules": [
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"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
]
}
],

"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [

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                    {
                        "ref": "UseFIPS"
                    },
                    true
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        ],
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        "type": "error"
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"fn": "booleanEquals",
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                    },
                    true
                ]
            }
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        "type": "error"
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        "conditions": [],
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                "ref": "Endpoint"
            },
            "properties": {},

        "headers": {}
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        "type": "endpoint"
    }
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"type": "tree"
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            "argv": [
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                    "ref": "Region"
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                        "argv":
[
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                            }
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                        "assign": "PartitionResult"
                    }
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                "rules": [
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                                "fn": "booleanEquals",
                                "argv": [
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                                        "ref": "UseFIPS"
                                    },
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                                "argv": [
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                                        "ref": "UseDualStack"
                                    },
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                        "rules": [
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                                        "fn": "booleanEquals",
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true,
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"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsFIPS"
]
}
]
},

{
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"argv": [
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{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsDualStack"
]
}
]

}
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"rules": [
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"properties": {},
"headers": {}
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"type": "endpoint"
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"type": "tree"
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"conditions": [],

"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
],
"type": "tree"
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{
"conditions": [
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"fn": "booleanEquals",
"argv": [
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"ref": "UseFIPS"
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"argv": [
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"fn": "getAttr",
"argv": [
{

"ref": "PartitionResult"
},
"supportsFIPS"
]
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true
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"properties": {},
"headers": {}

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                    },
                    "type": "endpoint"
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                ],
                "type": "tree"
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              {
                "conditions": [],
                "error": "FIPS is enabled but this partition does not support FIPS",
                "type": "error"
              }

],
              "type": "tree"
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              "conditions": [
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                  "argv": [
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                      "ref": "UseDualStack"
                    },
                    true
                  ]
                }
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                        "fn": "getAttr",
                        "argv": [
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                            "ref": "PartitionResult"
                          },
                          "supportsDualStack"
                        ]
                      }

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                    }
                  ],
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"rules": [
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"properties": {},
"headers": {}
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"type": "endpoint"
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],
"type": "tree"
},
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"conditions": [],
"error": "DualStack is enabled but this partition does not support DualStack",
"type": "error"
}
],
"type": "tree"
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"endpoint": {
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"headers": {}
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"type": "endpoint"
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"type": "tree"
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"type": "tree"
},
{
"conditions": [],
"error": "Invalid Configuration: Missing Region",
"type": "error"
}
]
},
"smithy.rules#endpointTests": {
"testCases": [
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"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint":
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"url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
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"UseDualStack": true
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"UseDualStack": false
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},
"params": {
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"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
}
},

"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
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"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
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}
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"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
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                }
              },
              "params": {
                "Region": "cn-north-1",
                "UseFIPS": false,
                "UseDualStack":
false
              }
            },
            {
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              "expect": {
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
                }
              },
              "params": {
                "Region": "us-gov-east-1",
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                }
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                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
              "expect": {
                "endpoint": {
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                }
              },
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"params": {
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
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},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition
does not support one or both"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},

{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",

"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
}
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"params": {
"Region": "us-iso-east-1",
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"UseDualStack": false
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"UseDualStack": true
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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",

"expect": {
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}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},

{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
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"UseFIPS": false,

"UseDualStack": true
}
},
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"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {

"url": "https://example.com"
}
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},

"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint":
"https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are
not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServer": {
"type": "structure",
"members": {
"ProvisioningStatus": {
"target":

"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
"traits": {
"smithy.api#documentation": " The current state of the provisioning process for the RDS \n\t\t\tlicense server. "
}
},
"HealthStatus": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus",
"traits": {
"smithy.api#documentation": " The health status of the RDS license server. "
}
},
"Ipv4Address": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A list of domain IPv4 addresses that are used for the RDS \n\t\t\tlicense server. "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a Remote Desktop Services (RDS) license server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint": {
"type": "structure",
"members": {
"IdentityProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider that's associated with \n\t\t\tthe RDS license server endpoint. "
}
},
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of license server. "
}
},
"ServerEndpoint": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint",
"traits": {
"smithy.api#documentation": " The <code>ServerEndpoint</code> resource contains the network \n\t\t\taddress of the RDS license server endpoint. "
}

},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The message associated with the provisioning status, if there is one. "
}
},
"LicenseServerEndpointId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId",
"traits": {
"smithy.api#documentation": " The ID of the license server endpoint. "
}
},
"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The ARN of the <code>ServerEndpoint</code> resource for the RDS \n\t\t\tlicense server. "
}
},
"LicenseServerEndpointProvisioningStatus": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
"traits": {
"smithy.api#documentation": " The current state of the provisioning process for the RDS license \n\t\t\tserver endpoint "
}
},
"LicenseServers": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerList",
"traits": {
"smithy.api#documentation": " An array of <code>LicenseServer</code> resources that represent the \n\t\t\tlicense servers that are accessed through this endpoint. "
}
},
"CreationTime": {

"target": "smithy.api#Timestamp",
"traits": {
"smithy.api#documentation": " The timestamp when License Manager created the license server endpoint. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains details about a network endpoint for a Remote Desktop Services (RDS) \n\t\t\tlicense server. "

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        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId": {
        "type": "string"
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus": {
        "type": "string",
        "traits":
{
            "smithy.api#enum": [
                {
                    "name": "PROVISIONING",
                    "value": "PROVISIONING",
                    "documentation": ""
                },
                {
                    "name": "PROVISIONING_FAILED",
                    "value": "PROVISIONING_FAILED",
                    "documentation": ""
                },
                {
                    "name": "PROVISIONED",
                    "value": "PROVISIONED",
                    "documentation": ""
                },
                {
                    "name": "DELETING",
                    "value": "DELETING",
                    "documentation": ""
                },
                {
                    "name": "DELETION_FAILED",
                    "value": "DELETION_FAILED",
                    "documentation": ""
                },
                {
                     "name": "DELETED",
                    "value": "DELETED",
                    "documentation": ""
                }
            ]
        }
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    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "HEALTHY",
                    "value": "HEALTHY",
                    "documentation": ""
                },
                {
                    "name": "UNHEALTHY",
                    "value": "UNHEALTHY",
                    "documentation": ""
                },
                {
                    "name": "NOT_APPLICABLE",
                    "value": "NOT_APPLICABLE",
                    "documentation": ""
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerList":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServer"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings": {
        "type": "structure",
        "members": {
            "ServerType": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
                "traits": {
                    "smithy.api#documentation": "<p>The type of license server.</p>",
                    "smithy.api#required": {}
                }
            },
            "ServerSettings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServerSettings",
                "traits": {
                    "smithy.api#documentation": "<p>The <code>ServerSettings</code> resource contains the settings
for your \n\t\t\tserver.</p>",

            "smithy.api#required": {}
                }
```

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            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The settings to configure your license server.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the Active Directory identity providers for user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/ListIdentityProviders"
            },

         "smithy.api#paginated": {
                "inputToken": "NextToken",
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"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "IdentityProviderSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Product \n \n \n DirectoryId \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse": {
"type": "structure",
"members": {
"IdentityProviderSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
"traits": {

"smithy.api#documentation": " An array of <code>IdentityProviderSummary</code> resources that contain \n\t\t\tdetails about the Active Directory identity providers that meet the request criteria. ",
"smithy.api#required": {}
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the EC2 instances providing user-based subscriptions. ",
"smithy.api#http": {

"code": 200,
"method": "POST",
"uri": "/instance/ListInstances"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
"type": "structure",
"members": {
"MaxResults": {

"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Status \n \n \n InstanceId \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
"type": "structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",

"traits": {
"smithy.api#documentation": " An array of <code>InstanceSummary</code> resources that contain details \n\t\t\tabout the instances that provide user-based subscriptions and also meet the \n\t\t\trequest criteria. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {

"smithy.api#documentation": " List the Remote Desktop Services (RDS) License Server endpoints
",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/ListLicenseServerEndpoints"
},
"smithy.api#paginated": {

"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "LicenseServerEndpoints"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single
request. ",
"smithy.api#range": {
"min": 1,
"max": 100
}
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits":
{
"smithy.api#documentation": " You can use the following filters to streamline results: \n
\n \n IdentityProviderArn \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}

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        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse": {
        "type": "structure",
        "members": {
            "LicenseServerEndpoints": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList",
                 "traits": {
                    "smithy.api#documentation": "<p>An array of <code>LicenseServerEndpoint</code> resources that \n\t\t\tcontain detailed information about the RDS License Servers that meet \n\t\t\tthe request criteria.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
        "type": "operation",
        "input": {

            "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the user-based subscription products available from an identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListProductSubscriptions"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "ProductUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
"type": "structure",
"members": {
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n "
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {

"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Status \n \n \n Username \n \n \n Domain \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
"type": "structure",
"members": {
"ProductUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to
retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}

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        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

        }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Returns the list of tags for the specified resource.</p>",
            "smithy.api#http": {
                "method": "GET",
                "uri": "/tags/{ResourceArn}"
            },
            "smithy.api#readonly": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource whose tags
you want to retrieve.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {

    "smithy.api#input": {}
        }
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},
"com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse": {
    "type": "structure",
    "members": {
        "Tags": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
            "traits": {
                "smithy.api#documentation": "<p>The tags for the specified resource.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
    },
    "errors": [
         {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
    ],
    "traits":
```

{
"smithy.api#documentation": " Lists user associations for an identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListUserAssociations"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Status \n \n \n Username \n \n \n Domain \n \n "
}

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            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
        "type": "structure",
        "members": {
            "InstanceUserSummaries": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>The user name from the identity provider for this product user.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
```

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The status of a product for this user. ",
"smithy.api#required": {}
}
},
"ProductUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) for this product user. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for a product for this user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory
that contains the user information for the product subscription. "
}
},
"SubscriptionStartDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The start date of a subscription. "
}
},
"SubscriptionEndDate": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The end date of a subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " A summary of the user-based subscription products for a specific user. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings": {
"type": "structure",
"members": {
"RdsSalCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
"traits": {
"smithy.api#documentation": " The <code>CredentialsProvider</code> resource contains a reference to \n\t\t\tthe credentials provider that's used for RDS license server user administration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Server settings that are specific to a Remote Desktop Services (RDS) license server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
"type":
"operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/RegisterIdentityProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider to
register.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>",
                    "smithy.api#required": {}
                }
            },
```

"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration \n\t\t\tsettings such as the subnets to provision VPC endpoints. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply to the identity provider's registration. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,510})/([a-z0-9-\\.]{1,510})$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}

```
        },
        "traits": {
            "smithy.api#documentation": "<p>The resource couldn't be found.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 404
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider":
{
        "type": "structure",
        "members": {
            "SecretId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the Secrets Manager secret that contains
credentials.</p>",
                    "smithy.api#length": {
                        "min": 1
                    }
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Contains a credentials secret that's stored in Secrets Manager.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 5,
                "max": 200
            },
            "smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
         }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint": {
        "type": "structure",
        "members": {
            "Endpoint": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The network address of the endpoint.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A network endpoint through which you can access one or more
```

servers. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServerSettings": {
"type": "union",
"members": {
"RdsSalSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings",
"traits": {
"smithy.api#documentation": " The <code>RdsSalSettings</code> resource
contains settings to configure \n\t\t\ta specific Remote Desktop Services (RDS) license server. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains settings for a specific server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServerType": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "RDS_SAL",
"value": "RDS_SAL",
"documentation": ""
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation":
" The request failed because a service quota is exceeded. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Settings": {
"type": "structure",
"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",

"traits": {
"smithy.api#documentation": " The subnets defined for the registered identity provider. ",
"smithy.api#length": {
"min": 1
},
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound
TCP port 1688 communication between resources in\n\t\t\tyour VPC and the VPC endpoint for activation
servers. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings
such as the\n\t\t\tsubnets to provision VPC endpoints, and the security group ID that is associated with the
VPC\n\t\t\tendpoints. The security group should permit inbound TCP port 1688 communication from
resources\n\t\t\tin the VPC. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"

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            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Starts a product subscription for a user with the specified identity
provider.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related costs
will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing status)
in Amazon Web Services Billing. For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n\t\t\t\tmonthly
charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/StartProductSubscription"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
        "type":
 "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code>
 | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>",
                    "smithy.api#required": {}
```

```
            }
        },
        "Domain": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The domain name of the  Active Directory that contains the user
for whom to start the product \n\t\t\tsubscription.</p>"
            }
        },
        "Tags": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
            "traits": {
                "smithy.api#documentation": "<p>The tags that apply to the product subscription.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse":
{
    "type": "structure",
    "members": {
        "ProductUserSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
            "traits": {
                "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
    },

"errors": [
        {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],

"traits": {
"smithy.api#documentation": " Stops a product subscription for a user with the specified identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StopProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. "
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. "
}
},

"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n
Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
"
}
},
"ProductUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the product user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The
domain name of the Active Directory that contains the user for whom to stop the product \n\t\t\tsubscription. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription
operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String"
}

```
},
"com.amazonaws.licensemanagerusersubscriptions#Subnet": {
    "type": "string",
    "traits": {
        "smithy.api#pattern": "^subnet-[a-z0-9]{8,17}"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#Subnets": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#TagKeyList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 50
        },
        "smithy.api#sensitive": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#TagResource": {

"type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Adds tags to a resource.</p>",
```

```
            "smithy.api#http": {
                "method": "PUT",
                "uri": "/tags/{ResourceArn}"
            },

        "smithy.api#idempotent": {}
            }
        },
        "com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest": {
            "type": "structure",
            "members": {
                "ResourceArn": {
                    "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
                    "traits": {
                        "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want
to tag.</p>",
                        "smithy.api#httpLabel": {},
                        "smithy.api#required": {}
                    }
                },
                "Tags": {
                    "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
                    "traits": {
                        "smithy.api#documentation": "<p>The tags to apply to the specified resource.</p>",
                        "smithy.api#required": {}
                    }
                }
            },
            "traits":
 {
                "smithy.api#input": {}
            }
        },
        "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse": {
            "type": "structure",
            "members": {},
            "traits": {
                "smithy.api#output": {}
            }
        },
        "com.amazonaws.licensemanagerusersubscriptions#Tags": {
            "type": "map",
            "key": {
                "target": "smithy.api#String"
            },
            "value": {
                "target": "smithy.api#String"
            },
```

```
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }

    },
        "traits": {
            "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the
request.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Removes
 tags from a resource.</p>",
            "smithy.api#http": {
                "method": "DELETE",
                "uri": "/tags/{ResourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
```

"com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource that you want to remove tags from. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanagerusersubscriptions#TagKeyList",
"traits": {

"smithy.api#documentation": " The tag keys to remove from the resource. ",
"smithy.api#httpQuery": "tagKeys",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"

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            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates additional product configuration settings for the registered
identity\n\t\t\tprovider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/UpdateIdentityProviderSettings"
            },
            "smithy.api#idempotent": {}

    }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider"
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
                }
            },
            "IdentityProviderArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the
 identity provider to update.</p>"
                }
            },
            "UpdateSettings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
                "traits": {
                    "smithy.api#documentation": "<p>Updates the registered identity providers product related
configuration settings. You can\n\t\t\tupdate any combination of settings in a single operation such as the:</p>\n
<ul>\n            <li>\n                <p>Subnets which you want to add to provision VPC endpoints.</p>\n            </li>\n
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<li>\n <p>Subnets which you want to remove the VPC endpoints from.</p>\n </li>\n
<li>\n <p>Security group ID which permits traffic to the VPC endpoints.</p>\n </li>\n </ul>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {

  "smithy.api#input": {}
    }
  },
  "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
    "type": "structure",
    "members": {
      "IdentityProviderSummary": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
        "traits": {
          "smithy.api#required": {}
        }
      }
    },
    "traits": {
      "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
    "type": "structure",
    "members": {
      "AddSubnets": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
        "traits": {
          "smithy.api#documentation": "<p>The ID of one or more subnets in which License Manager will
create a VPC endpoint
 for products that\n\t\t\trequire connectivity to activation servers.</p>",
          "smithy.api#required": {}
        }
      },
      "RemoveSubnets": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
        "traits": {
          "smithy.api#documentation": "<p>The ID of one or more subnets to remove.</p>",
          "smithy.api#required": {}
        }
      },
      "SecurityGroupId": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
        "traits": {
          "smithy.api#documentation": "<p>A security group ID that allows inbound TCP port 1688
```

communication between resources in\n\t\t\tyour VPC and the VPC endpoints for activation servers. "
}
}
},
"traits": {
"smithy.api#documentation":
" Updates the registered identity providers product related configuration settings such as\n\t\t\tthe subnets to provision VPC endpoints. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " A parameter is not valid. ",
"smithy.api#error": "client"
}
}
}
}

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
```

```
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
```

```
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack,
options, "ListLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
```

```
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil
{
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
```

```
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "ListLicenses",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string
```

// Unique, case-sensitive identifier that you provide to ensure the idempotency of
// the request.
//
//
This member is required.
ClientToken *string

// Configuration for consumption of the license. Choose a provisional
// configuration for workloads running with continuous connectivity. Choose a
// borrow configuration for workloads with offline usage.
//
// This member is required.
ConsumptionConfiguration *types.ConsumptionConfiguration

// License entitlements.
//
// This member is required.
Entitlements []types.Entitlement

// Home Region for the license.
//
// This member is required.
HomeRegion *string

// License issuer.
//
// This member is required.
Issuer *types.Issuer

// License name.
//
// This member is required.
LicenseName *string

// Product name.
//
// This member is required.
ProductName *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// Date and time range during which the license is valid, in ISO8601-UTC format.
//
// This member is required.

```
 Validity *types.DatetimeRange

 // Information about
 the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if
 err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
```

```
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err
= addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
```

```
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack);
 err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
```

```
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
```

```
err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if
err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if
 err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
```

```
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
 }
}
ListLicenses
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
```

```
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
CheckoutLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager
```

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata
```

```
 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err
 != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
```

```
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options);
err != nil {
 return err
}
if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
```

```
 return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
DisassociateLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
```

setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AssociateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper

```
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
```

```
// [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
//
// This member is required.
DigitalSignatureMethod types.DigitalSignatureMethod

// License entitlements. Partial checkouts are not supported.
//
// This member is required.
Entitlements []types.EntitlementData

// Amazon Resource Name (ARN) of the license. The license must use the borrow
// consumption configuration.
//
// This member is required.
LicenseArn *string

// Information about constraints.
CheckoutMetadata []types.Metadata

// Node ID.
NodeId *string

noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

// Information about constraints.
CheckoutMetadata []types.Metadata

// Allowed license entitlements.
EntitlementsAllowed
[]types.EntitlementData

// Date and time at which the license checkout expires.
Expiration *string

// Date and time at which the license checkout is issued.
IssuedAt *string

// Amazon Resource Name (ARN) of the license.
LicenseArn *string

// License consumption token.
LicenseConsumptionToken *string

// Node ID.
NodeId *string
```

```
 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
```

```
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
 err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
```

```
 if err = addDisableHTTPSMiddleware(stack, options);
 err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
CheckInLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
```

ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AWS SDK for Go
Copyright 2015 Amazon.com, Inc. or its affiliates. All Rights Reserved.
Copyright 2014-2015 Stripe, Inc.
ListReceivedLicenses
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash

```
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {
```

```
 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err !=
 nil {
  return err
 }
```

```
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err
!= nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if
 err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
CreateLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
```

SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "shapes": {
      "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
          "type": "integer"
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
          "type": "long"
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
          "type": "operation",
          "input": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions \n\t\t\tregistered to your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/DeregisterSubscriptionProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the subscription provider resource to deregister. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {

"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of name to filter by. "
}
},
"Values": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " One or more values for the name to filter by. "
}
},
"Operator": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
"traits": {
"smithy.api#documentation": " An operator for filtering results. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"

```
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
             },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Get details for a Bring Your Own License (BYOL) subscription that's
registered to your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/GetRegisteredSubscriptionProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation":
 "<p>The Amazon Resource Name (ARN) of the BYOL registration resource to get details for.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
```

"smithy.api#documentation": " The Amazon Resource Name (ARN) for the BYOL registration resource specified in the request. "
}
},
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

"traits": {
"smithy.api#documentation": " The subscription provider for the BYOL registration resource specified \n\t\t\tin the request. "
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " The status of the Linux subscription provider access token from the last \n\t\t\tsuccessful subscription data request. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The detailed message from your subscription provider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time License Manager retrieved subscription details \n\t\t\tfrom your registered third-party Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
"type": "operation",
"input": {

"target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions service settings for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetServiceSettings"

},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
"type": "structure",
"members": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " Lists
the settings defined for Linux subscriptions discovery. The settings include if\n Organizations integration has
been enabled, and which Regions data will be aggregated from. "
}

```
            },
            "Status": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
                "traits": {
                    "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
                }
            },
            "HomeRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                 "traits": {
                    "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
        "type": "structure",
        "members": {
            "AmiId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
                }
            },
            "InstanceID": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
                }
            },
            "InstanceType": {
                "target": "smithy.api#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>The instance type of the resource.</p>"
                }
            },
            "AccountID": {
                "target": "smithy.api#String",
```

"traits": {
"smithy.api#documentation": " The account ID which owns the instance. "
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the instance. "
}
},
"Region": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},
"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the license subscription that the instance uses. "
}
},
"OsVersion": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The operating system software version that runs on your instance. "
}
},
"SubscriptionProviderCreateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp when you registered the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses. "
}
},
"SubscriptionProviderUpdateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that the instance synced with the registered \n\t\t\tthird-party Linux subscription provider. "
}
},
"DualSubscription": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Indicates that you have two different license subscriptions for \n\t\t\tthe same software on your instance. "
}
},
"RegisteredWithSubscriptionProvider": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " Indicates that your instance uses a BYOL license subscription from \n\t\t\ta third-party Linux subscription provider that you've registered with License Manager. "
}
}
},
"traits": {
"smithy.api#documentation": " Details discovered information about a running instance using Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {

```
        "type": "structure",
        "members": {
          "message": {
            "target": "smithy.api#String"
          }
        },
        "traits": {
          "smithy.api#documentation":
"<p>An exception occurred with the service.</p>",
          "smithy.api#error": "server"
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
        "type": "service",
        "version": "2018-05-10",
        "operations": [
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
           },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
```

```
            }
        ],
        "traits": {
            "aws.api#service": {
                "sdkId": "License Manager Linux Subscriptions",
                 "arnNamespace": "license-manager-linux-subscriptions",
                "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
            },
            "aws.auth#sigv4": {
                "name": "license-manager-linux-subscriptions"
            },
            "aws.protocols#restJson1": {},
            "smithy.api#cors": {
                "additionalAllowedHeaders": [
                    "*",
                    "content-type",
                    "x-amz-content-sha256",
                    "x-amz-user-agent",
                    "x-amzn-platform-id",
                    "x-amzn-trace-id"
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                "additionalExposedHeaders": [
                    "x-amzn-errortype",
                    "x-amzn-requestid",
                    "x-amzn-trace-id"
                ]
            },
            "smithy.api#documentation": "<p>With License Manager,
 you can discover and track your commercial Linux subscriptions on running\n      Amazon EC2 instances.</p>",
            "smithy.api#title": "AWS License Manager Linux Subscriptions",
            "smithy.rules#endpointRuleSet": {
                "version": "1.0",
                "parameters": {
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                        "required": false,
                        "documentation": "The AWS region used to dispatch the request.",
                        "type": "String"
                    },
                    "UseDualStack": {
                        "builtIn": "AWS::UseDualStack",
                        "required": true,
                        "default": false,
                        "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
                         "type": "Boolean"
                    },
                    "UseFIPS": {
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"builtIn": "AWS::UseFIPS",
"required": true,
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"type": "Boolean"
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"ref": "PartitionResult"

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                "argv": [

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                "supportsDualStack"
                ]
            }
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                    "headers": {}
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"argv": [
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"rules": [
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"conditions": [],
"endpoint": {
"url": "https://license-manager-linux-subscriptions.{Region}.{PartitionResult#dnsSuffix}",
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                    },
                    "type": "endpoint"
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            ],
            "type": "tree"
        }
    ],
    "type": "tree"
}
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"type": "error"
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{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"

}
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"params": {
"Region": "us-east-1",
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"UseDualStack": true
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"params": {
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"UseDualStack": false
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"UseFIPS": false,
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"params": {
"Region": "us-east-1",
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"UseDualStack": false
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
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"params": {
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
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}
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"params": {
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"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
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"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
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"endpoint": {
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"params": {
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"UseDualStack": false
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
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"params": {
"Region": "us-gov-east-1",

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"expect": {
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"params": {
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"UseDualStack": false
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
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"params": {
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"UseFIPS": false,
"UseDualStack": false
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"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"UseDualStack": true
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"params": {
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    }
  },
  "params": {
    "Region": "us-isob-east-1",
    "UseFIPS": true,
    "UseDualStack": false
  }
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  "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
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              "expect": {
                "endpoint": {
                  "url": "https://example.com"
                }

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              "params": {
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                "UseFIPS": false,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
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disabled",
              "expect": {
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                "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
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              "params": {
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                "UseFIPS": true,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
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              "documentation": "For custom endpoint with fips disabled and dualstack enabled",
              "expect": {
                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
              },
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"params": {

"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
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"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
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"version": "1.0"
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"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
"type": "string",
"traits": {
"smithy.api#enum": [
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"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled LinuxSubscriptionsDiscovery"

},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled LinuxSubscriptionsDiscovery"
}
]
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
"type": "structure",
"members": {
"SourceRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Regions in which to discover data for Linux subscriptions. ",
"smithy.api#required": {}
}
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"OrganizationIntegration": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
"traits": {
"smithy.api#documentation":
" Details if you have enabled resource discovery across your accounts in Organizations. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Lists the settings defined for discovering Linux subscriptions. "
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptionInstances"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Instances"
}

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        }
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    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":
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        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results by your
specified criteria. \n    \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the
\n    \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n
\t<code>Value</code>, such as <code>us-west</code>.</p>\n        <p>For each filter, you can specify one of the
following values for the <code>Name</code> key \n    \tto streamline results:</p>\n        <ul>\n            <li>\n
   <p>\n                <code>AccountID</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
      <code>AmiID</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>DualSubscription</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>InstanceID</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>InstanceType</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>ProductCode</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>Region</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>Status</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>UsageOperation</code>\n            </p>\n            </li>\n        </ul>\n        <p>For each filter, you can use
one of the following <code>Operator</code>
 values to \n  \t\tdefine the behavior of the filter:</p>\n        <ul>\n            <li>\n            <p>\n
<code>contains</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>equals</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>Notequal</code>\n            </p>\n            </li>\n        </ul>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to
 start paginating. This \n\tis the nextToken from a previously truncated response.</p>",
                    "smithy.api#length": {
                        "min": 1,
                        "max": 16384
                    }
                }
            }
        },
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"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
"type": "structure",
"members": {
"Instances": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
"traits": {
"smithy.api#documentation": " An array that contains instance objects. "
}
},
"NextToken": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations. ",

"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptions"
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"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",

"items": "Subscriptions"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't match a certain subscription's name. \n The valid names for this filter are: \n \n \n \n <code>Subscription</code>\n \n \n \n The
valid Operators for this filter are: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
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"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis
the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}

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            }
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        },
        "traits": {
          "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
        "type": "structure",
        "members": {
          "Subscriptions": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
            "traits": {
              "smithy.api#documentation": "<p>An array that contains subscription objects.</p>"
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
             "traits": {
              "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

         },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
          }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>List Bring Your Own License (BYOL) subscription registration
resources for your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListRegisteredSubscriptionProviders"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "RegisteredSubscriptionProviders"
            }
        }

    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSources": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
                "traits": {
                    "smithy.api#documentation": "<p>To filter your results, specify which subscription providers to
return \n\t\t\tin the list.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>",
                    "smithy.api#range": {
                        "min": 1,
                        "max": 100
                    }
                }

  },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis the
nextToken from a previously truncated response.</p>"
                }
            }
        },
```

"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
"type": "structure",
"members": {
"RegisteredSubscriptionProviders": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
"traits": {
"smithy.api#documentation": " The list of BYOL registration resources that fit the criteria \n\t\t\tyou specified in the request. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],

"traits": {
"smithy.api#documentation": " List the metadata tags that are assigned to the \n\t\t\tspecified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "GET",
"uri": "/tags/{resourceArn}"
},
"smithy.api#readonly": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource for which to list metadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
"type": "structure",
"members": {
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags for the requested resource. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "EQUAL",
"value": "Equal",

"documentation": "Equal operator"
},
{
"name": "NOT_EQUAL",
"value": "NotEqual",
"documentation": "Not equal operator"
},
{
"name": "CONTAINS",
"value": "Contains",
"documentation": "Contains operator"
}
],
"smithy.api#length": {
"min": 1,
"max": 20
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled OrganizationIntegration"
},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled OrganizationIntegration"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
"type": "list",
"member": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"

```
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Register the supported third-party subscription provider for your Bring
Your Own License (BYOL) subscription.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/RegisterSubscriptionProvider"

            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation": "<p>The supported Linux subscription provider to register.</p>",
                    "smithy.api#required": {}
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the secret where you've
stored your subscription provider's access token. For \n\t\t\tRHEL subscriptions managed through the
Red Hat Subscription Manager (RHSM), the secret contains \n\t\t\tyour Red Hat Offline token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
```

"traits": {
"smithy.api#documentation": " The metadata tags to assign to your registered Linux subscription provider \n\t\t\tresource. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " The Linux subscription provider that you registered. "
}
},
"SubscriptionProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " Indicates the status of the registration action for the Linux subscription provider \n\t\t\tthat you requested. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "

}
},
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " A supported third-party Linux subscription provider. License Manager currently supports \n\t\t\tRed Hat subscriptions. "
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Secrets Manager secret that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is the offline token. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " Indicates the status of your registered Linux subscription provider access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions, \n\t\t\tthis is the status of the offline token. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " A detailed message that's associated with your BYOL subscription \n\t\t\tprovider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that License Manager accessed third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#documentation": " A third-party provider for operating system (OS) platform software and license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider, License Manager can get subscription data from the registered provider. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":

```
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Unable to find the requested Amazon Web Services resource.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-
\\.]{0,63}:secret:[^/]{1,1023}$"

    }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "InProgress",
                    "value": "InProgress",
                    "documentation": "InProgress status"
                },
                {
                    "name": "Completed",
                    "value": "Completed",
                    "documentation": "Completed status"
                },
                {
                    "name": "Successful",
                    "value": "Successful",
                    "documentation": "Successful status"
                },
                {
                    "name": "Failed",
                    "value": "Failed",
```

```
                "documentation": "Failed status"
            }
        ]
    }
},

"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String",
        "traits": {
            "smithy.api#length": {
                "min": 1,
                "max": 100
            }
        }
    },
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 100
        },
        "smithy.api#uniqueItems": {}
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
    "type": "map",
    "key": {
        "target": "smithy.api#String"
    },
    "value": {
        "target": "smithy.api#String"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
    "type": "structure",
    "members": {
        "Name":
{
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The name of the subscription.</p>"
            }
        },
        "Type": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included
```

with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS. "
}
},
"InstanceCount": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
"traits": {
"smithy.api#documentation": " The total amount of running instances using this subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " An object which details a discovered Linux subscription. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
"type": "string",
"traits": {
"smithy.api#enum": [

{
"name": "RedHat",
"value": "RedHat",
"documentation": "RedHat subscription provider namespace"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
}

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "ACTIVE",
                    "value": "ACTIVE",
                    "documentation": "ACTIVE status"
                },
                {
                    "name": "INVALID",
                    "value": "INVALID",

"documentation": "INVALID status"
                },
                {
                    "name": "PENDING",
                    "value": "PENDING",
                    "documentation": "PENDING status"
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
        "type": "list",
        "member": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Add metadata tags to the specified Amazon Web Services
resource.</p>",
            "smithy.api#http": {
                "method": "PUT",
                "uri": "/tags/{resourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
        "type": "structure",
        "members":
 {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to which to add the specified \n\t\t\tmetadata tags.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags to assign to the Amazon Web Services resource.
Tags are \n\t\t\tformatted as key value pairs.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }

    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
        "type": "structure",
        "members": {},
```

```
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
        "value": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation":
"<p>The request was denied due to request throttling.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web
Services resource.</p>",
             "smithy.api#http": {
                "method": "DELETE",
                "uri": "/tags/{resourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
        "type": "structure",
        "members": {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to remove the metadata tags from.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "tagKeys": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
                "traits": {

            "smithy.api#documentation": "<p>A list of metadata tag keys to remove from the requested
\n\t\t\tresource.</p>",
                    "smithy.api#httpQuery": "tagKeys",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
        "type": "operation",
        "input": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"

},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates the service settings for Linux subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/UpdateServiceSettings"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Describes if the discovery of Linux subscriptions is enabled. ",
"smithy.api#required": {}
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. ",
"smithy.api#required": {}
}
},
"AllowUpdate": {
"target":

"smithy.api#Boolean",
"traits": {
"smithy.api#documentation": " Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}

},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}

```
            }
        },
        "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
            "type": "structure",
            "members": {
                "message": {
                    "target": "smithy.api#String"
                }
            },
            "traits": {
                "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
                "smithy.api#error": "client"
            }
        }
    }
}
```


GetLicense

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

spanInitializeEnd

Serialize stack step

spanBuildRequestStart

setOperationInput

ResolveEndpoint

OperationSerializer

Build stack step

ClientRequestID

ComputeContentLength

UserAgent

AddTimeOffsetMiddleware

RecursionDetection

spanBuildRequestEnd

Finalize stack step

ResolveAuthScheme

GetIdentity

ResolveEndpointV2

disableHTTPS

ComputePayloadHash

spanRetryLoop

Retry

RetryMetricsHeader

setLegacyContextSigningOptions

Signing

Deserialize stack step

AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckoutBorrowLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware

RecordResponseTiming
RequestResponseLogger
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```
package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
```

```
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
```

```
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
```

```
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack,
 c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
```

```
 return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err !=
 nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
```

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// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
   - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
```

```
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
```

```
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err =
 addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
```

```
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err !=
 nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
DeleteLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
```

OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "metadata": {
      "suppressions": [
          {
              "id": "HttpMethodSemantics",
              "namespace": "*"
          },
          {
              "id": "HttpResponseCodeSemantics",
              "namespace": "*"
          },
          {
              "id": "PaginatedTrait",
              "namespace": "*"
          },
          {
              "id": "HttpHeaderTrait",
              "namespace": "*"
```

```
        },
        {
            "id": "HttpUriConflict",
            "namespace": "*"
        },
        {
            "id": "Service",
            "namespace": "*"
        }
    ]
},
"shapes": {
    "com.amazonaws.licensemanager#AWSLicenseManager": {
        "type": "service",
        "version": "2018-08-01",
        "operations": [
            {
                "target": "com.amazonaws.licensemanager#AcceptGrant"
            },

 {
                "target": "com.amazonaws.licensemanager#CheckInLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CheckoutLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateGrant"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateGrantVersion"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
             },
            {
```

"target": "com.amazonaws.licensemanager#CreateLicenseVersion"
},
{
"target": "com.amazonaws.licensemanager#CreateToken"
},
{
"target": "com.amazonaws.licensemanager#DeleteGrant"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicense"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#DeleteToken"
},
{
"target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

},
{
"target": "com.amazonaws.licensemanager#GetAccessToken"
},
{
"target": "com.amazonaws.licensemanager#GetGrant"
},
{
"target": "com.amazonaws.licensemanager#GetLicense"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseUsage"
},
{
"target": "com.amazonaws.licensemanager#GetServiceSettings"
},

{
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#ListDistributedGrants"
},
{
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
},
{
"target": "com.amazonaws.licensemanager#ListLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
},
{

"target": "com.amazonaws.licensemanager#ListLicenseVersions"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedGrants"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
},
{
"target": "com.amazonaws.licensemanager#ListResourceInventory"
},
{
"target": "com.amazonaws.licensemanager#ListTagsForResource"
},
{
"target": "com.amazonaws.licensemanager#ListTokens"

```
        },
        {
          "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
        },
        {
          "target": "com.amazonaws.licensemanager#RejectGrant"
        },
        {
          "target": "com.amazonaws.licensemanager#TagResource"
        },
        {
          "target": "com.amazonaws.licensemanager#UntagResource"
        },
        {
          "target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
        },
        {
          "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
        },
        {
          "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
        },
        {
          "target": "com.amazonaws.licensemanager#UpdateServiceSettings"
        }
      ],
      "traits": {
        "aws.api#service": {
          "sdkId": "License Manager",
          "arnNamespace": "license-manager",
          "cloudFormationName": "LicenseManager",
          "cloudTrailEventSource": "licensemanager.amazonaws.com",
          "endpointPrefix": "license-manager"
        },
        "aws.auth#sigv4": {
          "name": "license-manager"
        },
        "aws.protocols#awsJson1_1": {},
        "smithy.api#documentation": "<p>License Manager makes it easier to manage licenses from software
vendors across multiple \n        Amazon Web Services accounts and on-premises servers.</p>",
        "smithy.api#title": "AWS License Manager",
        "smithy.api#xmlNamespace": {
          "uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
        },
        "smithy.rules#endpointRuleSet": {
          "version": "1.0",
          "parameters": {
```

```
            "Region": {
              "builtIn": "AWS::Region",
              "required": false,
              "documentation": "The AWS region used to dispatch the request.",
              "type": "String"
            },
            "UseDualStack": {
              "builtIn": "AWS::UseDualStack",
              "required": true,
              "default": false,
              "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
              "type": "Boolean"
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            "UseFIPS": {
              "builtIn": "AWS::UseFIPS",
              "required": true,
              "default": false,
              "documentation": "When true, send
 this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant
endpoint, dispatching the request will return an error.",
              "type": "Boolean"
            },
            "Endpoint": {
              "builtIn": "SDK::Endpoint",
              "required": false,
              "documentation": "Override the endpoint used to send this request",
              "type": "String"
            }
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          "rules": [
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              "conditions": [
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                  "fn": "isSet",
                  "argv": [
                    {
                      "ref": "Endpoint"
                    }
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              }
              ],
              "type": "tree",
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                {
                  "conditions": [
                    {
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                    "ref": "UseFIPS"
                  },
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            "type": "error"
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"conditions": [
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                "fn": "booleanEquals",
                "argv": [
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                    "ref": "UseDualStack"
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            "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
            "type": "error"
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            "conditions": [],
            "endpoint": {
              "url": {
                "ref": "Endpoint"
              },
              "properties": {},
              "headers": {}
            },
            "type": "endpoint"
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        ]
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        "conditions": [
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            "fn": "isSet",
            "argv": [
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                "ref": "Region"
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                    "argv": [
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                                },
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                    "fn": "getAttr",
                    "argv": [
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                        "ref": "PartitionResult"
                      },
                      "supportsFIPS"
                    ]

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                "argv": [
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                    "fn": "getAttr",
                    "argv": [
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                        "ref": "PartitionResult"
                      },

"supportsDualStack"
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                  }
                ]
              }
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            "type": "tree",
            "rules": [
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                "conditions": [],
                "endpoint": {
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fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                  "properties": {},
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                "type": "endpoint"
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            "conditions": [],
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"type": "error"
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"argv": [
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"argv": [
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"properties": {},

"headers": {}
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"type": "endpoint"
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"type": "error"
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manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
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                      "headers": {}

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                    "type": "endpoint"
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                "type": "error"
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            "conditions": [],
            "endpoint": {
              "url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
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              "headers": {}
            },
            "type": "endpoint"
          }
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    ]
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    "conditions": [],
    "error": "Invalid Configuration: Missing Region",
    "type": "error"
  }
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"smithy.rules#endpointTests": {
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      "expect": {
        "endpoint":
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        "params": {
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            "UseFIPS": false,
            "UseDualStack": false
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                "url": "https://license-manager.ap-east-1.amazonaws.com"
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        "params": {
            "Region": "ap-east-1",
            "UseFIPS": false,
            "UseDualStack": false
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        "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",
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        "params": {
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            "UseFIPS": false,
            "UseDualStack": false
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        "documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.ap-northeast-2.amazonaws.com"
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        "params": {
            "Region": "ap-northeast-2",
            "UseFIPS": false,
            "UseDualStack": false
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        },
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          "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
          "expect": {
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            }
          },
          "params": {
            "Region": "ap-northeast-3",
            "UseFIPS": false,
            "UseDualStack": false
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          "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
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          "params": {
            "Region": "ap-south-1",
            "UseFIPS": false,
            "UseDualStack": false
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          "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-southeast-1.amazonaws.com"

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          "params": {
            "Region": "ap-southeast-1",
            "UseFIPS": false,
            "UseDualStack": false
          }
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        {
          "documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-southeast-2.amazonaws.com"
            }
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            },
            "params": {
                "Region": "ap-southeast-2",
                "UseFIPS": false,
                "UseDualStack": false
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        },
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"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-southeast-3.amazonaws.com"
                }
            },
            "params": {
                "Region": "ap-southeast-3",
                "UseFIPS": false,
                "UseDualStack": false
            }
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            "documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
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         "params": {
                "Region": "ca-central-1",
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                "UseDualStack": false
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            "documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.eu-central-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "eu-central-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
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{
"documentation": "For region eu-north-1 with FIPS
disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-north-1.amazonaws.com"
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},
"params": {
"Region": "eu-north-1",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-south-1.amazonaws.com"
}
},
"params": {
"Region":
"eu-south-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-west-1.amazonaws.com"
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"params": {
"Region": "eu-west-1",
"UseFIPS": false,
"UseDualStack": false
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{
"documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
"expect": {

"endpoint": {
"url": "https://license-manager.eu-west-2.amazonaws.com"
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        },
        "params": {
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          "UseFIPS": false,
          "UseDualStack": false
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        "documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.eu-west-3.amazonaws.com"
          }
        },
        "params": {
          "Region": "eu-west-3",
          "UseFIPS": false,

"UseDualStack": false
        }
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        "documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.me-south-1.amazonaws.com"
          }
        },
        "params": {
          "Region": "me-south-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
      },
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        "documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.sa-east-1.amazonaws.com"
           }
        },
        "params": {
          "Region": "sa-east-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
      },
      {
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"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-1.amazonaws.com"
}
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"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
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{
"documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-east-2.amazonaws.com"
}

},
"params": {
"Region": "us-east-2",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-2.amazonaws.com"
}
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"params": {

"Region": "us-east-2",
"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region
us-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-west-1.amazonaws.com"
}
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"params": {
"Region": "us-west-1",
"UseFIPS": false,
"UseDualStack": false
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{
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"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager.us-west-2.amazonaws.com"
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"Region": "us-west-2",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",

"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-west-2.amazonaws.com"
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"params": {
"Region": "us-west-2",
"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,

"UseDualStack": true
}
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{
"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
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},
"params": {

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            "Region": "cn-north-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
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        "documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
            }
        },
        "params": {
            "Region": "cn-northwest-1",
            "UseFIPS": false,
            "UseDualStack": false

}
    },
    {
        "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
            }
        },
        "params": {
            "Region": "cn-north-1",
            "UseFIPS": true,
            "UseDualStack": true
        }
    },
    {
        "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
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        "params": {
            "Region": "cn-north-1",
            "UseFIPS": true,
            "UseDualStack": false
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        "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
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                "url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
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        "params": {
            "Region": "cn-north-1",
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            "UseDualStack": true
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{
        "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-gov-east-1.amazonaws.com"
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        "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
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    {
        "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
            }
         },
        "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-gov-west-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "us-gov-west-1",
            "UseFIPS": false,
            "UseDualStack": false
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                "documentation":
"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
                "expect": {
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                "params": {
                    "Region": "us-gov-west-1",
                    "UseFIPS": true,
                    "UseDualStack": false
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            {
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                "expect": {
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                    }
                },

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                    "UseFIPS": true,
                    "UseDualStack": true
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                "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager.us-gov-east-1.api.aws"
                    }
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                "params": {
                    "Region": "us-gov-east-1",
                    "UseFIPS": false,
                    "UseDualStack": true
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            },
            {
                "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
                "expect": {
                    "endpoint": {
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```
                "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
            }
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
            "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": true,
             "UseDualStack": true
        }
    },
    {
        "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
            }
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
        "expect": {
            "error": "DualStack is enabled
but this partition does not support DualStack"
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": false,
            "UseDualStack": true
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    },
    {
        "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
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"endpoint": {
"url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},

{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
}
},

"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,

"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {

"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
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"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
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"version": "1.0"
}
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
"output": {
"target": "com.amazonaws.licensemanager#AcceptGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"

```
    }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant
ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
```

"com.amazonaws.licensemanager#AccessDeniedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
"httpResponseCode": 401
},
"smithy.api#documentation": " Access to resource denied. ",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
"type": "enum",
"members": {
"DISTRIBUTED_GRANTS_ONLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
}
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperation": {

"type": "enum",
"members": {
"CREATE_GRANT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateGrant"
}
},
"CHECKOUT_LICENSE": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "CheckoutLicense"
}
},
"CHECKOUT_BORROW_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutBorrowLicense"
}
},
"CHECK_IN_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckInLicense"
}
},
"EXTEND_CONSUMPTION_LICENSE":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ExtendConsumptionLicense"
}
},
"LIST_PURCHASED_LICENSES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ListPurchasedLicenses"
}
},
"CREATE_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateToken"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperationList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#AllowedOperation"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max":
7
}
}

```
    },
    "com.amazonaws.licensemanager#Arn": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 2048
            },
            "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-
z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
        }
    },
    "com.amazonaws.licensemanager#ArnList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Arn"
        }
    },
    "com.amazonaws.licensemanager#AuthorizationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError":
 {
                "code": "AuthorizationFailure",
                "httpResponseCode": 403
            },
            "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to
perform the action. Check the IAM\n        policy associated with this account.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 403
        }
    },
    "com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
        "type": "structure",
        "members": {
            "LastRunTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
                }
            }
        },
        "traits": {
```

"smithy.api#documentation": " Describes automated discovery. "
}
},

"com.amazonaws.licensemanager#Boolean": {
"type": "boolean",
"traits": {
"smithy.api#default": false
}
},
"com.amazonaws.licensemanager#BorrowConfiguration": {
"type": "structure",
"members": {
"AllowEarlyCheckIn": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether early check-ins are allowed. ",
"smithy.api#required": {}
}
},
"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the borrow configuration, in minutes. ",
"smithy.api#required": {}
}
}

},
"traits": {
"smithy.api#documentation": " Details about a borrow configuration. "
}
},
"com.amazonaws.licensemanager#BoxBoolean": {
"type": "boolean"
},
"com.amazonaws.licensemanager#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanager#BoxLong": {
"type": "long"
},
"com.amazonaws.licensemanager#CheckInLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks in the specified license. Check in a license when it is no longer in use. "
}
},
"com.amazonaws.licensemanager#CheckInLicenseRequest":
{
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " License beneficiary. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckInLicenseResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{
"target":
"com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{

"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license for offline use. "
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
"type": "structure",
"members":
{
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The license must use the borrow consumption configuration. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. Partial checkouts are not supported. ",
"smithy.api#required": {}
}
},
"DigitalSignatureMethod": {
"target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
"traits": {
"smithy.api#documentation": " Digital signature method. The possible value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see RFC 7518 Digital Signature with RSASSA-PSS. ",
"smithy.api#required": {}
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "

```
            }
          },
          "CheckoutMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
              "smithy.api#documentation": "<p>Information about constraints.</p>"
            }
          },
          "ClientToken": {
            "target": "com.amazonaws.licensemanager#ClientToken",
            "traits": {
              "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
          },
          "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>License consumption token.</p>"
            }
          },
          "EntitlementsAllowed":
{
            "target": "com.amazonaws.licensemanager#EntitlementDataList",
            "traits": {
              "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
            }
          },
          "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Node ID.</p>"
            }
```

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            },
            "SignedToken": {
                "target": "com.amazonaws.licensemanager#SignedToken",
                "traits": {
                    "smithy.api#documentation": "<p>Signed token.</p>"
                }
            },
            "IssuedAt": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
                }
            },
            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target":
"com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license.</p>\n        <note>\n            <p>If the
account that created the license is the same that is performing the check out, you must\n            specify the account
as the beneficiary.</p>\n        </note>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicenseRequest": {
        "type": "structure",
        "members": {
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product
SKU.</p>",
                    "smithy.api#required": {}
                }
            },
            "CheckoutType": {
                "target": "com.amazonaws.licensemanager#CheckoutType",
                "traits": {
                    "smithy.api#documentation": "<p>Checkout type.</p>",
                    "smithy.api#required": {}
                }
            },
```

"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Key fingerprint identifying the license. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
"type": "structure",
"members": {
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. "

```
            }
        },
        "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License consumption token.</p>"
            }
        },
        "EntitlementsAllowed": {
            "target": "com.amazonaws.licensemanager#EntitlementDataList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
            }
        },
         "SignedToken": {
            "target": "com.amazonaws.licensemanager#SignedToken",
            "traits": {
                "smithy.api#documentation": "<p>Signed token.</p>"
            }
        },
        "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
            }
        },
        "IssuedAt": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
            }
        },
        "Expiration": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
            }
        },
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
```

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    }
},
"com.amazonaws.licensemanager#CheckoutType": {
    "type": "enum",
    "members": {
        "PROVISIONAL": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PROVISIONAL"
            }
        },
        "PERPETUAL": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PERPETUAL"
            }
        }
    }
},
"com.amazonaws.licensemanager#ClientRequestToken": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 36
        }
    }
},
"com.amazonaws.licensemanager#ClientToken": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 2048
        },
        "smithy.api#pattern": "^\\S+$"
    }
},
"com.amazonaws.licensemanager#ConflictException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "ConflictException",
```

"httpResponseCode":
409
},
"smithy.api#documentation": " There was a conflict processing the request. Try your request again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 409
}
},
"com.amazonaws.licensemanager#ConsumedLicenseSummary": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Resource type of the resource consuming a license. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},

"traits": {
"smithy.api#documentation": " Details about license consumption. "
}
},
"com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
}
},
"com.amazonaws.licensemanager#ConsumptionConfiguration": {
"type": "structure",
"members": {
"RenewType": {
"target": "com.amazonaws.licensemanager#RenewType",
"traits": {
"smithy.api#documentation": " Renewal frequency. "
}
},
"ProvisionalConfiguration": {
"target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
"traits": {

"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"BorrowConfiguration": {
"target": "com.amazonaws.licensemanager#BorrowConfiguration",
"traits": {
"smithy.api#documentation": " Details about a borrow configuration. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about a consumption configuration. "
}
},
"com.amazonaws.licensemanager#CreateGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a grant for the specified license. A grant shares the use of

license\n entitlements with a specific Amazon Web Services account, an organization, or an\n organizational unit (OU). For more
information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#CreateGrantRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}

}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Principals": {
"target": "com.amazonaws.licensemanager#PrincipalArnList",
"traits": {
"smithy.api#documentation": " The grant principals. You can specify one of the following as an Amazon Resource Name\n (ARN): \n \n \n An Amazon Web Services account, which includes only the account specified. \n \n \n \n \n An organizational unit (OU), which includes all accounts in the OU. \n \n \n \n
\n An organization, which will include all accounts across your organization. \n \n ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

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                "smithy.api#documentation": "<p>Home Region of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "AllowedOperations": {
            "target": "com.amazonaws.licensemanager#AllowedOperationList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersion":
{
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
```

```
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
             },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information,
see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",

  "smithy.api#required": {}
                }
            },
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
```

```
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
            "smithy.api#required": {}
          }
        },
        "GrantName": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Grant name.</p>"
          }
        },
        "AllowedOperations": {
          "target": "com.amazonaws.licensemanager#AllowedOperationList",
          "traits": {
            "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
          }
        },
        "Status": {
          "target": "com.amazonaws.licensemanager#GrantStatus",
           "traits": {
            "smithy.api#documentation": "<p>Grant status.</p>"
          }
        },
        "StatusReason": {
          "target": "com.amazonaws.licensemanager#StatusReasonMessage",
          "traits": {
            "smithy.api#documentation": "<p>Grant status reason.</p>"
          }
        },
        "SourceVersion": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Current version of the grant.</p>"
          }
        },
        "Options": {
          "target": "com.amazonaws.licensemanager#Options",
          "traits": {
            "smithy.api#documentation": "<p>The options specified for the grant.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionResponse": {
      "type": "structure",
      "members": {
```

```
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>New version of the grant.</p>"
                }
            }
        },
        "traits":
{
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager. Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or
 all of these), license affinity  to host (how long a \n        license must be associated with a host), and the number of licenses purchased and used.</p>"
        }
```

```
    },
    "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
      "type": "structure",
      "members": {
        "Name": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Name of the license configuration.</p>",
            "smithy.api#required": {}
          }
        },
        "Description": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Description of the license configuration.</p>"
          }
        },
        "LicenseCountingType": {
          "target": "com.amazonaws.licensemanager#LicenseCountingType",
           "traits": {
            "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
            "smithy.api#required": {}
          }
        },
        "LicenseCount": {
          "target": "com.amazonaws.licensemanager#BoxLong",
          "traits": {
            "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
          }
        },
        "LicenseCountHardLimit": {
          "target": "com.amazonaws.licensemanager#BoxBoolean",
          "traits": {
            "smithy.api#documentation": "<p>Indicates whether hard or soft license enforcement is used.
Exceeding a hard limit\n        blocks the launch of new instances.</p>"
          }
        },
        "LicenseRules": {
          "target":
 "com.amazonaws.licensemanager#StringList",
          "traits": {
            "smithy.api#documentation": "<p>License rules. The syntax is #name=value (for example,
#allowedTenancy=EC2-DedicatedHost). The available rules \n        vary by dimension, as follows.</p>\n
<ul>\n        <li>\n        <p>\n        <code>Cores</code> dimension: <code>allowedTenancy</code> |\n
        <code>licenseAffinityToHost</code> |\n        <code>maximumCores</code> |
<code>minimumCores</code>\n        </p>\n        </li>\n        <li>\n        <p>\n
<code>Instances</code> dimension: <code>allowedTenancy</code> | \n        <code>maximumCores</code> |
<code>minimumCores</code> |\n        <code>maximumSockets</code> | <code>minimumSockets</code> |\n
```

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        <code>maximumVcpus</code> | <code>minimumVcpus</code>\n            </p>\n          </li>\n
<li>\n
  <p>\n                <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n
<code>licenseAffinityToHost</code> |\n            <code>maximumSockets</code> |
<code>minimumSockets</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n
<code>honorVcpuOptimization</code> | \n            <code>maximumVcpus</code> |
<code>minimumVcpus</code>\n            </p>\n          </li>\n        </ul>\n        <p>The unit for
<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n        values for
<code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n
<code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n
<code>True</code> and <code>False</code>.</p>"
            }
          },

  "Tags": {
            "target": "com.amazonaws.licensemanager#TagList",
            "traits": {
              "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
            }
          },
          "DisassociateWhenNotFound": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
              "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
            }
          },
          "ProductInformationList": {
            "target": "com.amazonaws.licensemanager#ProductInformationList",
            "traits": {
              "smithy.api#documentation": "<p>Product information.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
 {
        "type": "structure",
        "members": {
          "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
```

```
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
             },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {

                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting
the license type for.</p>",
                    "smithy.api#required": {}
```

```
                }
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information that identifies the license type you are converting
from. \n\n        For the structure of the source license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
                    "smithy.api#required": {}
                }
            },
            "DestinationLicenseContext":
 {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information that identifies the license type you are converting to.
For the structure of the destination license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

       "traits": {
                    "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
        },
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        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
             },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "ReportGeneratorName":
{
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types an be
```

generated: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}

}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}

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    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
      "type": "structure",
      "members": {
        "LicenseManagerReportGeneratorArn":
{
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the new report
generator.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#CreateLicenseRequest": {
      "type": "structure",
      "members": {
        "LicenseName": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>License name.</p>",
            "smithy.api#required": {}
          }
        },
        "ProductName": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Product
name.</p>",
            "smithy.api#required": {}
          }
        },
        "ProductSKU": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Product SKU.</p>",
            "smithy.api#required": {}
          }
        },
        "Issuer": {
          "target": "com.amazonaws.licensemanager#Issuer",
          "traits": {
            "smithy.api#documentation": "<p>License issuer.</p>",
            "smithy.api#required": {}
          }
```

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            },
            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region for the license.</p>",
                    "smithy.api#required": {}

    }
            },
            "Validity": {
                "target": "com.amazonaws.licensemanager#DatetimeRange",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>",
                    "smithy.api#required": {}
                }
             },
            "ConsumptionConfiguration": {
                "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n          running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n          usage.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
```

```
            "traits": {
                "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseResponse": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        },
        "Version": {
             "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
             },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target":
"com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits":
{
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the license. ",
"smithy.api#required": {}
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}

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            },

  "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>",
                    "smithy.api#required": {}
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the license.</p>"
                }
            }
        },
        "traits": {

 "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>License ARN.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>New version of the license.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>"
```

```
            }
          }
        },
        "traits": {
          "smithy.api#output":
{}
        }
      },
      "com.amazonaws.licensemanager#CreateToken": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#CreateTokenRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#CreateTokenResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#RedirectException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
          },

      {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n        <p>A refresh token is a JWT
token used to get an access token. With an access token,\n        you can call AssumeRoleWithWebIdentity to get
role credentials that you can use to \n        call License Manager to manage the specified license.</p>"
        }
```

```
    },
    "com.amazonaws.licensemanager#CreateTokenRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is
mapped to the aud claim of the\n         JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "RoleArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the
token. \n         License Manager does not check whether the roles are in use.</p>"
                }
            },
            "ExpirationInDays": {
                "target": "com.amazonaws.licensemanager#Integer",
                "traits": {
                    "smithy.api#documentation": "<p>Token expiration, in days, counted from token creation. The
default is 365 days.</p>"
                }
            },
            "TokenProperties": {
                 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Data specified by the caller to be included in the JWT token. The
data is mapped\n         to the amr claim of the JWT token.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateTokenResponse": {
        "type": "structure",
```

```
    "members": {
      "TokenId": {
        "target": "com.amazonaws.licensemanager#String",

       "traits": {
          "smithy.api#documentation": "<p>Token ID.</p>"
        }
      },
      "TokenType": {
        "target": "com.amazonaws.licensemanager#TokenType",
        "traits": {
          "smithy.api#documentation": "<p>Token type.</p>"
        }
      },
      "Token": {
        "target": "com.amazonaws.licensemanager#TokenString",
        "traits": {
          "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
  },
  "com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
      "Begin": {
         "target": "com.amazonaws.licensemanager#ISO8601DateTime",
        "traits": {
          "smithy.api#documentation": "<p>Start of the time range.</p>",
          "smithy.api#required": {}
        }
      },
      "End": {
        "target": "com.amazonaws.licensemanager#ISO8601DateTime",
        "traits": {
          "smithy.api#documentation": "<p>End of the time range.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
```

```
    },
    "com.amazonaws.licensemanager#DeleteGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "StatusReason": {
```

"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " The Status reason for the delete request. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the
grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation":
" Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicense": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"

```
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n        <p>You cannot
delete a license configuration that is in use.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
        "type": "structure",
        "members":
 {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
        },
        "output": {
```

"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified report generator. \n This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator to be deleted. ",
"smithy.api#required": {}
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the license. ",
"smithy.api#required":
{}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseResponse": {
"type": "structure",
"members": {
"Status": {
"target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"DeletionDate": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date when the license is deleted. "
}
}

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        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteToken": {
        "type": "operation",
         "input": {
            "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },

    {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenRequest": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

"smithy.api#documentation": " Token ID. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteTokenResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}

}
},
"com.amazonaws.licensemanager#DigitalSignatureMethod": {
"type": "enum",
"members": {
"JWT_PS384": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "JWT_PS384"
}
}
}
},
"com.amazonaws.licensemanager#Entitlement": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement resource. Use only
if the unit is None. "
}
},
"MaxCount": {
"target": "com.amazonaws.licensemanager#Long",
"traits": {

"smithy.api#documentation": " Maximum entitlement count. Use if the unit is not None. "
}
},
"Overage": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether overages are allowed. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementUnit",
"traits": {
"smithy.api#documentation": " Entitlement unit. ",
"smithy.api#required": {}
}
},
"AllowCheckIn": {
"target":
"com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether check-ins are allowed. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a resource entitled for use with a license. "
}
},
"com.amazonaws.licensemanager#EntitlementData": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement data name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement
data value. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementDataUnit",
"traits": {

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                "smithy.api#documentation": "<p>Entitlement data unit.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
    }
},
"com.amazonaws.licensemanager#EntitlementDataList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#EntitlementData"
    }
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
    "type": "enum",
    "members": {
        "COUNT": {
            "target": "smithy.api#Unit",
            "traits": {

"smithy.api#enumValue": "Count"
            }
        },
        "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "None"
            }
        },
        "SECONDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Seconds"
            }
        },
        "MICROSECONDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Microseconds"
            }
        },
        "MILLISECONDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Milliseconds"
            }
```

```
        },
        "BYTES": {
          "target": "smithy.api#Unit",
           "traits": {
             "smithy.api#enumValue": "Bytes"
          }
        },
        "KILOBYTES": {
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Kilobytes"
          }
        },
        "MEGABYTES": {
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Megabytes"
          }
        },
        "GIGABYTES": {
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Gigabytes"
          }
        },
        "TERABYTES": {
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Terabytes"
          }
        },
        "BITS":
{
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Bits"
          }
        },
        "KILOBITS": {
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Kilobits"
          }
        },
        "MEGABITS": {
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Megabits"
```

```
            }
        },
        "GIGABITS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Gigabits"
            }
        },
        "TERABITS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabits"

    }
        },
        "PERCENT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Percent"
            }
        },
        "BYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Bytes/Second"
            }
        },
        "KILOBYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobytes/Second"
            }
        },
        "MEGABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Megabytes/Second"
            }
        },
        "GIGABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "Gigabytes/Second"
            }
        },
        "TERABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
```

"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},
"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Entitlement"
}
},

"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The entitlement is not allowed. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#EntitlementUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},

"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}

```
            },
            "GIGABITS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Gigabits"
                }
            },
            "TERABITS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Terabits"
                }
            },
            "PERCENT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Percent"
                }
            },
            "BYTES_PER_SECOND": {
                "target":
"smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Bytes/Second"
                }
            },
            "KILOBYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Kilobytes/Second"
                }
            },
            "MEGABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Megabytes/Second"
                }
            },
            "GIGABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Gigabytes/Second"
                }
            },
            "TERABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
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"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},

"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementUsage": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Entitlement usage name. ",
"smithy.api#required": {}
}
},
"ConsumedValue": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Resource usage consumed. ",
"smithy.api#required": {}
}
},
"MaxCount": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Maximum entitlement usage count. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementDataUnit",
"traits": {
"smithy.api#documentation": " Entitlement usage unit. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Usage associated with an entitlement resource. "
}
},
"com.amazonaws.licensemanager#EntitlementUsageList":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#EntitlementUsage"
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumption": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"

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            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}

      }
            },
            "DryRun": {
                "target": "com.amazonaws.licensemanager#Boolean",
                "traits": {
                    "smithy.api#default": false,
                    "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action,
without actually making the request. Provides an error response if you do not have the required permissions.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
```

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    "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
      "type": "structure",
      "members": {
        "LicenseConsumptionToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>License consumption token.</p>"
          }
        },

        "Expiration": {
          "target": "com.amazonaws.licensemanager#ISO8601DateTime",
          "traits": {
            "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#FailedDependencyException": {
      "type": "structure",
      "members": {
        "Message": {
          "target": "com.amazonaws.licensemanager#Message"
        },
        "ErrorCode": {
          "target": "com.amazonaws.licensemanager#String"
        }
      },
      "traits": {
        "aws.protocols#awsQueryError": {
          "code": "FailedDependency",
          "httpResponseCode": 424
        },
        "smithy.api#documentation":
"<p>A dependency required to run the API is missing.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 424
      }
    },
    "com.amazonaws.licensemanager#Filter": {
      "type": "structure",
      "members": {
        "Name": {
          "target": "com.amazonaws.licensemanager#FilterName",
          "traits": {
```

"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used to return more specific results from a\n describe operation. Filters can be used to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FilterLimitExceeded",
"httpResponseCode": 400
},
"smithy.api#documentation": " The request uses too many filters or too many filter values. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Filter"
}
},
"com.amazonaws.licensemanager#FilterName": {
"type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
"type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
"type": "list",

"member": {
"target": "com.amazonaws.licensemanager#FilterValue",
"traits": {
"smithy.api#xmlName": "item"
}
}
},
"com.amazonaws.licensemanager#Filters": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Filter",
"traits": {
"smithy.api#xmlName": "item"
}
}
},
"com.amazonaws.licensemanager#GetAccessToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
tokens\n are valid for one hour. "
}
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {

"type": "structure",
"members": {
"Token": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Refresh token, encoded as a JWT token. ",
"smithy.api#required": {}
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Token properties to validate against those present in the JWT token. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetAccessTokenResponse": {
"type": "structure",
"members": {
"AccessToken": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Temporary access token. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

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        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"

    },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
    "type": "structure",
    "members": {
```

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        "Grant": {
            "target": "com.amazonaws.licensemanager#Grant",
            "traits": {
                "smithy.api#documentation": "<p>Grant details.</p>"
            }
        }
    },
    "traits": {

"smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"

 },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
    "type": "operation",
    "input": {
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"target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license configuration. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
}
},
"traits":
{
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationId": {

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    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
    }
},
"LicenseConfigurationArn": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
    }
},
"Name": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Name of the license configuration.</p>"
     }
},
"Description": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Description of the license configuration.</p>"
    }
},
"LicenseCountingType": {
    "target": "com.amazonaws.licensemanager#LicenseCountingType",
    "traits": {
        "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
    }
},
"LicenseRules": {
    "target": "com.amazonaws.licensemanager#StringList",
    "traits": {
        "smithy.api#documentation": "<p>License rules.</p>"
    }
},
"LicenseCount": {
    "target": "com.amazonaws.licensemanager#BoxLong",

   "traits": {
        "smithy.api#documentation": "<p>Number of available licenses.</p>"
    }
},
"LicenseCountHardLimit": {
    "target": "com.amazonaws.licensemanager#BoxBoolean",
    "traits": {
        "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
    }
},
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"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses assigned to resources. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License configuration status. "
}

},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner of the license configuration. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}

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            },
            "DisassociateWhenNotFound": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>When
true, disassociates a resource when software is uninstalled.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConversionTask": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {

 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
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"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted to. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",

"traits": {
"smithy.api#documentation": " Status of the license type conversion task. "
}
},

"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was started . "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Amount of time to complete the license type conversion. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was completed. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},

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            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

          },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
                    "smithy.api#required":
 {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {
            "ReportGenerator": {
                "target": "com.amazonaws.licensemanager#ReportGenerator",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            }
        },
```

"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseResponse": {
"type": "structure",
"members": {
"License": {
"target": "com.amazonaws.licensemanager#License",
"traits": {
"smithy.api#documentation": " License details. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},

"com.amazonaws.licensemanager#GetLicenseUsage": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"

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        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {

  "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
        }
      },
      "com.amazonaws.licensemanager#GetLicenseUsageRequest": {
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
        "type": "structure",
        "members": {
          "LicenseUsage": {
            "target":
"com.amazonaws.licensemanager#LicenseUsage",
            "traits": {
```

"smithy.api#documentation": " License usage details. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets the License Manager settings for the current Region. "
}
},
"com.amazonaws.licensemanager#GetServiceSettingsRequest": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Regional S3 bucket path for storing reports, license trail event data,

discovery data,\n and so on. "

}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " SNS topic configured to receive notifications from License Manager. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Indicates whether Organizations is integrated with License Manager for\n cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether cross-account discovery is enabled. "
}

},
"LicenseManagerResourceShareArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource share. The License Manager management account \n provides member accounts with access to this share. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Grant": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}
}
},
"ParentArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",
"smithy.api#required": {}
}
},
"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "

```
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>",
                "smithy.api#required": {}
            }
        },
        "GrantedOperations": {
            "target": "com.amazonaws.licensemanager#AllowedOperationList",
            "traits": {
                "smithy.api#documentation": "<p>Granted operations.</p>",
                "smithy.api#required": {}
            }
        },
        "Options": {
            "target": "com.amazonaws.licensemanager#Options",
            "traits": {
                "smithy.api#documentation": "<p>The options specified for the grant.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation":
"<p>Describes a grant.</p>"
    }
},
"com.amazonaws.licensemanager#GrantList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Grant"
    }
},
"com.amazonaws.licensemanager#GrantStatus": {
    "type": "enum",
    "members": {
        "PENDING_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_WORKFLOW"
            }
        },
        "PENDING_ACCEPT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_ACCEPT"
            }
```

```
            },
            "REJECTED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REJECTED"

            }
            },
            "ACTIVE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ACTIVE"
                }
            },
            "FAILED_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED_WORKFLOW"
                }
            },
            "DELETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DELETED"
                }
            },
            "PENDING_DELETE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_DELETE"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits":
{
                    "smithy.api#enumValue": "DISABLED"
                }
            },
            "WORKFLOW_COMPLETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WORKFLOW_COMPLETED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#GrantedLicense": {
```

```
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
          },
          "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>License name.</p>"
            }

    },
          "ProductName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Product name.</p>"
            }
          },
          "ProductSKU": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Product SKU.</p>"
            }
          },
          "Issuer": {
            "target": "com.amazonaws.licensemanager#IssuerDetails",
            "traits": {
              "smithy.api#documentation": "<p>Granted license issuer.</p>"
            }
          },
          "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Home Region of the granted license.</p>"

           }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
              "smithy.api#documentation": "<p>Granted license status.</p>"
            }
          },
          "Validity": {
            "target": "com.amazonaws.licensemanager#DatetimeRange",
```

"traits": {
"smithy.api#documentation": " Date and time range during which the granted license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Granted license beneficiary. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Granted license metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Creation time of the granted license. "

}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Version of the granted license. "
}
},
"ReceivedMetadata": {
"target": "com.amazonaws.licensemanager#ReceivedMetadata",
"traits": {
"smithy.api#documentation": " Granted license received metadata. "
}
}

```
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
        }
    },
    "com.amazonaws.licensemanager#GrantedLicenseList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#GrantedLicense"
        }
    },
    "com.amazonaws.licensemanager#ISO8601DateTime":
{
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-
1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$"
        }
    },
    "com.amazonaws.licensemanager#Integer": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#InvalidParameterValueException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidParameterValueProvided",
                "httpResponseCode": 400
            },
            "smithy.api#documentation":
"<p>One or more parameter values are not valid.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#InvalidResourceStateException": {
        "type": "structure",
        "members": {
            "Message": {
```

"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidResourceState",
"httpResponseCode": 400
},
"smithy.api#documentation": " License Manager cannot allocate a license to a resource because of its state. \n For example, you cannot allocate a license to an instance in the process of shutting\n down. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},

"com.amazonaws.licensemanager#InventoryFilter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the filter. ",
"smithy.api#required": {}
}
},
"Condition": {
"target": "com.amazonaws.licensemanager#InventoryFilterCondition",
"traits": {
"smithy.api#documentation": " Condition of the filter. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Value of the filter. "
}
}

},
"traits": {
"smithy.api#documentation": " An inventory filter. "
}
},
"com.amazonaws.licensemanager#InventoryFilterCondition": {
"type": "enum",
"members": {

"EQUALS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EQUALS"
}
},
"NOT_EQUALS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "NOT_EQUALS"
}
},
"BEGINS_WITH": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "BEGINS_WITH"
}
},
"CONTAINS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CONTAINS"
}
}
}
},
"com.amazonaws.licensemanager#InventoryFilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#InventoryFilter"
}
},
"com.amazonaws.licensemanager#Issuer": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. ",
"smithy.api#required": {}
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage

of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the issuer of a license. "
}
},
"com.amazonaws.licensemanager#IssuerDetails": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. "
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer key fingerprint. "
}
}
},
"traits": {
"smithy.api#documentation": " Details associated with the issuer of a license. "
}
},
"com.amazonaws.licensemanager#License": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " License name. "
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " License issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Home Region of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},

"Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " License metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " License
creation time. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#documentation": " Software license that is managed in License Manager. "
}
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
"type": "structure",
"members": {
"LicenseConfigurationId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Unique ID of the license configuration. "
}
},
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension to use to track the license inventory. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Number of available licenses as a hard limit. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
},
"ConsumedLicenses": {

"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the license configuration. "
}
},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the license configuration's owner. "

}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for licenses consumed by various resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for managed resources. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {

"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
}
},
"traits": {
"smithy.api#documentation": " A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n

Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
"type": "structure",
"members": {
"ResourceArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of server resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Time when the license configuration was associated with the resource. "
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an association with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
"type": "list",

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        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationStatus": {
        "type": "enum",
        "members":
{
            "AVAILABLE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "AVAILABLE"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DISABLED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationUsage": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceStatus": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Status of the resource.</p>"
                }
            },
            "ResourceOwnerId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
```

```
            }
        },
        "AssociationTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Time when the license configuration was initially associated with
the resource.</p>"
            }
        },

    "ConsumedLicenses": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Details about the usage of a resource associated with a license
configuration.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
    }
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#LicenseConfiguration"
    }
},
"com.amazonaws.licensemanager#LicenseConversionContext": {

  "type": "structure",
    "members": {
        "UsageOperation": {
            "target": "com.amazonaws.licensemanager#UsageOperation",
            "traits": {
                "smithy.api#documentation": "<p>The Usage operation value that corresponds to the license type you
are converting your resource from.  For more information about which platforms correspond to which usage
operation values see <a href=\"https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/billing-info-
fields.html#billing-info\">Sample data: usage operation by platform\n      </a>\n         </p>"
            }
        }
    },
```

"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {

"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " The ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource associated with the license type\n conversion task. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted to. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " The status of the conversion task. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},

"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation":
" The time the conversion task was started at. "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the usage operation value of the resource was changed. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was completed. "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
"type": "string",
"traits": {

"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
}
},
"com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
"type": "enum",
"members": {
"IN_PROGRESS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "IN_PROGRESS"
}
},
"SUCCEEDED": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "SUCCEEDED"
}
},
"FAILED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseConversionTasks":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConversionTask"
}
},
"com.amazonaws.licensemanager#LicenseCountingType": {
"type": "enum",
"members": {
"VCPU": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "vCPU"
}
},
"INSTANCE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Instance"
}
},
"CORE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Core"
}
},
"SOCKET": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Socket"
}
}
}
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {

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    "type": "enum",
    "members": {
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#License"
    }
},
"com.amazonaws.licensemanager#LicenseOperationFailure": {

    "type": "structure",
    "members": {
        "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
            }
        },
        "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Resource type.</p>"
            }
        },
        "ErrorMessage": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Error message.</p>"
            }
        },
        "FailureTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
```

"smithy.api#documentation": " Failure time. "
}
},
"OperationName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the operation. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource. "
}
},
"OperationRequestedBy": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The requester is \"License Manager Automated Discovery\". "
}
},
"MetadataList": {

"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Reserved. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the failure of a license operation. "
}
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailure"
}
},
"com.amazonaws.licensemanager#LicenseSpecification": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Details for associating a license configuration with a resource. "
}
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseSpecification"
}
},
"com.amazonaws.licensemanager#LicenseStatus": {
"type": "enum",
"members": {
"AVAILABLE": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"PENDING_AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_AVAILABLE"
}
},
"DEACTIVATED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DEACTIVATED"
}
},
"SUSPENDED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SUSPENDED"

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            }
        },
        "EXPIRED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EXPIRED"
            }
        },

    "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseUsage": {
    "type": "structure",
    "members": {
        "EntitlementUsages": {
            "target": "com.amazonaws.licensemanager#EntitlementUsageList",
            "traits": {
                "smithy.api#documentation": "<p>License entitlement usages.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"

    }
},
"com.amazonaws.licensemanager#LicenseUsageException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "LicenseUsageFailure",
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"httpResponseCode": 412
},
"smithy.api#documentation": " You do not have enough licenses available to support a new resource launch. ",
"smithy.api#error": "client",
"smithy.api#httpError": 412
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the resource associations for the specified license configuration. \n Resource associations need not consume licenses from a license configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n the license rules). "
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results
to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationAssociations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license
configuration. "
}
},
"NextToken": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
"type": "operation",

"input": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants distributed for the specified license. "
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
"type": "structure",
"members": {
"GrantArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>LicenseArn</code>\n \n

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</li>\n <li>\n <p>\n <code>GrantStatus</code>\n </p>\n </li>\n
<li>\n <p>\n <code>GranteePrincipalARN</code>\n </p>\n </li>\n
<li>\n <p>\n <code>ProductSKU</code>\n </p>\n </li>\n <li>\n
<p>\n <code>LicenseIssuerName</code>\n
</p>\n </li>\n </ul>"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": "<p>Token for the next set of results.</p>"
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",

"traits": {
"smithy.api#documentation": "<p>Distributed grant details.</p>"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": "<p>Token for the next set of results.</p>"
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
"type": "operation",
"input": {
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"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license configuration operations that failed. "
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name of the license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}

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            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
        "type": "structure",
        "members": {
            "LicenseOperationFailureList": {
                "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
                "traits": {
                    "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
        },

    "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
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            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configurations
 for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArns": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next
 set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n                Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n            Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n
<p>\n                <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n            Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>.</p>\n
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</li>\n <li>\n <p>\n <code>usagelimitExceeded</code> - A Boolean value that indicates whether the available licenses have been exceeded. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n </li>\n </ul>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
        "type": "structure",
        "members": {
          "LicenseConfigurations": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurations",
            "traits": {
              "smithy.api#documentation": "<p>Information about the license configurations.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",

         "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseConversionTasks": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
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            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
        "type": "structure",
        "members": {
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {

    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>\n        Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n      </p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
        "type": "structure",
        "members": {
            "LicenseConversionTasks": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTasks",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configuration tasks for your
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account. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}

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        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseConfigurationArn</code>\n
</p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits":
{
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
        "type": "structure",
        "members": {
            "ReportGenerators": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorList",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

"smithy.api#documentation": " Token for the next set of results. "
}

}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Describes the license configurations for the specified resource. "
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a resource that has an associated license configuration. ",
"smithy.api#required": {}
}

```
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {

    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
    "type": "structure",
    "members": {
        "LicenseSpecifications": {
            "target": "com.amazonaws.licensemanager#LicenseSpecifications",
            "traits": {
                "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
            }
        },
        "NextToken": {
             "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
```

```
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                "smithy.api#required": {}
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
```

```
        "type": "structure",
        "members": {
          "Licenses": {
            "target": "com.amazonaws.licensemanager#LicenseList",
            "traits": {
              "smithy.api#documentation": "<p>License details.</p>"
            }
          },

"NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenses": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListLicensesRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListLicensesResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
           },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
```

```
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicensesRequest": {
        "type": "structure",
        "members": {
            "LicenseArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
                }
            },

     "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n              <p>\n                <code>Beneficiary</code>\n              </p>\n
      </li>\n           <li>\n              <p>\n                <code>ProductSKU</code>\n              </p>\n           </li>\n
   <li>\n              <p>\n                <code>Fingerprint</code>\n              </p>\n           </li>\n           <li>\n
<p>\n                <code>Status</code>\n              </p>\n           </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token
 for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicensesResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#LicenseList",
                "traits": {
```

"smithy.api#documentation": " License details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while

specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target":
"com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the received license. ",
"smithy.api#required": {}

```
            }
          },
          "Filters": {
            "target": "com.amazonaws.licensemanager#FilterList",
            "traits": {
              "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
    <ul>\n        <li>\n        <p>\n        <code>ParentArn</code>\n        </p>\n        </li>\n
<li>\n        <p>\n        <code>GranteePrincipalArn</code>\n        </p>\n        </li>\n        </ul>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
 {
        "type": "structure",
        "members": {
          "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
            "traits": {
              "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
```

```
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
      "type": "structure",
      "members": {
        "GrantArns": {
          "target": "com.amazonaws.licensemanager#ArnList",
           "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
          }
        },
        "Filters": {
          "target": "com.amazonaws.licensemanager#FilterList",
          "traits": {
            "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n          <li>\n            <p>\n              <code>ProductSKU</code>\n            </p>\n
      </li>\n          <li>\n            <p>\n              <code>LicenseIssuerName</code>\n            </p>\n
</li>\n          <li>\n            <p>\n              <code>LicenseArn</code>\n            </p>\n          </li>\n
<li>\n            <p>\n              <code>GrantStatus</code>\n            </p>\n          </li>\n          <li>\n
<p>\n
      <code>GranterAccountId</code>\n            </p>\n          </li>\n        </ul>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        },
        "MaxResults": {
          "target": "com.amazonaws.licensemanager#MaxSize100",
          "traits": {
            "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
      "type": "structure",
      "members": {
        "Grants": {
          "target": "com.amazonaws.licensemanager#GrantList",
           "traits": {
            "smithy.api#documentation": "<p>Received grant details.</p>"
          }
        },
```

```
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
         },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists received licenses.</p>"
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
```

```
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {

    "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>Beneficiary</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n
            </p>\n            </li>\n        </ul>"
                }
            },
```

```
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
    "type": "structure",
    "members": {
        "Licenses": {
            "target": "com.amazonaws.licensemanager#GrantedLicenseList",
             "traits": {
                "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
    "type": "structure",
    "members": {
        "LicenseArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
            }
        },
```

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>IssuerName</code>\n \n \n \n \n <code>Beneficiary</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#GrantedLicenseList",
"traits": {
"smithy.api#documentation": " Received license details. "
}
},

"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}

```
},
"com.amazonaws.licensemanager#ListResourceInventory": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FailedDependencyException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
    }
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
    "type": "structure",
    "members": {
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#InventoryFilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>account_id</code> - The ID of the Amazon Web Services account that owns the resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n
\n \n \n <code>application_name</code> - The name of the application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n
\n \n \n <code>license_included</code> - The type of license included. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
\n <code>platform</code> - The platform of the resource.\n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n \n \n \n
<code>resource_id</code> - The ID of the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n
<code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account). \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
"type": "structure",
"members": {
"ResourceInventoryList": {
"target": "com.amazonaws.licensemanager#ResourceInventoryList",
"traits": {
"smithy.api#documentation": " Information about the resources. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the tags for the specified license configuration. "
}
},
"com.amazonaws.licensemanager#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

```
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
        "errors":
[
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists your tokens.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTokensRequest": {
        "type": "structure",
        "members": {
```

"TokenIds": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " Token IDs. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filter is supported: \n
\n \n \n <code>LicenseArns</code>\n \n \n
"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation":
" Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListTokensResponse": {
"type": "structure",
"members": {
"Tokens": {
"target": "com.amazonaws.licensemanager#TokenList",
"traits": {
"smithy.api#documentation": " Received token details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}

```
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
             {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license\n        consumption details by resource at a selected point in time. Use this action to audit the\n        current
license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
```

"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
"type": "structure",
"members": {

"LicenseConfigurationUsageList": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

```
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#Location": {
    "type": "string"
},
"com.amazonaws.licensemanager#Long": {
    "type": "long"
},
"com.amazonaws.licensemanager#ManagedResourceSummary": {
    "type": "structure",
    "members": {
        "ResourceType":
{
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
            }
        },
        "AssociationCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
    }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
    }
},
"com.amazonaws.licensemanager#MaxSize100": {

"type": "integer",
    "traits": {
        "smithy.api#range": {
            "min": 1,
            "max": 100
```

```
        }
    }
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The key name.</p>"
            }
        },

"Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The value.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes key/value pairs.</p>"
    }
},
"com.amazonaws.licensemanager#MetadataList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Metadata"
    }
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
    "type": "structure",
    "members": {
```

"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n \n \n As a grantor, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your organization. \n \n \n As a grantee, if the grantor creating the distributed grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n are activating the grant. \n \n \n <dl>\n <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n Use this value to activate a grant without replacing any member accounts\n active grants for the same product. \n </dd>\n <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n Use this value to activate a grant and disable other active grants in any\n member accounts
for the same product. This action will also replace their\n previously activated grants with this activated grant. \n </dd>\n </dl>"
}
}
},
"traits": {
"smithy.api#documentation": " The options you can specify when you create a new version of a grant, such as activation\n override behavior. For more information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#OrganizationConfiguration": {
"type": "structure",
"members": {
"EnableIntegration": {
"target": "com.amazonaws.licensemanager#Boolean",

"traits": {
"smithy.api#default": false,
"smithy.api#documentation":
" Enables Organizations integration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Configuration information for Organizations. "
}
},
"com.amazonaws.licensemanager#PrincipalArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 1
}
}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Resource type. The
possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a
<code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values
for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for
<code>ProductInformationFilterComparator</code>. \n The following filters and are supported when
the resource type \n is <code>SSM_MANAGED</code>: \n
\n \n \n <code>Application Name</code> - The name of the
application.\n Logical operator is <code>EQUALS</code>. \n \n \n
\n <code>Application Publisher</code> - The publisher of the application.\n Logical

operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n
\n \n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n \n \n \n \n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n \n \n <code>License Included</code> - The type of license included.\n Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are: <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n The following filters and logical operators are supported when the resource type\n is <code>RDS</code>: \n \n \n \n <code>Engine Edition</code> - The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>. \n \n \n \n <code>License Pack</code> - The license pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n <code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n
\n ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information for a license configuration. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
"type": "structure",
"members": {
"ProductInformationFilterName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Filter name. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterValue": {
"target": "com.amazonaws.licensemanager#StringList",

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        "traits": {
            "smithy.api#documentation": "<p>Filter value.</p>"
        }
      },
      "ProductInformationFilterComparator": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Logical operator.</p>",
            "smithy.api#required": {}
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Describes product information filters.</p>"
    }
  },
  "com.amazonaws.licensemanager#ProductInformationFilterList": {
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#ProductInformationFilter"
    }
  },
  "com.amazonaws.licensemanager#ProductInformationList": {
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#ProductInformation"
     }
  },
  "com.amazonaws.licensemanager#ProvisionalConfiguration": {
    "type": "structure",
    "members": {
      "MaxTimeToLiveInMinutes": {
        "target": "com.amazonaws.licensemanager#BoxInteger",
        "traits": {
            "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
            "smithy.api#required": {}
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
    }
  },
  "com.amazonaws.licensemanager#RateLimitExceededException": {
    "type": "structure",
    "members": {
      "Message": {
        "target": "com.amazonaws.licensemanager#Message"
```

```
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "RateLimitExceeded",
                "httpResponseCode": 429
            },
            "smithy.api#documentation": "<p>Too many requests have been submitted. Try again after a brief
wait.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 429
        }
    },
    "com.amazonaws.licensemanager#ReceivedMetadata": {
        "type": "structure",
        "members": {
            "ReceivedStatus": {
                "target": "com.amazonaws.licensemanager#ReceivedStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Received status.</p>"
                }
            },
            "ReceivedStatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>Received
status reason.</p>"
                }
            },
            "AllowedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed operations.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
        }
    },
    "com.amazonaws.licensemanager#ReceivedStatus": {
        "type": "enum",
        "members": {
            "PENDING_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_WORKFLOW"
                }
```

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            },
            "PENDING_ACCEPT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue":
"PENDING_ACCEPT"
                }
            },
            "REJECTED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REJECTED"
                }
            },
            "ACTIVE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ACTIVE"
                }
            },
            "FAILED_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED_WORKFLOW"
                }
            },
            "DELETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DELETED"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                 "traits": {
                    "smithy.api#enumValue": "DISABLED"
                }
            },
            "WORKFLOW_COMPLETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WORKFLOW_COMPLETED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#RedirectException": {
        "type": "structure",
```

```
        "members": {
          "Location": {
            "target": "com.amazonaws.licensemanager#Location",
            "traits": {
              "smithy.api#httpHeader": "Location"
            }
          },
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
           "smithy.api#error": "client",
          "smithy.api#httpError": 308
        }
      },
      "com.amazonaws.licensemanager#RejectGrant": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#RejectGrantRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#RejectGrantResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#RejectGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}

}
    },
    "com.amazonaws.licensemanager#RejectGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#RenewType":
```

```
{
        "type": "enum",
        "members": {
          "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "None"
            }
          },
          "WEEKLY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Weekly"
            }
          },
          "MONTHLY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Monthly"
            }
          }
        }
      },
      "com.amazonaws.licensemanager#ReportContext": {
        "type": "structure",
        "members": {
          "licenseConfigurationArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
            "traits": {

        "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration that this
generator reports on.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Details of the license configuration that this generator reports on.</p>"
        }
      },
      "com.amazonaws.licensemanager#ReportFrequency": {
        "type": "structure",
        "members": {
          "value": {
            "target": "com.amazonaws.licensemanager#Integer",
            "traits": {
              "smithy.api#documentation": "<p>Number of times within the frequency period that a report is
generated.  \n        The only supported value is <code>1</code>.</p>"
```

```
                }
            },
            "period": {
                "target": "com.amazonaws.licensemanager#ReportFrequencyType",

               "traits": {
                    "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
or monthly.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
        }
    },
    "com.amazonaws.licensemanager#ReportFrequencyType": {
        "type": "enum",
        "members": {
            "DAY": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DAY"
                }
            },
            "WEEK": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WEEK"
                }
            },
            "MONTH": {
                "target": "smithy.api#Unit",
                "traits":
 {
                    "smithy.api#enumValue": "MONTH"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#ReportGenerator": {
        "type": "structure",
        "members": {
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>"
                }
            },
```

"ReportType": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports that are generated. "
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " License
configuration type for this generator. "
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. "
}
},
"LastRunStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the last report generation attempt. "
}
},
"LastRunFailureReason":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Failure message for the last report generation attempt. "
}
},
"LastReportGenerationTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the last report was generated at. "
}
},
"ReportCreatorAccount": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Web Services account ID used to create the report

generator. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"S3Location": {
"target": "com.amazonaws.licensemanager#S3Location",
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the report was created. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags associated with the report generator. "
}

}
},
"traits": {
"smithy.api#documentation": " Describe the details of a report generator. "
}
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ReportGenerator"
}
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}

```
        }
    },
    "com.amazonaws.licensemanager#ReportType": {
        "type": "enum",
        "members": {
            "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
                }

    },
            "LICENSE_CONFIGURATION_USAGE_REPORT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "LicenseConfigurationUsageReport"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#ReportTypeList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ReportType"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventory": {
        "type": "structure",
        "members": {
            "ResourceId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
```

```
            "Platform": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform of the resource.</p>"
                }
            },
            "PlatformVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
                }
            },
            "ResourceOwningAccountId":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventoryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ResourceInventory"
        }
    },
    "com.amazonaws.licensemanager#ResourceLimitExceededException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "ResourceLimitExceeded",

             "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
```

```
"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
     "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_INSTANCE"
            }
        },
        "EC2_HOST": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_HOST"
            }
        },
        "EC2_AMI": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_AMI"
            }
        },
        "RDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "RDS"
            }
        },
        "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
```

"smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
}
}
}
},
"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"com.amazonaws.licensemanager#ServerInternalException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InternalError",
"httpResponseCode": 500
},
"smithy.api#documentation": " The server experienced an internal error. Try again. ",
"smithy.api#error": "server",
"smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanager#SignedToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 4096

```
            }
        }
    },
    "com.amazonaws.licensemanager#StatusReasonMessage": {
        "type": "string",
        "traits":
{
            "smithy.api#length": {
                "min": 0,
                "max": 400
            },
            "smithy.api#pattern": "^[\\s\\S]+$"
        }
    },
    "com.amazonaws.licensemanager#String": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#StringList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#Tag": {
        "type": "structure",
        "members": {
            "Key": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Tag key.</p>"
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Tag value.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagKeyList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
```

```
        }
    },
    "com.amazonaws.licensemanager#TagList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Tag"
        }
    },
    "com.amazonaws.licensemanager#TagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#TagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#TagResourceResponse"
        },
        "errors": [
            {
                "target":
"com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
{
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
```

```
            }
          },
          "Tags": {
            "target": "com.amazonaws.licensemanager#TagList",
            "traits": {
              "smithy.api#documentation": "<p>One or more tags.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
        "members": {
          "TokenId": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
              "smithy.api#documentation": "<p>Token ID.</p>"
            }
          },
          "TokenType": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
            }
          },
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
          },
          "ExpirationTime": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC
```

format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#TokenData"
}
},
"com.amazonaws.licensemanager#TokenString": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 4096
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#TokenType": {
"type": "enum",
"members": {

"REFRESH_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REFRESH_TOKEN"
}
}
}
},
"com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The digital signature method is unsupported. Try your request
again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#UntagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],

"traits": {
"smithy.api#documentation": " Removes the specified tags from the specified license configuration. "
}
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanager#TagKeyList",
"traits": {
"smithy.api#documentation": " Keys identifying the tags to remove. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

```
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseConfigurationStatus": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
                "traits": {
                    "smithy.api#documentation": "<p>New status of the license configuration.</p>"
                }
            },
            "LicenseRules": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {

    "smithy.api#documentation": "<p>New license rule. The only rule that you can add after you create a license\n
    configuration is licenseAffinityToHost.</p>"
                }
            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
```

"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}

```
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to
```

update. ",
"smithy.api#required": {}
}
},
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation":
" Type of reports to generate. The following report types are supported: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " The report context. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

```
                "smithy.api#documentation": "<p>Description of the report generator.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },

        {
            "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
        },
        {
            "target": "com.amazonaws.licensemanager#LicenseUsageException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
```

"traits": {
"smithy.api#documentation": " Adds or removes the specified license configurations for the specified Amazon Web Services resource. \n You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource. "
}
},

"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon Web Services resource. ",
"smithy.api#required": {}
}
},
"AddLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to add. "
}
},
"RemoveLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to remove. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"

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        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
             },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
        "type": "structure",
        "members": {
            "S3BucketArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
 Manager information is stored.</p>"
                }
            },
            "SnsTopicArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts.</p>"
                }
            },
            "OrganizationConfiguration": {
                "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account discovery.</p>"
```

```
                }
            },
            "EnableCrossAccountsDiscovery": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"

        }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UsageOperation": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            }
        }
    },
    "com.amazonaws.licensemanager#ValidationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

    "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    }
  }
}
```

1.7371 aws-sdk-go-v2-service-ssooidc 1.28.5

1.7371.1 Available under license :

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
```

```
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
 LicenseConsumptionToken *string
```

```
 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
```

```
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack,
 c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
```

```
 return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err !=
 nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
```

```
      uses: actions/checkout@v2
      with:
        path: new-ref
        fetch-depth: 0
    - name: Get Diff
      run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
    - name: Get Target Files
      run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
    - name: Checkout scancode
      uses: actions/checkout@v2
      with:
        repository: nexB/scancode-toolkit
        path: scancode-toolkit
        fetch-depth: 1
    - name: Set up Python ${{ matrix.python-version }}
       uses: actions/setup-python@v2
      with:
        python-version: ${{ matrix.python-version }}
    # ScanCode
    - name: Self-configure scancode
      working-directory: ./scancode-toolkit
      run: ./scancode --help
    - name: Run Scan code on target
      run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
    - name: Run Scan code on pr ref
      run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
```

```
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
```

```
 return err
}
err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
```

```
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if
err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err
!= nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
```

```
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
{
  "smithy": "2.0",
  "shapes": {
    "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
      "type": "structure",
      "members": {
        "message": {
          "target": "smithy.api#String"
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
        "smithy.api#error": "client"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
      "type": "structure",
      "members": {
        "DirectoryId": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#Directory",
          "traits": {
            "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
          }
        },
        "ActiveDirectorySettings":
 {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings",
          "traits": {
            "smithy.api#documentation": "<p>The <code>ActiveDirectorySettings</code> resource contains
details about \n\t\t\tthe Active Directory, including network access details such as domain name and IP
\n\t\t\taddresses, and the credential provider for user administration.</p>"
          }
        },
        "ActiveDirectoryType": {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType",
"traits": {
"smithy.api#documentation": " The type of Active Directory either a self-managed Active Directory or an \n\t\t\tAmazon Web Services Managed Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about an Active Directory identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings": {
"type": "structure",
"members": {
"DomainName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name for the Active Directory. "
}
},
"DomainIpv4List": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IpV4List",
"traits": {
"smithy.api#documentation": " A list of domain IPv4 addresses that are used for the Active Directory. ",
"smithy.api#length": {
"min": 1,
"max": 2
}
}
},
"DomainCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
"traits": {
"smithy.api#documentation": " Points to the <code>CredentialsProvider</code> resource that contains \n\t\t\tinformation about the credential provider for user administration. "
}
},
"DomainNetworkSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings",
"traits": {
"smithy.api#documentation": " The <code>DomainNetworkSettings</code> resource contains an array of \n\t\t\tsubnets that apply for the Active Directory. "
}
}
},

"traits": {
"smithy.api#documentation": " Contains network access and credential details that are needed for \n\t\t\tuser administration in the Active Directory. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "SELF_MANAGED",
"value": "SELF_MANAGED",
"documentation": "SELF_MANAGED type of Active Directory"
},
{
"name": "AWS_MANAGED",
"value": "AWS_MANAGED",
"documentation": "AWS_MANAGED type of Active Directory"
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#Arn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-zA-Z0-9-\\.]{1,510}/[a-zA-Z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Associates the user to an EC2 instance to utilize user-based
subscriptions.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related
costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing
status) in Amazon Web Services Billing. For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n\t\t\t\tmonthly
charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
            "smithy.api#http":
 {
                "code": 200,
                "method": "POST",
                "uri": "/user/AssociateUser"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance that provides the user-based
subscription.</p>",
                    "smithy.api#required": {}
                }
            },
```

"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The identity provider for the user. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains information for the user to associate. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply for the user association. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
"type": "structure",
"members": {
"message": {

"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request couldn't be completed because it conflicted with the current state of the\n\t\t\tresource. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},

{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a network endpoint for the Remote Desktop Services (RDS) license server. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/CreateLicenseServerEndpoint"

```
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest": {
        "type": "structure",
        "members": {
            "IdentityProviderArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the
<code>IdentityProvider</code> resource that contains details \n\t\t\tabout a registered identity provider. In the case
of Active Directory, that can be \n\t\t\ta self-managed Active Directory or an Amazon Web Services Managed
Active Directory that contains user identity details.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseServerSettings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings",
                "traits": {
                    "smithy.api#documentation": "<p>The <code>LicenseServerSettings</code> resource to create for
the endpoint. The \n\t\t\tsettings include the type of license server and the Secrets Manager secret that \n\t\t\tenables
administrators to add or remove users associated with the \n\t\t\tlicense server.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The tags that apply for the license server endpoint.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse":
{
        "type": "structure",
        "members": {
            "IdentityProviderArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider
specified in the request.</p>"
                }
            },
```

"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The ARN of the <code>LicenseServerEndpoint</code> resource. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider": {
"type": "union",
"members": {
"SecretsManagerCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider",
"traits": {
"smithy.api#documentation": " Identifies the Secrets Manager secret that contains credentials needed for \n\t\t\tuser administration in the Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains information about the credential provider for user \n\t\t\tadministration. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

}
],
"traits": {
"smithy.api#documentation": " Deletes a <code>LicenseServerEndpoint</code> resource. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/DeleteLicenseServerEndpoint"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest": {
"type": "structure",
"members": {
"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the
<code>LicenseServerEndpoint</code> \n\t\t\tresource to delete. ",
"smithy.api#required": {}
}
},
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of License Server that the delete request refers to. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse": {
"type": "structure",

"members": {
"LicenseServerEndpoint": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint",
"traits": {
"smithy.api#documentation": " Shows details from the <code>LicenseServerEndpoint</code> resource that was deleted. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deregisters the Active Directory identity provider from License Manager user-based subscriptions. ",
"smithy.api#http": {

"code": 200,
"method": "POST",
"uri": "/identity-provider/DeregisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest":
{
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the Active Directory identity provider. "
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n "
}
},
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",

"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the identity provider to deregister. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#Directory":
{
"type": "string",
"traits": {
"smithy.api#pattern": "^(d|sd)-[0-9a-f]{10}$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based

subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/DisassociateUser"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest":
{
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the Active Directory identity provider for the
user. "
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance which provides user-based
subscriptions. "
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the Active Directory identity
provider. "

}
},
"InstanceUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the user to disassociate
from the EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains
information for the user to disassociate. "
}

```
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
        "type": "structure",
        "members": {
            "InstanceUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
                 "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings": {
        "type": "structure",
        "members": {
            "Subnets": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
                "traits": {
                    "smithy.api#documentation": "<p>Contains a list of subnets that apply for the Active Directory
domain.</p>",
                    "smithy.api#length": {
                        "min": 1
                    },
                    "smithy.api#required": {}

        }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Contains network settings for the Active Directory domain.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Filter": {
        "type": "structure",
        "members": {
            "Attribute": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of an attribute to use as a filter.</p>"
```

```
            }
        },
        "Operation": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The type of search (For example, eq, geq, leq)</p>"
            }
        },
        "Value": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation":
 "<p>Value of the filter.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>A filter name and value pair that is used to return more specific results
from a describe\n\t\t\tor list operation. You can use filters can be used to match a set of resources by specific
\n\t\t\tcriteria, such as tags, attributes, or IDs.</p>"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#FilterList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
    "type": "union",
    "members": {
        "ActiveDirectoryIdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
            "traits": {

                "smithy.api#documentation": "<p>The <code>ActiveDirectoryIdentityProvider</code> resource
contains settings \n\t\t\tand other details about a specific Active Directory identity provider.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Refers to an identity provider.</p>"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
    "type": "structure",
    "members": {
        "IdentityProvider": {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The <code>IdentityProvider</code> resource contains information about \n\t\t\tan identity provider. ",
"smithy.api#required": {}
}
},
"Settings": {

"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The <code>Settings</code> resource contains details about the registered \n\t\t\tidentity providers product related configuration settings, such as the \n\t\t\tsubnets to provision VPC endpoints. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the identity provider. ",

"smithy.api#required": {}
}
},
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider. "
}
},
"FailureMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The failure message associated with an identity provider. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an identity provider. "
}

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
      "type": "structure",
      "members": {
        "InstanceId": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
            "smithy.api#required": {}
          }
        },
        "Status": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The status of an EC2 instance resource.</p>",
            "smithy.api#required": {}
          }
        },
        "Products": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
          "traits":
{
            "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
            "smithy.api#required": {}
          }
        },
        "LastStatusCheckDate": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The date of the last status check.</p>"
          }
        },
        "StatusMessage": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
```

```
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {

  "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance that provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {

      "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>The <code>IdentityProvider</code> resource specifies details
\n\t\t\tabout the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of a user associated with an EC2 instance.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceUserArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the instance
user.</p>"
```

```
            }

  },
            "StatusMessage": {
              "target": "smithy.api#String",
              "traits": {
                "smithy.api#documentation": "<p>The status message for users of an EC2 instance.</p>"
              }
            },
            "Domain": {
              "target": "smithy.api#String",
              "traits": {
                "smithy.api#documentation": "<p>The domain name of the  Active Directory that contains the user
information for the product subscription.</p>"
              }
            },
            "AssociationDate": {
              "target": "smithy.api#String",
              "traits": {
                "smithy.api#documentation": "<p>The date a user was associated with an EC2 instance.</p>"
              }
            },
            "DisassociationDate": {
              "target": "smithy.api#String",
              "traits": {

            "smithy.api#documentation": "<p>The date a user was disassociated from an EC2 instance.</p>"
              }
            }
          },
          "traits": {
            "smithy.api#documentation": "<p>Describes users of an EC2 instance providing user-based
subscriptions.</p>"
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
          "type": "list",
          "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
          "type": "structure",
          "members": {
            "message": {
              "target": "smithy.api#String"
            }
          },
```

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    "traits": {
        "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
        "smithy.api#error": "server",
         "smithy.api#httpError": 500
    }
},
"com.amazonaws.licensemanagerusersubscriptions#IpV4": {
    "type": "string",
    "traits": {
        "smithy.api#pattern": "^(?:(25[0-5]|2[0-4][0-9]|1[0-9][0-9]|[1-9][0-9]|[0-9])(\\.(?!$)|$)){4}$"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#IpV4List": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#IpV4"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
    "type": "service",
    "version": "2018-05-10",
    "operations": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint"

    },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints"
        },
        {
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        "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
    },
    {

      "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#TagResource"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResource"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
     }
],
"traits": {
    "aws.api#service": {
        "sdkId": "License Manager User Subscriptions",
        "arnNamespace": "license-manager-user-subscriptions",
        "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
    },
    "aws.auth#sigv4": {
        "name": "license-manager-user-subscriptions"
    },
    "aws.protocols#restJson1": {},
    "smithy.api#cors": {
        "additionalAllowedHeaders": [
            "*",
            "content-type",
            "x-amz-content-sha256",
            "x-amz-user-agent",
            "x-amzn-platform-id",
            "x-amzn-trace-id",
            "content-length",
            "x-api-key",
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"authorization",
"x-amz-date",
"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n\t\ta per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn":
"AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured
endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",

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            "type": "String"
        }
    },
    "rules": [
        {
            "conditions": [
                {
                    "fn": "isSet",
                    "argv": [
                        {
                            "ref": "Endpoint"
                        }
                    ]
                }
            ],

    "rules": [
                {
                    "conditions": [
                        {
                            "fn": "booleanEquals",
                            "argv": [
                                {
                                    "ref": "UseFIPS"
                                },
                                true
                            ]
                        }
                    ],
                    "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                    "type": "error"
                },
                {
                    "conditions": [
                        {

"fn": "booleanEquals",
                            "argv": [
                                {
                                    "ref": "UseDualStack"
                                },
                                true
                            ]
                        }
                    ],
                    "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                    "type": "error"
                },
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                {
                  "conditions": [],
                  "endpoint": {
                    "url": {
                      "ref": "Endpoint"
                    },
                    "properties": {},

                "headers": {}
                  },
                  "type": "endpoint"
                }
              ],
              "type": "tree"
            },
            {
              "conditions": [
                {
                  "fn": "isSet",
                  "argv": [
                    {
                      "ref": "Region"
                    }
                  ]
                }
              ],
              "rules": [
                {
                  "conditions": [
                    {
                      "fn": "aws.partition",
                      "argv":
[
                        {
                          "ref": "Region"
                        }
                      ],
                      "assign": "PartitionResult"
                    }
                  ],
                  "rules": [
                    {
                      "conditions": [
                        {
                          "fn": "booleanEquals",
                          "argv": [
                            {
                              "ref": "UseFIPS"
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                    },
                    true

            ]
                },
                {
                    "fn": "booleanEquals",
                    "argv": [
                        {
                            "ref": "UseDualStack"
                        },
                        true
                    ]
                }
            ],
            "rules": [
                {
                    "conditions": [
                        {
                            "fn": "booleanEquals",

            "argv": [
                        true,
                        {
                            "fn": "getAttr",
                            "argv": [
                                {
                                    "ref": "PartitionResult"
                                },
                                "supportsFIPS"
                            ]
                        }
                    ]
                    },

{
                    "fn": "booleanEquals",
                    "argv": [
                        true,
                        {
                            "fn": "getAttr",
                            "argv": [
                                {
                                    "ref": "PartitionResult"
                                },
                                "supportsDualStack"
                            ]
                        }
```

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                    ]

                }
            ],
            "rules": [
                {
                    "conditions": [],
                    "endpoint": {
                        "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                        "properties": {},
                        "headers": {}
                    },
                    "type": "endpoint"
                }
            ],

        "type": "tree"
                },
                {
                    "conditions": [],
                    "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
                    "type": "error"
                }
            ],
            "type": "tree"
        },
        {
            "conditions": [
                {
                    "fn": "booleanEquals",
                    "argv": [
                        {

      "ref": "UseFIPS"
                        },
                        true
                    ]
                }
            ],
            "rules": [
                {
                    "conditions": [
                        {
                            "fn": "booleanEquals",
                            "argv": [
                                {
```

"fn": "getAttr",
"argv": [
{

"ref": "PartitionResult"
},
"supportsFIPS"
]
},
true
]
}
],
"rules": [
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
],
"type": "tree"
},
{
"conditions": [],
"error": "FIPS is enabled but this partition does not support FIPS",
"type": "error"
}

],
"type": "tree"
},
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseDualStack"
},
true
]
}
],

```
                "rules": [
                  {
                    "conditions": [

                 {
                        "fn": "booleanEquals",
                        "argv": [
                          true,
                          {
                            "fn": "getAttr",
                            "argv": [
                              {
                                "ref": "PartitionResult"
                              },
                              "supportsDualStack"
                            ]
                          }

            ]
                      }
                    ],
                    "rules": [
                      {
                        "conditions": [],
                        "endpoint": {
                          "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                          "properties": {},
                          "headers": {}
                        },
                        "type": "endpoint"
                      }
                    ],
                     "type": "tree"
                  },
                  {
                    "conditions": [],
                    "error": "DualStack is enabled but this partition does not support DualStack",
                    "type": "error"
                  }
                ],
                "type": "tree"
              },
              {
                "conditions": [],
                "endpoint": {
                  "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
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"properties": {},
"headers": {}
},
"type": "endpoint"
}
],
"type": "tree"
}
],
"type": "tree"
},
{
"conditions": [],
"error": "Invalid Configuration: Missing Region",
"type": "error"
}
]
},
"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint":
{
"url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,

"UseDualStack": false
}
},

{
"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {

"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack":
true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}

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            },
            "params": {
              "Region": "cn-north-1",
              "UseFIPS": true,
              "UseDualStack": false
            }
          },
          {
            "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
            "expect": {
              "endpoint": {
                "url":
"https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
              }
            },
            "params": {
              "Region": "cn-north-1",
              "UseFIPS": false,
              "UseDualStack": true
            }
          },
          {
            "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
              }
            },
            "params": {
              "Region": "cn-north-1",
              "UseFIPS": false,
              "UseDualStack":
false
            }
          },
          {
            "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
              }
            },
            "params": {
              "Region": "us-gov-east-1",
              "UseFIPS": true,
              "UseDualStack": true
            }
          },
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{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url":
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}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack":
true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition
does not support one or both"
},
"params": {

"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},

{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},

"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"

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            "params": {
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              "UseFIPS": true,
              "UseDualStack": true
            }
          },
          {
            "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",

"expect": {
              "endpoint": {
                "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
              }
            },
            "params": {
              "Region": "us-isob-east-1",
              "UseFIPS": true,
              "UseDualStack": false
            }
          },
          {
            "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
              "error": "DualStack is enabled but this partition does not support DualStack"
            },
            "params": {
              "Region": "us-isob-east-1",
              "UseFIPS": false,

      "UseDualStack": true
            }
          },
          {
            "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
              }
            },
            "params": {
              "Region": "us-isob-east-1",
              "UseFIPS": false,
              "UseDualStack": false
            }
          },
          {
            "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
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"expect": {
"endpoint": {

"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",

"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServer": {
"type": "structure",
"members": {
"ProvisioningStatus": {
"target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
"traits": {
"smithy.api#documentation": " The current state of the provisioning process for the RDS
\n\t\t\tlicense server. "
}
},
"HealthStatus": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus",
"traits": {
"smithy.api#documentation": " The health status of the RDS license server. "
}
},
"Ipv4Address": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A list of domain IPv4 addresses that are used for the RDS
\n\t\t\tlicense server. "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a Remote Desktop Services (RDS) license
server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint": {
"type": "structure",

"members": {
"IdentityProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider that's associated with \n\t\t\tthe RDS license server endpoint. "
}
},
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of license server. "
}
},
"ServerEndpoint": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint",
"traits": {
"smithy.api#documentation": " The <code>ServerEndpoint</code> resource contains the network \n\t\t\taddress of the RDS license server endpoint. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The message associated with the provisioning status, if there is one. "
}
},
"LicenseServerEndpointId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId",
"traits": {
"smithy.api#documentation": " The ID of the license server endpoint. "
}
},
"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The ARN of the <code>ServerEndpoint</code> resource for the RDS \n\t\t\tlicense server. "
}
},
"LicenseServerEndpointProvisioningStatus": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
"traits": {
"smithy.api#documentation": " The current state of the provisioning process for the RDS license \n\t\t\tserver endpoint "

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            }
        },
        "LicenseServers": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerList",
            "traits": {
                "smithy.api#documentation": "<p>An array of <code>LicenseServer</code> resources that represent
the \n\t\t\tlicense servers that are accessed through this endpoint.</p>"
            }
        },
        "CreationTime": {

      "target": "smithy.api#Timestamp",
            "traits": {
                "smithy.api#documentation": "<p>The timestamp when License Manager created the license server
endpoint.</p>"
            }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Contains details about a network endpoint for a Remote Desktop
Services (RDS) \n\t\t\tlicense server.</p>"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId": {
      "type": "string"
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus": {
      "type": "string",
      "traits":
 {
        "smithy.api#enum": [
            {
                "name": "PROVISIONING",
                "value": "PROVISIONING",
                "documentation": ""
            },
            {
                "name": "PROVISIONING_FAILED",
                "value": "PROVISIONING_FAILED",
                "documentation": ""
            },
            {
```

"name": "PROVISIONED",
"value": "PROVISIONED",
"documentation": ""
},
{
"name": "DELETING",
"value": "DELETING",
"documentation": ""
},
{
"name": "DELETION_FAILED",
"value": "DELETION_FAILED",
"documentation": ""
},
{
"name": "DELETED",
"value": "DELETED",
"documentation": ""
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "HEALTHY",
"value": "HEALTHY",
"documentation": ""
},
{
"name": "UNHEALTHY",
"value": "UNHEALTHY",
"documentation": ""
},
{
"name": "NOT_APPLICABLE",
"value": "NOT_APPLICABLE",
"documentation": ""
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerList":
{
"type": "list",
"member": {

"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServer"
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings": {
"type": "structure",
"members": {
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of license server. ",
"smithy.api#required": {}
}
},
"ServerSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerSettings",
"traits": {
"smithy.api#documentation": " The <code>ServerSettings</code> resource contains the settings for your \n\t\t\tserver. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The settings to configure your license server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},

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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the Active Directory identity providers for user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/ListIdentityProviders"
            },

         "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "IdentityProviderSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
        "type": "structure",
        "members": {
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
    <ul>\n        <li>\n            <p>Product</p>\n        </li>\n        <li>\n            <p>DirectoryId</p>\n
  </li>\n      </ul>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
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"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse": {
"type": "structure",
"members": {
"IdentityProviderSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
"traits": {

"smithy.api#documentation": " An array of <code>IdentityProviderSummary</code> resources that contain \n\t\t\tdetails about the Active Directory identity providers that meet the request criteria. ",
"smithy.api#required": {}
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the EC2 instances providing user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/instance/ListInstances"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
"type": "structure",
"members": {
"MaxResults": {

"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken

\n\tfrom a previously truncated response. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n
\n \n Status \n \n \n InstanceId \n
\n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
"type": "structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
"traits": {
"smithy.api#documentation": " An array of <code>InstanceSummary</code> resources that
contain details \n\t\t\tabout the instances that provide user-based subscriptions and also meet the \n\t\t\trequest
criteria. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When
this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token
\n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List the Remote Desktop Services (RDS) License Server endpoints
",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/ListLicenseServerEndpoints"
},
"smithy.api#paginated": {

"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "LicenseServerEndpoints"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single
request. ",
"smithy.api#range": {
"min": 1,
"max": 100

```
                }
            }
        },
        "Filters": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
            "traits":
 {
                "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
<ul>\n            <li>\n              <p>IdentityProviderArn</p>\n            </li>\n        </ul>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse": {
    "type": "structure",
    "members": {
        "LicenseServerEndpoints": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList",
             "traits": {
                "smithy.api#documentation": "<p>An array of <code>LicenseServerEndpoint</code> resources that
\n\t\t\tcontain detailed information about the RDS License Servers that meet \n\t\t\tthe request criteria.</p>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to retrieve additional objects.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
    "type": "operation",
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"input": {

"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the user-based subscription products available from an identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListProductSubscriptions"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "ProductUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
"type":

"structure",
"members": {
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n
Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
"
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {

"smithy.api#documentation": " The maximum number of results to return from a single
request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n
\n \n Status \n \n \n Username \n
\n \n Domain \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {

"type": "structure",
"members": {
"ProductUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to
retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

}
],
"traits": {
"smithy.api#documentation": " Returns the list of tags for the specified resource. ",
"smithy.api#http": {
"method": "GET",
"uri": "/tags/{ResourceArn}"

```
            },
            "smithy.api#readonly": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource whose tags
you want to retrieve.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {

    "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The tags for the specified resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
```

{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits":
{
"smithy.api#documentation": " Lists user associations for an identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListUserAssociations"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required":
{}
}
},
"IdentityProvider": {

"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Status \n \n \n Username \n \n \n Domain \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
"type": "structure",
"members": {
"InstanceUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list user association operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "

```
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
        "type": "structure",
        "members": {
          "Username": {
            "target": "smithy.api#String",
            "traits":
 {
              "smithy.api#documentation": "<p>The user name from the identity provider for this product
user.</p>",
              "smithy.api#required": {}
            }
          },
          "Product": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
              "smithy.api#required": {}
            }
          },
          "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
              "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
              "smithy.api#required": {}
            }
          },
          "Status": {
            "target": "smithy.api#String",

            "traits": {
              "smithy.api#documentation": "<p>The status of a product for this user.</p>",
              "smithy.api#required": {}
            }
          },
          "ProductUserArn": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
            "traits": {
              "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) for this product user.</p>"
            }
          },
          "StatusMessage": {
```

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for a product for this user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains the user information for the product subscription. "
}
},
"SubscriptionStartDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The start date of a subscription. "
}
},
"SubscriptionEndDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The end date of a subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " A summary of the user-based subscription products for a specific user. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings": {
"type": "structure",
"members": {
"RdsSalCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
"traits": {
"smithy.api#documentation": " The <code>CredentialsProvider</code> resource contains a reference to \n\t\t\tthe credentials provider that's used for RDS license server user administration. ",
"smithy.api#required": {}
}
}
},

"traits": {
"smithy.api#documentation": " Server settings that are specific to a Remote Desktop Services (RDS) license server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
"type":
"operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Registers an identity provider for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/RegisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {

"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider to register. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration \n\t\t\tsettings such as the subnets to provision VPC endpoints. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply to the identity provider's registration. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,510})/([a-z0-9-\\.]{1,510})$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The resource couldn't be found. ",
"smithy.api#error": "client",
"smithy.api#httpError": 404
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider": {
"type": "structure",
"members": {
"SecretId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the Secrets Manager secret that contains credentials. ",
"smithy.api#length": {
"min": 1
}
}
}
},
"traits": {
"smithy.api#documentation": " Contains a credentials secret that's stored in Secrets Manager. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {

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        "type": "string",
        "traits": {
          "smithy.api#length": {
            "min": 5,
            "max": 200
          },
          "smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint": {
        "type": "structure",
        "members": {
          "Endpoint": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The network address of the endpoint.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>A network endpoint through which you can access one or more
servers.</p>"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ServerSettings": {
        "type": "union",
        "members": {
          "RdsSalSettings": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings",
            "traits": {
              "smithy.api#documentation": "<p>The <code>RdsSalSettings</code> resource
 contains settings to configure \n\t\t\ta specific Remote Desktop Services (RDS) license server.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Contains settings for a specific server.</p>"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ServerType": {
        "type": "string",
        "traits": {
          "smithy.api#enum": [
            {
              "name": "RDS_SAL",
              "value": "RDS_SAL",
              "documentation": ""
            }
```

```
            ]
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>The request failed because a service quota is exceeded.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Settings": {
        "type": "structure",
        "members": {
            "Subnets": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
                "traits": {
                    "smithy.api#documentation": "<p>The subnets defined for the registered identity provider.</p>",
                    "smithy.api#length": {
                        "min": 1
                    },
                    "smithy.api#required": {}
                }
            },
            "SecurityGroupId": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
                "traits": {
                    "smithy.api#documentation": "<p>A security group ID that allows inbound
 TCP port 1688 communication between resources in\n\t\t\tyour VPC and the VPC endpoint for activation
servers.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The registered identity providers product related configuration settings
such as the\n\t\t\tsubnets to provision VPC endpoints, and the security group ID that is associated with the
VPC\n\t\t\tendpoints. The security group should permit inbound TCP port 1688 communication from
resources\n\t\t\tin the VPC.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
        "type": "operation",
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"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Starts a product subscription for a user with the specified identity provider. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your\n\t\t\t\tmonthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StartProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
"type":
"structure",
"members": {
"Username": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n
Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code>
| <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains the user
for whom to start the product \n\t\t\tsubscription. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply to the product subscription. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse":
{
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {

"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],

"traits": {
"smithy.api#documentation": " Stops a product subscription for a user with the specified identity provider. ",
"smithy.api#http": {
"code": 200,

```
            "method": "POST",
            "uri": "/user/StopProductSubscription"
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
        "type": "structure",
        "members": {
          "Username": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>"
            }
          },
          "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
              "smithy.api#documentation": "<p>An
object that specifies details for the identity provider.</p>"
            }
          },
          "Product": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
            }
          },
          "ProductUserArn": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
            "traits": {
              "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the product user.</p>"
            }
          },
          "Domain": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The
domain name of the  Active Directory that contains the user for whom to stop the product \n\t\t\tsubscription.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
```

"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Subnet": {
"type": "string",
"traits": {
"smithy.api#pattern": "^subnet-[a-z0-9]{8,17}"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Subnets": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
}
},
"com.amazonaws.licensemanagerusersubscriptions#TagKeyList": {
"type": "list",
"member": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#TagResource": {

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"type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Adds tags to a resource.</p>",
        "smithy.api#http": {
            "method": "PUT",
            "uri": "/tags/{ResourceArn}"
        },

"smithy.api#idempotent": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest": {
    "type": "structure",
    "members": {
        "ResourceArn": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
            "traits": {
                "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want
to tag.</p>",
                "smithy.api#httpLabel": {},
                "smithy.api#required": {}
            }
        },
        "Tags": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
            "traits": {
                "smithy.api#documentation": "<p>The tags to apply to the specified resource.</p>",
                "smithy.api#required": {}
            }
        }
```

```
        },
        "traits":
{
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Tags": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
        "value": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }

     },
        "traits": {
            "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the
request.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest"
        },
```

```
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Removes
 tags from a resource.</p>",
            "smithy.api#http": {
                "method": "DELETE",
                "uri": "/tags/{ResourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want
 to remove tags from.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "TagKeys": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#TagKeyList",
                "traits": {

 "smithy.api#documentation": "<p>The tag keys to remove from the resource.</p>",
                    "smithy.api#httpQuery": "tagKeys",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse": {
```

"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates additional product configuration settings for the registered identity\n\t\t\tprovider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/UpdateIdentityProviderSettings"
},
"smithy.api#idempotent": {}

}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider"
},
"Product": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n
Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
"
}
},
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the
identity provider to update. "
}
},
"UpdateSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related
configuration settings. You can\n\t\t\tupdate any combination of settings in a single operation such as the: \n
\n \n Subnets which you want to add to provision VPC endpoints. \n \n
\n Subnets which you want to remove the VPC endpoints from. \n \n
\n Security group ID which permits traffic to the VPC endpoints. \n \n ",
"smithy.api#required": {}
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
"type": "structure",

"members": {
"AddSubnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets in which License Manager will create a VPC endpoint
for products that\n\t\t\trequire connectivity to activation servers. ",
"smithy.api#required": {}
}
},
"RemoveSubnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets to remove. ",
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688 communication between resources in\n\t\t\tyour VPC and the VPC endpoints for activation servers. "
}
}
},
"traits": {
"smithy.api#documentation":
" Updates the registered identity providers product related configuration settings such as\n\t\t\tthe subnets to provision VPC endpoints. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " A parameter is not valid. ",
"smithy.api#error": "client"
}
}
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32
```

```
 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack,
 options, "ListLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
```

```
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
 err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil
 {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "ListLicenses",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
```

```
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.Entitlement

 // Home Region for the license.
 //
 // This member is required.
 HomeRegion *string

 // License issuer.
 //
```

```
 // This member is required.
 Issuer *types.Issuer

 // License name.
 //
 // This member is required.
 LicenseName *string

 // Product name.
 //
 // This member is required.
 ProductName *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // Date and time range during which the license is valid, in ISO8601-UTC format.
 //
 // This member is required.
 Validity *types.DatetimeRange

 // Information about
 the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
```

```
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if
err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
```

```
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err
 = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack);
 err != nil {
  return err
```

```
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
```

```
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if
 err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
```

```
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if
 err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
 }
}
ListLicenses
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
```

```
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
```

```
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }
```

```
if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err
!= nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options);
```

```
 err != nil {
  return err
 }
 if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
```

CheckoutLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
DisassociateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation

spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AssociateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step

```
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
```

```
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {
```

```
 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
```

```
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
```

```
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options);
 err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
```

}
CheckInLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AWS SDK for Go
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ListReceivedLicenses
Initialize stack step
spanInitializeStart

```
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
```

```
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
```

```
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err !=
 nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
```

```
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err
 != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
```

```
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if
 err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
CreateLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
```

Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "shapes": {
    "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
      "type": "integer"
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
      "type": "long"
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
        },
        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
        },

    {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
        },
        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
        }
      ],
      "traits": {
        "smithy.api#documentation": "<p>Remove a third-party subscription provider from the Bring Your Own
License (BYOL) subscriptions \n\t\t\tregistered to your account.</p>",
        "smithy.api#http": {
          "code": 200,
          "method": "POST",
```

```
            "uri": "/subscription/DeregisterSubscriptionProvider"
          },
          "smithy.api#idempotent": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
          "SubscriptionProviderArn": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
            "traits": {
              "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the subscription provider
resource to deregister.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
        "type": "structure",
        "members": {},
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
        "type": "structure",
        "members": {
          "Name": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The type of name to filter by.</p>"
            }
          },
          "Values": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
            "traits": {
              "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
            }
          },
          "Operator": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
            "traits": {
              "smithy.api#documentation": "<p>An operator for filtering results.</p>"
            }
```

```
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe
operation.\n      Filters can be used to match a set of resources by specific criteria.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
        "type":
 "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
        },
        "output": {
            "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
             },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Get details for a Bring Your Own License (BYOL) subscription that's
registered to your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/GetRegisteredSubscriptionProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
```

"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation":
" The Amazon Resource Name (ARN) of the BYOL registration resource to get details for. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) for the BYOL registration resource specified in the request. "
}
},
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

"traits": {
"smithy.api#documentation": " The subscription provider for the BYOL registration resource specified \n\t\t\tin the request. "
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " The status of the Linux subscription provider access token from the last \n\t\t\tsuccessful subscription data request. "
}
},

"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The detailed message from your subscription provider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time License Manager retrieved subscription details \n\t\t\tfrom your registered third-party Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions service settings for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetServiceSettings"

},
"smithy.api#idempotent": {}

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
        "type": "structure",
        "members": {}
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
                    "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
                }
            },
            "LinuxSubscriptionsDiscoverySettings": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
                "traits": {
                    "smithy.api#documentation": "<p>Lists
 the settings defined for Linux subscriptions discovery. The settings include if\n      Organizations integration has
been enabled, and which Regions data will be aggregated from.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
                "traits": {
                    "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
                }
            },
            "HomeRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                 "traits": {
                    "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
        "type": "structure",
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"members": {
"AmiId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The AMI ID used to launch the instance. "
}
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"InstanceID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The instance ID of the resource. "
}
},
"InstanceType": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The instance type of the resource. "
}
},
"AccountID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The account ID which owns the instance. "
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the instance. "
}
},
"Region": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},

"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the license subscription that the instance uses. "
}
},
"OsVersion": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The operating system software version that runs on your instance. "
}
},
"SubscriptionProviderCreateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp when you registered the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses. "
}
},
"SubscriptionProviderUpdateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that the instance synced with the registered \n\t\t\tthird-party Linux subscription provider. "
}
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"DualSubscription": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Indicates that you have two different license subscriptions for \n\t\t\tthe same software on your instance. "
}

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            },
            "RegisteredWithSubscriptionProvider": {
                "target": "smithy.api#String",
                "traits": {

    "smithy.api#documentation": "<p>Indicates that your instance uses a BYOL license subscription from \n\t\t\ta
third-party Linux subscription provider that you've registered with License Manager.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details discovered information about a running instance using Linux
subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>An exception occurred with the service.</p>",
            "smithy.api#error": "server"
        }
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    "com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
        "type": "service",
        "version": "2018-05-10",
        "operations": [
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                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider"
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            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
            },
            {
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        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
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      },
      {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
      },
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        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
      },
      {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
      },
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        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
      },
      {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
      },
      {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
      }
    ],
    "traits": {
      "aws.api#service": {
        "sdkId": "License Manager Linux Subscriptions",
        "arnNamespace": "license-manager-linux-subscriptions",
        "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
      },
      "aws.auth#sigv4": {
        "name": "license-manager-linux-subscriptions"
      },
      "aws.protocols#restJson1": {},
      "smithy.api#cors": {
        "additionalAllowedHeaders": [
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          "content-type",
          "x-amz-content-sha256",
          "x-amz-user-agent",
          "x-amzn-platform-id",
          "x-amzn-trace-id"
        ],
        "additionalExposedHeaders": [
          "x-amzn-errortype",
          "x-amzn-requestid",
          "x-amzn-trace-id"
        ]
```

```
        },
        "smithy.api#documentation": "<p>With License Manager,
 you can discover and track your commercial Linux subscriptions on running\n      Amazon EC2 instances.</p>",
        "smithy.api#title": "AWS License Manager Linux Subscriptions",
        "smithy.rules#endpointRuleSet": {
          "version": "1.0",
          "parameters": {
            "Region": {
              "builtIn": "AWS::Region",
              "required": false,
              "documentation": "The AWS region used to dispatch the request.",
              "type": "String"
            },
            "UseDualStack": {
              "builtIn": "AWS::UseDualStack",
              "required": true,
              "default": false,
              "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
               "type": "Boolean"
            },
            "UseFIPS": {
              "builtIn": "AWS::UseFIPS",
              "required": true,
              "default": false,
              "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
              "type": "Boolean"
            },
            "Endpoint": {
              "builtIn": "SDK::Endpoint",
              "required": false,
              "documentation": "Override the endpoint used to send this request",
              "type": "String"
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                        "type": "error"
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                        "conditions": [],
                        "rules": [
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                                                "ref": "UseDualStack"
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                                "type": "error"
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"argv": [
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"assign": "PartitionResult"
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"rules": [
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"argv": [
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"argv": [
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"supportsFIPS"
]
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"headers": {}
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"type": "endpoint"
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"type": "error"
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                                "conditions": [],
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    "type": "error"
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"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
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"params": {
"Region": "us-east-1",
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"params": {
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"UseDualStack": false
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"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
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"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
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}

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            "expect": {
              "endpoint": {
                "url": "https://license-manager-linux-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
              }
            },
            "params": {
              "Region": "cn-north-1",
              "UseFIPS": true,
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            }
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 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
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              }
            },
            "params": {
              "Region": "cn-north-1",
              "UseFIPS": true,
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            }
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            "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
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            "params": {
              "Region": "cn-north-1",
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              "UseDualStack": true
            }
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                }
              },
              "params": {
                "Region": "cn-north-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
              "expect": {
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                }

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"params": {
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"params": {
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"UseDualStack": false
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"expect": {
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"params": {
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack

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"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
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"params": {
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"UseDualStack": false
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"expect": {
"endpoint": {
"url": "https://example.com"
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
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"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
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"params": {
"UseFIPS": false,
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"Endpoint": "https://example.com"
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"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
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"Region": "us-east-1",
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"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
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"expect": {
"error": "Invalid Configuration: Missing Region"
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"version": "1.0"
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}
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"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
"type": "string",
"traits": {
"smithy.api#enum": [
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"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled LinuxSubscriptionsDiscovery"

},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled LinuxSubscriptionsDiscovery"
}
]
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
"type": "structure",
"members": {
"SourceRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Regions in which to discover data for Linux subscriptions. ",
"smithy.api#required": {}
}
},
"OrganizationIntegration": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
"traits": {
"smithy.api#documentation": " Details if you have enabled resource discovery across your accounts in Organizations. ",
"smithy.api#required": {}
}
}
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"traits": {
"smithy.api#documentation": " Lists the settings defined for discovering Linux subscriptions. "
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

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                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
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        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the running Amazon EC2 instances that were discovered with
commercial Linux\n      subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListLinuxSubscriptionInstances"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "Instances"
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":
 {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results by your
specified criteria. \n    \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the
\n    \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n
\t<code>Value</code>, such as <code>us-west</code>.</p>\n        <p>For each filter, you can specify one of the
following values for the <code>Name</code> key \n    \tto streamline results:</p>\n        <ul>\n            <li>\n
   <p>\n                <code>AccountID</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
      <code>AmiID</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>DualSubscription</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>InstanceID</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>InstanceType</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>ProductCode</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>Region</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>Status</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>UsageOperation</code>\n            </p>\n          </li>\n        </ul>\n        <p>For each filter, you can use
one of the following <code>Operator</code>
```

values to \n \t\tdefine the behavior of the filter: \n \n \n \n
<code>contains</code>\n \n \n \n \n
<code>equals</code>\n \n \n \n \n
<code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to
start paginating. This \n\tis the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
"type": "structure",
"members": {
"Instances": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
"traits": {
"smithy.api#documentation": " An array that contains instance objects. "
}
},
"NextToken": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects. "
}
}
}

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
             {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the Linux subscriptions that have been discovered. If you have
linked your\n      organization, the returned results will include data aggregated across your accounts in\n
Organizations.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListLinuxSubscriptions"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",

   "items": "Subscriptions"
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify. For example, you can filter by the name of\n
 <code>Subscription</code> with an optional operator to see subscriptions that match,\n      partially match, or don't
```

match a certain subscription's name. \n The valid names for this filter are: \n \n
\n \n <code>Subscription</code>\n \n \n \n
The
 valid Operators for this filter are: \n \n \n \n
<code>contains</code>\n \n \n \n \n
<code>equals</code>\n \n \n \n \n
<code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis
 the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
"type": "structure",
"members": {
"Subscriptions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
"traits": {
"smithy.api#documentation": " An array that contains subscription objects. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects. "
}

```
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
        "type": "operation",
        "input": {
            "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
        },
        "output": {
            "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>List Bring Your Own License (BYOL) subscription registration
resources for your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListRegisteredSubscriptionProviders"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "RegisteredSubscriptionProviders"
            }
        }

    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSources": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
```

"traits": {
"smithy.api#documentation": " To filter your results, specify which subscription providers to return \n\t\t\tin the list. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. ",
"smithy.api#range": {
"min": 1,
"max": 100
}
}

},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis the nextToken from a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
"type": "structure",
"members": {
"RegisteredSubscriptionProviders": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
"traits": {
"smithy.api#documentation": " The list of BYOL registration resources that fit the criteria \n\t\t\tyou specified in the request. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
},

"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List the metadata tags that are assigned to the \n\t\t\tspecified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "GET",
"uri": "/tags/{resourceArn}"
},
"smithy.api#readonly": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource for which to list metadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
}
},
"traits": {

```
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags for the requested resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "EQUAL",
                    "value": "Equal",
                    "documentation": "Equal operator"
                },
                {
                    "name": "NOT_EQUAL",
                    "value": "NotEqual",
                    "documentation": "Not equal operator"
                },
                {
                    "name": "CONTAINS",
                    "value": "Contains",
                    "documentation": "Contains operator"
                }
            ],
            "smithy.api#length": {
                "min": 1,
                "max": 20
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
        "type": "string",
        "traits": {
            "smithy.api#enum": [
```

```
            {
                "name": "Enabled",
                "value": "Enabled",
                "documentation": "Enabled OrganizationIntegration"
            },
            {
                "name": "Disabled",
                "value": "Disabled",
                "documentation": "Disabled OrganizationIntegration"
            }
        ]
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
     },
    "output": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Register the supported third-party subscription provider for your Bring
Your Own License (BYOL) subscription.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/subscription/RegisterSubscriptionProvider"

      },
        "smithy.api#idempotent": {}
```

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation": "<p>The supported Linux subscription provider to register.</p>",
                    "smithy.api#required": {}
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the secret where you've
stored your subscription provider's access token. For \n\t\t\tRHEL subscriptions managed through the
 Red Hat Subscription Manager (RHSM), the secret contains \n\t\t\tyour Red Hat Offline token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags to assign to your registered Linux subscription
provider \n\t\t\tresource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation":
 "<p>The Linux subscription provider that you registered.</p>"
                }
            },
            "SubscriptionProviderArn": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
```

```
            }
        },
        "SubscriptionProviderStatus": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
            "traits": {
                "smithy.api#documentation": "<p>Indicates the status of the registration action for the Linux
subscription provider \n\t\t\tthat you requested.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider":
{
    "type": "structure",
    "members": {
        "SubscriptionProviderArn": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
            "traits": {
                "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
            }
        },
        "SubscriptionProviderSource": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
            "traits": {
                "smithy.api#documentation": "<p>A supported third-party Linux subscription provider. License
Manager currently supports \n\t\t\tRed Hat subscriptions.</p>"
            }
        },
        "SecretArn": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
             "traits": {
                "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Secrets Manager secret
that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is
the offline token.</p>"
            }
        },
        "SubscriptionProviderStatus": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
            "traits": {
                "smithy.api#documentation": "<p>Indicates the status of your registered Linux subscription provider
access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions,
\n\t\t\tthis is the status of the offline token.</p>"
            }
        },
```

"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " A detailed message that's associated with your BYOL subscription \n\t\t\tprovider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that License Manager accessed third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#documentation": " A third-party provider for operating system (OS) platform software and license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider, License Manager can get subscription data from the registered provider. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " Unable to find the requested Amazon Web Services resource. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-\\.]{0,63}:secret:[^/]{1,1023}$"

```
}
  },
  "com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
    "type": "string",
    "traits": {
      "smithy.api#enum": [
        {
          "name": "InProgress",
          "value": "InProgress",
          "documentation": "InProgress status"
        },
        {
          "name": "Completed",
          "value": "Completed",
          "documentation": "Completed status"
        },
        {
          "name": "Successful",
          "value": "Successful",
          "documentation": "Successful status"
        },
        {
          "name": "Failed",
          "value": "Failed",
          "documentation": "Failed status"
        }
      ]
    }
  },

  "com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
    "type": "list",
    "member": {
      "target": "smithy.api#String",
      "traits": {
        "smithy.api#length": {
          "min": 1,
          "max": 100
        }
      }
    },
    "traits": {
      "smithy.api#length": {
        "min": 1,
        "max": 100
      },
      "smithy.api#uniqueItems": {}
    }
```

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
        "value": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
        "type": "structure",
        "members": {
            "Name":
{
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the subscription.</p>"
                }
            },
            "Type": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included
with Amazon EC2, Bring Your Own\n      Subscription model (BYOS), or from the Amazon Web Services
Marketplace. Certain subscriptions may use licensing from the\n      Amazon Web Services Marketplace as well as
OS licensing from Amazon EC2 or BYOS.</p>"
                }
            },
            "InstanceCount": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>The total amount of running instances using this
subscription.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>An object which details a discovered Linux subscription.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
```

"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
"type": "string",
"traits": {
"smithy.api#enum": [

{
"name": "RedHat",
"value": "RedHat",
"documentation": "RedHat subscription provider namespace"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "ACTIVE",
"value": "ACTIVE",
"documentation": "ACTIVE status"
},
{
"name": "INVALID",
"value": "INVALID",

"documentation": "INVALID status"
},
{
"name": "PENDING",
"value": "PENDING",
"documentation": "PENDING status"
}
]
}
},

"com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
"type": "list",
"member": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Add metadata tags to the specified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "PUT",
"uri": "/tags/{resourceArn}"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
"type": "structure",
"members":
{
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",

"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to which to add the specified \n\t\t\tmetadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to the Amazon Web Services resource. Tags are \n\t\t\tformatted as key value pairs. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
"type": "structure",
"members": {
"message": {

```
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>The request was denied due to request throttling.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web
Services resource.</p>",
             "smithy.api#http": {
                "method": "DELETE",
                "uri": "/tags/{resourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
        "type": "structure",
        "members": {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to remove the metadata tags from.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "tagKeys": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
"traits": {

"smithy.api#documentation": " A list of metadata tag keys to remove from the requested \n\t\t\tresource. ",
"smithy.api#httpQuery": "tagKeys",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"

},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates the service settings for Linux subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/UpdateServiceSettings"
},

"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Describes if the discovery of Linux subscriptions is enabled. ",
"smithy.api#required": {}
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. ",
"smithy.api#required": {}
}
},
"AllowUpdate": {
"target": "smithy.api#Boolean",
"traits": {
"smithy.api#documentation": " Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "

```
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
                "traits": {
                    "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
                }

        },
            "HomeRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
            "smithy.api#error": "client"
        }
    }
  }
}
```


GetLicense

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

spanInitializeEnd

Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckoutBorrowLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID

```
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
```

```
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription
```

```
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
```

```
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack,
c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
```

```
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err !=
 nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
```

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package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
```

```
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
   - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
```

```
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err =
```

```
addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err !=
nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
```

```
 return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
DeleteLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
```

ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "metadata": {
      "suppressions": [
          {
              "id": "HttpMethodSemantics",
              "namespace": "*"
          },
          {
              "id": "HttpResponseCodeSemantics",
              "namespace": "*"
          },
          {
              "id": "PaginatedTrait",
              "namespace": "*"
          },
          {
              "id": "HttpHeaderTrait",
              "namespace": "*"
          },
          {
              "id": "HttpUriConflict",
              "namespace": "*"
          },
          {
              "id": "Service",
              "namespace": "*"
          }
      ]
  },
  "shapes": {
      "com.amazonaws.licensemanager#AWSLicenseManager": {
          "type": "service",
          "version": "2018-08-01",
          "operations": [
              {
                  "target": "com.amazonaws.licensemanager#AcceptGrant"
              },

   {
                  "target": "com.amazonaws.licensemanager#CheckInLicense"
              },
```

{
"target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
},
{
"target": "com.amazonaws.licensemanager#CheckoutLicense"
},
{
"target": "com.amazonaws.licensemanager#CreateGrant"
},
{
"target": "com.amazonaws.licensemanager#CreateGrantVersion"
},
{
"target": "com.amazonaws.licensemanager#CreateLicense"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseVersion"
},
{
"target": "com.amazonaws.licensemanager#CreateToken"
},
{
"target": "com.amazonaws.licensemanager#DeleteGrant"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicense"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#DeleteToken"
},
{
"target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

},
{
"target": "com.amazonaws.licensemanager#GetAccessToken"
},
{
"target": "com.amazonaws.licensemanager#GetGrant"
},
{
"target": "com.amazonaws.licensemanager#GetLicense"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseUsage"
},
{
"target": "com.amazonaws.licensemanager#GetServiceSettings"
},
{
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#ListDistributedGrants"
},
{
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
},
{
"target": "com.amazonaws.licensemanager#ListLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"

```
},
{

  "target": "com.amazonaws.licensemanager#ListLicenseVersions"
},
{
    "target": "com.amazonaws.licensemanager#ListReceivedGrants"
},
{
    "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
},
{
    "target": "com.amazonaws.licensemanager#ListReceivedLicenses"
},
{
    "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
},
{
    "target": "com.amazonaws.licensemanager#ListResourceInventory"
},
{
    "target": "com.amazonaws.licensemanager#ListTagsForResource"
},
{
    "target": "com.amazonaws.licensemanager#ListTokens"
},
{
    "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
 },
{
    "target": "com.amazonaws.licensemanager#RejectGrant"
},
{
    "target": "com.amazonaws.licensemanager#TagResource"
},
{
    "target": "com.amazonaws.licensemanager#UntagResource"
},
{
    "target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
},
{
    "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
},
{
    "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
},
{
```

"target": "com.amazonaws.licensemanager#UpdateServiceSettings"
}
],
"traits": {
"aws.api#service": {
"sdkId": "License Manager",
"arnNamespace": "license-manager",
"cloudFormationName": "LicenseManager",
"cloudTrailEventSource": "licensemanager.amazonaws.com",
"endpointPrefix": "license-manager"
},
"aws.auth#sigv4": {
"name": "license-manager"
},
"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
},
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {

```
            "builtIn": "SDK::Endpoint",
            "required": false,
            "documentation": "Override the endpoint used to send this request",
            "type": "String"
        }
    },
    "rules": [
        {
            "conditions": [
                {
                    "fn": "isSet",
                    "argv": [
                        {
                            "ref": "Endpoint"
                        }
                    ]

            }
            ],
            "type": "tree",
            "rules": [
                {
                    "conditions": [
                        {
                            "fn": "booleanEquals",
                            "argv": [
                                {
                                    "ref": "UseFIPS"
                                },
                                true
                            ]
                        }
                    ],
                    "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                    "type": "error"
                },
                {

"conditions": [
                        {
                            "fn": "booleanEquals",
                            "argv": [
                                {
                                    "ref": "UseDualStack"
                                },
                                true
                            ]
                        }
```

```
            ],
            "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
            "type": "error"
        },
        {
            "conditions": [],
            "endpoint": {
                "url": {
                    "ref": "Endpoint"
                },
                "properties": {},
                "headers": {}
            },
            "type": "endpoint"
        }
    ]
},
{
    "conditions": [
        {
            "fn": "isSet",
            "argv": [
                {
                    "ref": "Region"
                }
            ]
        }
    ],
    "type": "tree",
    "rules": [
        {
            "conditions": [
                {
                    "fn": "aws.partition",
                    "argv": [
                        {
                            "ref": "Region"
                        }
                    ],
                    "assign": "PartitionResult"
                }
            ],
            "type": "tree",
            "rules": [
                {
                    "conditions": [
                        {
                            "fn": "booleanEquals",
```

```
                "argv": [
                  {
                    "ref":
"UseFIPS"
                  },
                  true
                ]
              },
              {
                "fn": "booleanEquals",
                "argv": [
                  {
                    "ref": "UseDualStack"
                  },
                  true
                ]
              }
            ],
            "type": "tree",
            "rules": [
              {
                "conditions": [
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      true,
                      {
                        "fn": "getAttr",
                        "argv": [
                          {
                            "ref": "PartitionResult"
                          },
                          "supportsFIPS"
                        ]

                }
                    ]
                  },
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      true,
                      {
                        "fn": "getAttr",
                        "argv": [
                          {
                            "ref": "PartitionResult"
                          },
```

"supportsDualStack"
]
}
]
}
],
"type": "tree",
"rules": [
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}

},
"type": "endpoint"
}
]
},
{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
]
},
{
"conditions": [
{
"fn": "booleanEquals",

"argv": [
{
"ref": "UseFIPS"
},
true
]
}
],
"type": "tree",
"rules": [
{
"conditions": [
{

```
                "fn": "booleanEquals",
                "argv": [
                  true,

            {
                    "fn": "getAttr",
                    "argv": [
                      {
                        "ref": "PartitionResult"
                      },
                      "supportsFIPS"
                    ]
                  }
                ]
              }
            ],
            "type": "tree",
            "rules": [

            {
                "conditions": [],
                "endpoint": {
                  "url": "https://license-manager-fips.{Region}.{PartitionResult#dnsSuffix}",
                  "properties": {},
                  "headers": {}
                },
                "type": "endpoint"
              }
            ]
          },
          {
            "conditions": [],
            "error": "FIPS is enabled but this
partition does not support FIPS",
            "type": "error"
          }
        ]
      },
      {
        "conditions": [
          {
            "fn": "booleanEquals",
            "argv": [
              {
                "ref": "UseDualStack"
              },
              true
            ]
```

```
                    }
                ],
                "type": "tree",
                 "rules": [
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    true,
                                    {
                                        "fn": "getAttr",
                                        "argv": [
                                            {
                                                "ref": "PartitionResult"
                                            },

"supportsDualStack"
                                        ]
                                    }
                                ]
                            }
                        ],
                        "type": "tree",
                        "rules": [
                            {
                                "conditions": [],
                                "endpoint": {
                                    "url": "https://license-
manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                    "properties": {},
                                    "headers": {}

                },
                            "type": "endpoint"
                            }
                        ]
                    },
                    {
                        "conditions": [],
                        "error": "DualStack is enabled but this partition does not support DualStack",
                        "type": "error"
                    }
                ]
            },
            {
                "conditions": [],
                "endpoint": {
```

```
                "url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
                "properties": {},
                "headers": {}
            },
            "type": "endpoint"
        }
      ]
    }
  ]
},
{
  "conditions": [],
  "error": "Invalid Configuration: Missing Region",
  "type": "error"
}
]
},
"smithy.rules#endpointTests": {
  "testCases": [
    {
      "documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint":
{
          "url": "https://license-manager.af-south-1.amazonaws.com"
        }
      },
      "params": {
        "Region": "af-south-1",
        "UseFIPS": false,
        "UseDualStack": false
      }
    },
    {
      "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.ap-east-1.amazonaws.com"
        }
      },
      "params": {
        "Region": "ap-east-1",
        "UseFIPS": false,
        "UseDualStack": false
       }
    },
    {
      "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",
```

```
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-northeast-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "ap-northeast-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-northeast-2.amazonaws.com"
                 }
            },
            "params": {
                "Region": "ap-northeast-2",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-northeast-3.amazonaws.com"
                }
            },
            "params": {
                "Region": "ap-northeast-3",
                "UseFIPS": false,
                "UseDualStack": false
            }

    },
        {
            "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-south-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "ap-south-1",
                "UseFIPS": false,
```

"UseDualStack": false
}
},
{
"documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-1.amazonaws.com"

}
},
"params": {
"Region": "ap-southeast-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-2.amazonaws.com"
}
},
"params": {
"Region": "ap-southeast-2",
"UseFIPS": false,
"UseDualStack": false
}
},
{

"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-3.amazonaws.com"
}
},
"params": {
"Region": "ap-southeast-3",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {

"url": "https://license-manager.ca-central-1.amazonaws.com"
}
},

"params": {
"Region": "ca-central-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-central-1.amazonaws.com"
}
},
"params": {
"Region": "eu-central-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-north-1 with FIPS
disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-north-1.amazonaws.com"
}
},
"params": {
"Region": "eu-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-south-1.amazonaws.com"
}
},
"params": {
"Region":
"eu-south-1",
"UseFIPS": false,

"UseDualStack": false
}
},
{
"documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-west-1.amazonaws.com"
}
},
"params": {
"Region": "eu-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
"expect": {

"endpoint": {
"url": "https://license-manager.eu-west-2.amazonaws.com"
}
},
"params": {
"Region": "eu-west-2",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-west-3.amazonaws.com"
}
},
"params": {
"Region": "eu-west-3",
"UseFIPS": false,

"UseDualStack": false
}
},
{
"documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {

```
                "url": "https://license-manager.me-south-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "me-south-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.sa-east-1.amazonaws.com"
             }
        },
        "params": {
            "Region": "sa-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-east-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "us-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }

},
    {
        "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.us-east-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "us-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
```

```
            },
            {
              "documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-east-2.amazonaws.com"
                }

             },
              "params": {
                "Region": "us-east-2",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.us-east-2.amazonaws.com"
                }
              },
              "params": {
                "Region": "us-east-2",
                "UseFIPS": true,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region
us-west-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-west-1.amazonaws.com"
                }
              },
              "params": {
                "Region": "us-west-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.us-west-1.amazonaws.com"
                }
```

```
            },
            "params": {

        "Region": "us-west-1",
                "UseFIPS": true,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.us-west-2.amazonaws.com"
                }
            },
            "params": {
                "Region": "us-west-2",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",

"expect": {
                "endpoint": {
                    "url": "https://license-manager-fips.us-west-2.amazonaws.com"
                }
            },
            "params": {
                "Region": "us-west-2",
                "UseFIPS": true,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-fips.us-east-1.api.aws"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": true,

                "UseDualStack": true
            }
```

```
            },
            {
              "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-east-1.api.aws"
                }
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": true
              }
            },
            {
              "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
                }
              },
              "params": {
                "Region": "cn-north-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
                }
              },
              "params": {
                "Region": "cn-northwest-1",
                "UseFIPS": false,
                "UseDualStack": false

    }
            },
            {
              "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
                }
```

```
        },
        "params": {
          "Region": "cn-north-1",
          "UseFIPS": true,
          "UseDualStack": true
        }
      },
      {
        "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
           }
        },
        "params": {
          "Region": "cn-north-1",
          "UseFIPS": true,
          "UseDualStack": false
        }
      },
      {
        "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
          }
        },
        "params": {
          "Region": "cn-north-1",
          "UseFIPS": false,
          "UseDualStack": true
        }
      },

    {
        "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.us-gov-east-1.amazonaws.com"
          }
        },
        "params": {
          "Region": "us-gov-east-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
      },
      {
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation":
"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-west-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.api.aws"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {

"url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled
but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},

{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",

"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
}
},

"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,

"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
"output": {

"target": "com.amazonaws.licensemanager#AcceptGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"

}
],
"traits": {
"smithy.api#documentation": " Accepts the specified grant. "
}
},
"com.amazonaws.licensemanager#AcceptGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#AcceptGrantResponse": {
"type": "structure",
"members": {

"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant
ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#AccessDeniedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
"httpResponseCode": 401
},
"smithy.api#documentation": " Access to resource denied. ",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
"type": "enum",
"members": {
"DISTRIBUTED_GRANTS_ONLY": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
}
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperation": {

"type": "enum",
"members": {
"CREATE_GRANT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateGrant"
}
},
"CHECKOUT_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutLicense"
}
},
"CHECKOUT_BORROW_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutBorrowLicense"
}
},
"CHECK_IN_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckInLicense"
}
},
"EXTEND_CONSUMPTION_LICENSE":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ExtendConsumptionLicense"
}
},
"LIST_PURCHASED_LICENSES": {
"target": "smithy.api#Unit",

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            "traits": {
                "smithy.api#enumValue": "ListPurchasedLicenses"
            }
        },
        "CREATE_TOKEN": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "CreateToken"
            }
        }
    }
},
"com.amazonaws.licensemanager#AllowedOperationList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#AllowedOperation"
    },
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max":
7
        }
    }
},
"com.amazonaws.licensemanager#Arn": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 2048
        },
        "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-
z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
    }
},
"com.amazonaws.licensemanager#ArnList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Arn"
    }
},
"com.amazonaws.licensemanager#AuthorizationException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
```

```
        },
        "traits": {
          "aws.protocols#awsQueryError":
 {
            "code": "AuthorizationFailure",
            "httpResponseCode": 403
          },
          "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to
perform the action. Check the IAM\n        policy associated with this account.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 403
        }
      },
      "com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
        "type": "structure",
        "members": {
          "LastRunTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Describes automated discovery.</p>"
        }
      },

    "com.amazonaws.licensemanager#Boolean": {
        "type": "boolean",
        "traits": {
          "smithy.api#default": false
        }
      },
      "com.amazonaws.licensemanager#BorrowConfiguration": {
        "type": "structure",
        "members": {
          "AllowEarlyCheckIn": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
              "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
              "smithy.api#required": {}
            }
          },
          "MaxTimeToLiveInMinutes": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
```

```
                "smithy.api#required": {}
            }
        }

},
        "traits": {
            "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#BoxBoolean": {
        "type": "boolean"
    },
    "com.amazonaws.licensemanager#BoxInteger": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#BoxLong": {
        "type": "long"
    },
    "com.amazonaws.licensemanager#CheckInLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"

     },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
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```
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseRequest":
{
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
        },
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"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{
"target":
"com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license for offline use. "
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
"type": "structure",
"members":
{
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The license must

use the borrow consumption configuration. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. Partial checkouts are not supported. ",
"smithy.api#required": {}
}
},
"DigitalSignatureMethod": {
"target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
"traits": {
"smithy.api#documentation": " Digital signature method. The possible
value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see <a
href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS. ",
"smithy.api#required": {}
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation":
" Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
"type": "structure",
"members": {

"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},
"EntitlementsAllowed":
{
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " Allowed license entitlements. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout
is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout expires. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "

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                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target":
"com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
```

"traits": {
"smithy.api#documentation": " Checks out the specified license. \n <note>\n If the account that created the license is the same that is performing the check out, you must\n specify the account as the beneficiary. \n </note>"
}
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
"type": "structure",
"members": {
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. ",
"smithy.api#required": {}
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Key fingerprint identifying the license. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Beneficiary": {

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            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License beneficiary.</p>"
            }
        },
        "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
            }
        }
    },
    "traits": {

   "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
    "type": "structure",
    "members": {
        "CheckoutType": {
            "target": "com.amazonaws.licensemanager#CheckoutType",
            "traits": {
                "smithy.api#documentation": "<p>Checkout type.</p>"
            }
        },
        "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License consumption token.</p>"
            }
        },
        "EntitlementsAllowed": {
            "target": "com.amazonaws.licensemanager#EntitlementDataList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
            }
        },
         "SignedToken": {
            "target": "com.amazonaws.licensemanager#SignedToken",
            "traits": {
                "smithy.api#documentation": "<p>Signed token.</p>"
            }
        },
        "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
```

```
            }
          },
          "IssuedAt": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
            }
          },
          "Expiration": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
            }
          },
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#CheckoutType": {
        "type": "enum",
        "members": {
          "PROVISIONAL": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "PROVISIONAL"
            }
          },
          "PERPETUAL": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "PERPETUAL"
            }
           }
        }
      },
      "com.amazonaws.licensemanager#ClientRequestToken": {
        "type": "string",
        "traits": {
          "smithy.api#length": {
            "min": 1,
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            "max": 36
          }
        }
      },
      "com.amazonaws.licensemanager#ClientToken": {
        "type": "string",
        "traits": {
          "smithy.api#length": {
            "min": 0,
            "max": 2048
          },
          "smithy.api#pattern": "^\\S+$"
        }
      },
      "com.amazonaws.licensemanager#ConflictException": {
        "type": "structure",
        "members": {
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "aws.protocols#awsQueryError": {
            "code": "ConflictException",
            "httpResponseCode":
 409
          },
          "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 409
        }
      },
      "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
        "type": "structure",
        "members": {
          "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
              "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
            }
          },
          "ConsumedLicenses": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
              "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
            }
          }
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        },

"traits": {
            "smithy.api#documentation": "<p>Details about license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
        }
    },
    "com.amazonaws.licensemanager#ConsumptionConfiguration": {
        "type": "structure",
        "members": {
            "RenewType": {
                "target": "com.amazonaws.licensemanager#RenewType",
                "traits": {
                    "smithy.api#documentation": "<p>Renewal frequency.</p>"
                }
            },
            "ProvisionalConfiguration": {
                "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
                 }
            },
            "BorrowConfiguration": {
                "target": "com.amazonaws.licensemanager#BorrowConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantResponse"
        },
        "errors": [
            {
```

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a grant for the specified license. A grant shares the use of license\n entitlements with a specific Amazon Web Services account, an organization, or an\n organizational unit (OU). For more
information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#CreateGrantRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}

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}
        },
        "LicenseArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
            "smithy.api#required": {}
          }
        },
        "Principals": {
          "target": "com.amazonaws.licensemanager#PrincipalArnList",
          "traits": {
            "smithy.api#documentation": "<p>The grant principals. You can specify one of the following as an
Amazon Resource Name\n (ARN):</p>\n <ul>\n <li>\n <p>An Amazon Web Services
account, which includes only the account specified.</p>\n </li>\n </ul>\n <ul>\n <li>\n
<p>An organizational unit (OU), which includes all accounts in the OU.</p>\n </li>\n </ul>\n
<ul>\n
<li>\n <p>An organization, which will include all accounts across your organization.</p>\n
</li>\n </ul>",
            "smithy.api#required": {}
          }
        },
        "HomeRegion": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Home Region of the grant.</p>",
            "smithy.api#required": {}
          }
        },
        "AllowedOperations": {
          "target": "com.amazonaws.licensemanager#AllowedOperationList",
          "traits": {
            "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },

    "com.amazonaws.licensemanager#CreateGrantResponse": {
      "type": "structure",
      "members": {
        "GrantArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits": {
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                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersion":
{
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
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            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information, see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",

  "smithy.api#required": {}
                }
            },
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>"
                }
            },
            "AllowedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
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            "StatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status reason.</p>"
                }
            },
            "SourceVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the grant.</p>"
                }
            },
            "Options": {
                "target": "com.amazonaws.licensemanager#Options",
                "traits": {
                    "smithy.api#documentation": "<p>The options specified for the grant.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>New version of the grant.</p>"
                }
            }
        },
        "traits":
{
            "smithy.api#output": {}
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    }
},
"com.amazonaws.licensemanager#CreateLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Creates a license.</p>"
    }
},
"com.amazonaws.licensemanager#CreateLicenseConfiguration": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
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            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager. Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a \n        license must be associated with a host), and the number of licenses purchased and used.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the license configuration.</p>"
                }
            },
            "LicenseCountingType": {
                "target": "com.amazonaws.licensemanager#LicenseCountingType",
                "traits": {
                    "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
                    "smithy.api#required": {}
                }
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            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
                }
            },
            "LicenseCountHardLimit": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether hard or soft license enforcement is used.
Exceeding a hard limit\n        blocks the launch of new instances.</p>"
                }
            },
            "LicenseRules": {
                "target":
 "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>License rules. The syntax is #name=value (for example,
#allowedTenancy=EC2-DedicatedHost). The available rules \n        vary by dimension, as follows.</p>\n
<ul>\n            <li>\n              <p>\n                <code>Cores</code> dimension: <code>allowedTenancy</code> |\n
          <code>licenseAffinityToHost</code> |\n              <code>maximumCores</code> |
<code>minimumCores</code>\n              </p>\n            </li>\n            <li>\n              <p>\n
<code>Instances</code> dimension: <code>allowedTenancy</code> | \n              <code>maximumCores</code> |
<code>minimumCores</code> |\n              <code>maximumSockets</code> | <code>minimumSockets</code> |\n
         <code>maximumVcpus</code> | <code>minimumVcpus</code>\n              </p>\n            </li>\n
<li>\n
  <p>\n                <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n
<code>licenseAffinityToHost</code> |\n              <code>maximumSockets</code> |
<code>minimumSockets</code>\n              </p>\n            </li>\n            <li>\n              <p>\n
<code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n
<code>honorVcpuOptimization</code> | \n              <code>maximumVcpus</code> |
<code>minimumVcpus</code>\n              </p>\n            </li>\n        </ul>\n        <p>The unit for
<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n        values for
<code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n
<code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n
<code>True</code> and <code>False</code>.</p>"
                }
            },

   "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
                }
            },
            "DisassociateWhenNotFound": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
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"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"

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            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {

                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting
the license type for.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information that identifies the license type you are converting
from. \n\n        For the structure of the source license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
                    "smithy.api#required": {}
                }
            },
            "DestinationLicenseContext":
 {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information that identifies the license type you are converting to.
For the structure of the destination license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
                    "smithy.api#required": {}
                }
            }
```

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    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
    "type": "structure",
    "members": {
        "LicenseConversionTaskId": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

   "traits": {
                "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
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"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a report generator. "
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"ReportGeneratorName":
{
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports to generate. The following report types an be generated: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}

}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}

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            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientRequestToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique,
 case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the report generator.</p>"
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Tags to add to the report generator.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn":
 {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the new report
generator.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits": {
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region for the license. ",
"smithy.api#required": {}

}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}

```
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>",
                    "smithy.api#required": {}
                }
            },
            "ConsumptionConfiguration": {
                "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n          running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n          usage.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
```

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            "smithy.api#documentation": "<p>License status.</p>"
          }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>License version.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersion": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#ConflictException"
         },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
          "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
          "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
          "target": "com.amazonaws.licensemanager#ValidationException"
        }
      ],
```

"traits": {
"smithy.api#documentation": " Creates a new version of the specified license. "
}
},
"com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target":
"com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits":
{
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the license. ",
"smithy.api#required": {}
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-

UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},

"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the license. "
}
}

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        },
        "traits": {

"smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>License ARN.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>New version of the license.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output":
{}
        }
    },
    "com.amazonaws.licensemanager#CreateToken": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateTokenRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateTokenResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
```

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            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },

        {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n        <p>A refresh token is a JWT
token used to get an access token. With an access token,\n        you can call AssumeRoleWithWebIdentity to get
role credentials that you can use to \n        call License Manager to manage the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateTokenRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is
mapped to the aud claim of the\n        JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "RoleArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the
token. \n        License Manager does not check whether the roles are in use.</p>"
                }
            },
            "ExpirationInDays": {
                "target": "com.amazonaws.licensemanager#Integer",
                "traits": {
```

"smithy.api#documentation": " Token expiration, in days, counted from token creation. The default is 365 days. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Idempotency token, valid for 10 minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateTokenResponse": {
"type": "structure",
"members": {
"TokenId": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Token ID. "
}
},
"TokenType": {
"target": "com.amazonaws.licensemanager#TokenType",
"traits": {
"smithy.api#documentation": " Token type. "
}
},
"Token": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Refresh token, encoded as a JWT token. "
}
}
},
"traits": {
"smithy.api#output": {}

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    }
},
"com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
        "Begin": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Start of the time range.</p>",
                "smithy.api#required": {}
            }
        },
        "End": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>End of the time range.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
},
"com.amazonaws.licensemanager#DeleteGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
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"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes
the specified grant. "
}
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " The Status reason for the delete request. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the
grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",

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            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation":
"<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DeleteLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
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"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license configuration. \n You cannot delete a license configuration that is in use. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
"type": "structure",
"members":

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{
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
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"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified report generator. \n This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator to be deleted. ",
"smithy.api#required": {}
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",

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            "traits": {
                "smithy.api#documentation": "<p>Current version of the license.</p>",
                "smithy.api#required":
{}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#DeleteLicenseResponse": {
        "type": "structure",
        "members": {
          "Status": {
            "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
          },
          "DeletionDate": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#DeleteToken": {
        "type": "operation",
         "input": {
          "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },

        {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenRequest": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}

      }
    },
    "com.amazonaws.licensemanager#DigitalSignatureMethod": {
        "type": "enum",
        "members": {
            "JWT_PS384": {
                "target": "smithy.api#Unit",
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"traits": {
"smithy.api#enumValue": "JWT_PS384"
}
}
}
},
"com.amazonaws.licensemanager#Entitlement": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement resource. Use only
if the unit is None. "
}
},
"MaxCount": {
"target": "com.amazonaws.licensemanager#Long",
"traits": {
"smithy.api#documentation": " Maximum entitlement count. Use if the unit is not None. "
}
},
"Overage": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether overages are allowed. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementUnit",
"traits": {
"smithy.api#documentation": " Entitlement unit. ",
"smithy.api#required": {}
}
},
"AllowCheckIn": {
"target":
"com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether check-ins are allowed. "
}

```
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes a resource entitled for use with a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementData": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement data name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement
data value.</p>"
                }
            },
            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement data unit.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementDataList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementData"
        }
    },
    "com.amazonaws.licensemanager#EntitlementDataUnit": {
        "type": "enum",
        "members": {
            "COUNT": {
                "target": "smithy.api#Unit",
                "traits": {
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"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"

}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"Megabits/Second"
}
},

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            "GIGABITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Gigabits/Second"
                }
            },
            "TERABITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Terabits/Second"
                }
            },
            "COUNT_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Count/Second"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#EntitlementList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Entitlement"
        }
    },
    "com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#EntitlementUnit": {
        "type": "enum",
        "members": {
            "COUNT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Count"
                }
```

```
        },
        "NONE": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "None"
          }
        },
        "SECONDS":
{
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Seconds"
          }
        },
        "MICROSECONDS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Microseconds"
          }
        },
        "MILLISECONDS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Milliseconds"
          }
        },
        "BYTES": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Bytes"
          }
        },
        "KILOBYTES": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Kilobytes"
           }
        },
        "MEGABYTES": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Megabytes"
          }
        },
        "GIGABYTES": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Gigabytes"
```

```
    }
},
"TERABYTES": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Terabytes"
    }
},
"BITS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Bits"
    }
},
"KILOBITS": {
    "target": "smithy.api#Unit",
    "traits": {

     "smithy.api#enumValue": "Kilobits"
    }
},
"MEGABITS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Megabits"
    }
},
"GIGABITS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Gigabits"
    }
},
"TERABITS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Terabits"
    }
},
"PERCENT": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Percent"
    }
},
"BYTES_PER_SECOND": {
    "target":
```

"smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits/Second"
}
},

```
        "GIGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Gigabits/Second"
            }
        },

    "TERABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabits/Second"
            }
        },
        "COUNT_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count/Second"
            }
        }
    }
},
"com.amazonaws.licensemanager#EntitlementUsage": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage name.</p>",
                "smithy.api#required": {}
            }
        },
        "ConsumedValue": {
            "target": "com.amazonaws.licensemanager#String",

        "traits": {
                "smithy.api#documentation": "<p>Resource usage consumed.</p>",
                "smithy.api#required": {}
            }
        },
        "MaxCount": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
            }
        },
        "Unit": {
            "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
            "traits": {
```

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                "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
    }
},
"com.amazonaws.licensemanager#EntitlementUsageList":
{
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#EntitlementUsage"
    }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumption": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
         },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
```

"smithy.api#documentation": " Extends the expiration date for license consumption. "
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. ",
"smithy.api#required": {}

}
},
"DryRun": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,
"smithy.api#documentation": " Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},

"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license consumption expires. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},

"com.amazonaws.licensemanager#FailedDependencyException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
},
"ErrorCode": {
"target": "com.amazonaws.licensemanager#String"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FailedDependency",
"httpResponseCode": 424
},
"smithy.api#documentation":
" A dependency required to run the API is missing. ",
"smithy.api#error": "client",
"smithy.api#httpError": 424
}
},
"com.amazonaws.licensemanager#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#FilterName",
"traits": {
"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter
name and value pair that is used to return more specific results from a\n describe operation. Filters can be used to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
"type": "structure",
"members": {
"Message": {

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            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "FilterLimitExceeded",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#FilterList": {
    "type": "list",
     "member": {
        "target": "com.amazonaws.licensemanager#Filter"
    }
},
"com.amazonaws.licensemanager#FilterName": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#FilterValue",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#Filters": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Filter",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#GetAccessToken": {
    "type": "operation",
    "input": {
         "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
    },
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"output": {
"target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets a temporary access token to use with AssumeRoleWithWebIdentity. Access tokens\n are valid for one hour. "
}
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
"type": "structure",
"members": {
"Token": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Refresh token, encoded as a JWT token. ",
"smithy.api#required": {}
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Token properties to validate against those present in the JWT token. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},

"com.amazonaws.licensemanager#GetAccessTokenResponse":
{
"type": "structure",
"members": {
"AccessToken": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Temporary access token. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {

"smithy.api#documentation": " Gets detailed information about the specified grant. "
}
},
"com.amazonaws.licensemanager#GetGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetGrantResponse": {
"type": "structure",
"members": {
"Grant": {
"target": "com.amazonaws.licensemanager#Grant",
"traits": {
"smithy.api#documentation": " Grant details. "
}
}
},
"traits": {

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseResponse"
},
"errors": [

```
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"

    },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the specified license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits":
 {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurationId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
                }
            },
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
                }
            },
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>"
                 }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the license configuration.</p>"
```

```
        }
    },
    "LicenseCountingType": {
        "target": "com.amazonaws.licensemanager#LicenseCountingType",
        "traits": {
            "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
        }
    },
    "LicenseRules": {
        "target": "com.amazonaws.licensemanager#StringList",
        "traits": {
            "smithy.api#documentation": "<p>License rules.</p>"
        }
    },
    "LicenseCount": {
        "target": "com.amazonaws.licensemanager#BoxLong",

       "traits": {
            "smithy.api#documentation": "<p>Number of available licenses.</p>"
        }
    },
    "LicenseCountHardLimit": {
        "target": "com.amazonaws.licensemanager#BoxBoolean",
        "traits": {
            "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
        }
    },
    "ConsumedLicenses": {
        "target": "com.amazonaws.licensemanager#BoxLong",
        "traits": {
            "smithy.api#documentation": "<p>Number of licenses assigned to resources.</p>"
        }
    },
    "Status": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>License configuration status.</p>"
        }

},
    "OwnerAccountId": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Account ID of the owner of the license configuration.</p>"
        }
    },
    "ConsumedLicenseSummaryList": {
        "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
```

"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When
true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified license type conversion task. "
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information
on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "
}
},
"ResourceArn": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted to. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " Status of the license type conversion task. "
}
},

"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was started . "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Amount of time to complete the license type conversion. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was

completed. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified report generator. "
}
},

"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. ",
"smithy.api#required":
{}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"ReportGenerator": {
"target": "com.amazonaws.licensemanager#ReportGenerator",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license configurations. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}

```
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseResponse": {
        "type": "structure",
        "members": {
            "License": {
                "target": "com.amazonaws.licensemanager#License",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },

"com.amazonaws.licensemanager#GetLicenseUsage": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {

"target": "com.amazonaws.licensemanager#ValidationException"
            }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseUsageRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
        "type": "structure",
        "members": {
            "LicenseUsage": {
                "target":
"com.amazonaws.licensemanager#LicenseUsage",
                "traits": {
                    "smithy.api#documentation": "<p>License usage details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets the License Manager settings for the current Region. "
}
},
"com.amazonaws.licensemanager#GetServiceSettingsRequest": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Regional S3 bucket path for storing reports, license trail event data, discovery data,\n and so on. "

}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " SNS topic configured to receive notifications from License Manager. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Indicates whether Organizations is integrated with License Manager for\n cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {

"smithy.api#documentation": " Indicates whether cross-account discovery is enabled. "
}

},
"LicenseManagerResourceShareArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource share. The License Manager management account \n provides member accounts with access to this share. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Grant": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}
}
},
"ParentArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",
"smithy.api#required": {}
}
},

"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. ",
"smithy.api#required": {}
}
},
"GrantedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Granted operations. ",
"smithy.api#required": {}
}
},
"Options": {
"target": "com.amazonaws.licensemanager#Options",
"traits": {
"smithy.api#documentation": " The options specified for the grant. "
}
}

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        },
        "traits": {
            "smithy.api#documentation":
"<p>Describes a grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#GrantList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Grant"
        }
    },
    "com.amazonaws.licensemanager#GrantStatus": {
        "type": "enum",
        "members": {
            "PENDING_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_WORKFLOW"
                }
            },
            "PENDING_ACCEPT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_ACCEPT"
                }
            },
            "REJECTED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REJECTED"

            }
            },
            "ACTIVE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ACTIVE"
                }
            },
            "FAILED_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED_WORKFLOW"
                }
            },
            "DELETED": {
                "target": "smithy.api#Unit",
```

"traits": {
"smithy.api#enumValue": "DELETED"
}
},
"PENDING_DELETE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_DELETE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "DISABLED"
}
},
"WORKFLOW_COMPLETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WORKFLOW_COMPLETED"
}
}
}
},
"com.amazonaws.licensemanager#GrantedLicense": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. "
}

},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " Granted license issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the granted license. "

}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " Granted license status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the granted license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Granted license beneficiary. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}

```
            },
            "LicenseMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license metadata.</p>"
                }
            },
            "CreateTime": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Creation time of the granted license.</p>"

    }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Version of the granted license.</p>"
                }
            },
            "ReceivedMetadata": {
                "target": "com.amazonaws.licensemanager#ReceivedMetadata",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license received metadata.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
        }
    },
    "com.amazonaws.licensemanager#GrantedLicenseList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#GrantedLicense"
        }
    },
    "com.amazonaws.licensemanager#ISO8601DateTime":
{
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-
1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$"
        }
```

```
    },
    "com.amazonaws.licensemanager#Integer": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#InvalidParameterValueException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidParameterValueProvided",
                "httpResponseCode": 400
            },
            "smithy.api#documentation":
 "<p>One or more parameter values are not valid.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#InvalidResourceStateException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidResourceState",
                "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n        <p>For example, you cannot allocate a license to an instance in the process of shutting\n
down.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },

    "com.amazonaws.licensemanager#InventoryFilter": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
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```
            "smithy.api#documentation": "<p>Name of the filter.</p>",
            "smithy.api#required": {}
          }
        },
        "Condition": {
          "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
          "traits": {
            "smithy.api#documentation": "<p>Condition of the filter.</p>",
            "smithy.api#required": {}
          }
        },
        "Value": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Value of the filter.</p>"
          }
        }

    },
      "traits": {
        "smithy.api#documentation": "<p>An inventory filter.</p>"
      }
    },
    "com.amazonaws.licensemanager#InventoryFilterCondition": {
      "type": "enum",
      "members": {
        "EQUALS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "EQUALS"
          }
        },
        "NOT_EQUALS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "NOT_EQUALS"
          }
        },
        "BEGINS_WITH": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "BEGINS_WITH"
          }
        },
        "CONTAINS": {
          "target": "smithy.api#Unit",
          "traits": {
```

"smithy.api#enumValue": "CONTAINS"
}
}
}
},
"com.amazonaws.licensemanager#InventoryFilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#InventoryFilter"
}
},
"com.amazonaws.licensemanager#Issuer": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. ",
"smithy.api#required": {}
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the issuer of a license. "
}
},
"com.amazonaws.licensemanager#IssuerDetails": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. "
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing

algorithm. "
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer key fingerprint. "
}
}
},
"traits": {
"smithy.api#documentation": " Details associated with the issuer of a license. "
}
},
"com.amazonaws.licensemanager#License": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " License name. "
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " License issuer. "
}
},

"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Home Region of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " License metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {

"smithy.api#documentation": " License
creation time. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#documentation": " Software license that is managed in License Manager. "
}
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
"type": "structure",
"members": {
"LicenseConfigurationId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Unique ID of the license configuration. "
}
},
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension to use to track the license inventory. "
}
},

"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Number of available licenses as a hard limit. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the license configuration. "
}
},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the license configuration's owner. "

}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for licenses consumed by various resources. "

```
            }
        },
        "ManagedResourceSummaryList": {
            "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
            "traits": {
                "smithy.api#documentation": "<p>Summaries for managed resources.</p>"
            }
        },
        "ProductInformationList": {
            "target": "com.amazonaws.licensemanager#ProductInformationList",
            "traits": {
                "smithy.api#documentation": "<p>Product information.</p>"
            }
        },
        "AutomatedDiscoveryInformation": {

            "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
            "traits": {
                "smithy.api#documentation": "<p>Automated discovery information.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>A license configuration is an abstraction of a customer license
agreement that can be\n        consumed and enforced by License Manager. Components include specifications for
the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n
Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n        must be associated with a
host), and the number of licenses purchased and used.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
    "type": "structure",
    "members": {
        "ResourceArn":
{
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
            }
        },
        "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Type of server resource.</p>"
            }
        },
        "ResourceOwnerId": {
            "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Time when the license configuration was associated with the resource. "
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an association with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
}
},
"com.amazonaws.licensemanager#LicenseConfigurationStatus": {
"type": "enum",
"members":
{
"AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISABLED"
}
}
}
},

"com.amazonaws.licensemanager#LicenseConfigurationUsage": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits":
{
"smithy.api#documentation": " Type of resource. "
}
},
"ResourceStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the usage of a resource associated with a license configuration. "
}
},

"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
}
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfiguration"
}
},
"com.amazonaws.licensemanager#LicenseConversionContext": {

"type": "structure",
"members": {
"UsageOperation": {
"target": "com.amazonaws.licensemanager#UsageOperation",
"traits": {
"smithy.api#documentation": " The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\n \n "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {

"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " The ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource associated with the license type\n conversion task. "
}
},
"SourceLicenseContext": {

"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted to. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " The status of the conversion task. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was started at. "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the usage operation value of the resource was changed. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was completed. "
}
}
},
"traits": {

"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
"type": "string",
"traits": {

"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
}
},
"com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
"type": "enum",
"members": {
"IN_PROGRESS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "IN_PROGRESS"
}
},
"SUCCEEDED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SUCCEEDED"
}
},
"FAILED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseConversionTasks":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConversionTask"
}
},
"com.amazonaws.licensemanager#LicenseCountingType": {
"type": "enum",
"members": {
"VCPU": {

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            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "vCPU"
            }
        },
        "INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Instance"
            }
        },
        "CORE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Core"
            }
        },
        "SOCKET": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Socket"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
    "type": "enum",
    "members": {
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#License"
    }
},
```

"com.amazonaws.licensemanager#LicenseOperationFailure": {

"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Resource type. "
}
},
"ErrorMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Error message. "
}
},
"FailureTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Failure time. "
}
},
"OperationName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the operation. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource. "
}
},
"OperationRequestedBy": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The requester is \"License Manager Automated Discovery\". "
}
},

"MetadataList": {

"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Reserved. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the failure of a license operation. "
}
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailure"
}
},
"com.amazonaws.licensemanager#LicenseSpecification": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Details for associating a license configuration with a resource. "
}
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseSpecification"
}
},

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"com.amazonaws.licensemanager#LicenseStatus": {
    "type": "enum",
    "members": {
        "AVAILABLE": {
            "target": "smithy.api#Unit",

        "traits": {
                "smithy.api#enumValue": "AVAILABLE"
            }
        },
        "PENDING_AVAILABLE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_AVAILABLE"
            }
        },
        "DEACTIVATED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DEACTIVATED"
            }
        },
        "SUSPENDED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SUSPENDED"
            }
        },
        "EXPIRED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EXPIRED"
            }
        },

      "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
```

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    },
    "com.amazonaws.licensemanager#LicenseUsage": {
        "type": "structure",
        "members": {
            "EntitlementUsages": {
                "target": "com.amazonaws.licensemanager#EntitlementUsageList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlement usages.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"

        }
    },
    "com.amazonaws.licensemanager#LicenseUsageException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "LicenseUsageFailure",
                "httpResponseCode": 412
            },
            "smithy.api#documentation": "<p>You do not have enough licenses available to support a new resource
launch.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 412
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
        },
        "output": {

    "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the resource associations for the
specified license configuration. \n Resource associations need not consume licenses from a license
configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules). "
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results
to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}

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        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurationAssociations": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the associations for the license
configuration.</p>"
                }
            },
            "NextToken": {

 "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrants": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
             },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
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            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
        "type": "structure",
        "members": {
            "GrantArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {

            "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseArn</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>GrantStatus</code>\n                </p>\n            </li>\n
    <li>\n                <p>\n                <code>GranteePrincipalARN</code>\n                </p>\n            </li>\n
<li>\n                <p>\n                <code>ProductSKU</code>\n                </p>\n            </li>\n            <li>\n
<p>\n                <code>LicenseIssuerName</code>\n
        </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
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        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
        "type": "structure",
        "members": {
            "Grants": {
                "target": "com.amazonaws.licensemanager#GrantList",

    "traits": {
                    "smithy.api#documentation": "<p>Distributed grant details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
        },
        "errors": [
            {

"target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
```

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        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
        "type": "structure",
        "members": {
            "LicenseOperationFailureList": {
                "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
                "traits": {
                    "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
```

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        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
        },

    "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configurations
 for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArns": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
                }
```

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            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next
 set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n                Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n                Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n
<p>\n                <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n                Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>.</p>\n
    </li>\n            <li>\n                <p>\n                <code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurations": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurations",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
```

```
      "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
    "type": "structure",
    "members": {
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
```

"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " \n Filters to scope the results. Valid filters are <code>ResourceArns</code> and <code>Status</code>.\n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
"type": "structure",
"members": {
"LicenseConversionTasks": {
"target": "com.amazonaws.licensemanager#LicenseConversionTasks",
"traits": {
"smithy.api#documentation": " Information about the license configuration tasks for your account. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
},
"errors": [

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseConfigurationArn</code>\n
</p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
```

"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits":
{
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
"type": "structure",
"members": {
"ReportGenerators": {
"target": "com.amazonaws.licensemanager#ReportGeneratorList",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}

}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

```
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an
associated license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {

        "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
        "type": "structure",
        "members": {
            "LicenseSpecifications": {
```

```
            "target": "com.amazonaws.licensemanager#LicenseSpecifications",
            "traits": {
                "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
    "members": {
```

```
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#LicenseList",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            },

"NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenses": {
        "type": "operation",
        "input": {
```

"target": "com.amazonaws.licensemanager#ListLicensesRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicensesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the licenses for your account. "
}
},
"com.amazonaws.licensemanager#ListLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>Beneficiary</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>Status</code>\n \n \n "
}

```
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token
for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicensesResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#LicenseList",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {

  "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrants": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
        },
```

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target":
"com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the received license. ",
"smithy.api#required": {}
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are
supported: \n
\n \n \n <code>ParentArn</code>\n \n \n
\n \n <code>GranteePrincipalArn</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}

```
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
{
        "type": "structure",
        "members": {
            "Grants": {
                "target": "com.amazonaws.licensemanager#GrantList",
                "traits": {
                    "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
        "type": "structure",
        "members": {
            "GrantArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                 "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>LicenseIssuerName</code>\n                </p>\n
</li>\n            <li>\n                <p>\n                <code>LicenseArn</code>\n                </p>\n            </li>\n
<li>\n                <p>\n                <code>GrantStatus</code>\n                </p>\n            </li>\n            <li>\n
<p>\n
        <code>GranterAccountId</code>\n                </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
```

```
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
    "type": "structure",
    "members": {
        "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
             "traits": {
                "smithy.api#documentation": "<p>Received grant details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists received licenses.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
```

```
            },
            {

        "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>Beneficiary</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n
            </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#GrantedLicenseList",
```

"traits": {
"smithy.api#documentation": " Lists the licenses the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>IssuerName</code>\n \n \n \n \n <code>Beneficiary</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}

```
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
    "type": "structure",
    "members": {
        "Licenses": {
            "target": "com.amazonaws.licensemanager#GrantedLicenseList",
            "traits": {
                "smithy.api#documentation": "<p>Received license details.</p>"
            }
        },

        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListResourceInventory": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FailedDependencyException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
        },
        {
```

"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists resources managed using Systems Manager inventory. "
}
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#InventoryFilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>account_id</code> - The ID of the Amazon Web Services account that owns the resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n
\n \n \n <code>application_name</code> - The name of the application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n
\n \n \n <code>license_included</code> - The type of license included. \n
Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
\n <code>platform</code> - The platform of the resource.\n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n \n \n \n
<code>resource_id</code> - The ID of the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n
<code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account). \n \n "

```
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListResourceInventoryResponse": {
        "type": "structure",
        "members": {
          "ResourceInventoryList": {
            "target": "com.amazonaws.licensemanager#ResourceInventoryList",
            "traits": {
              "smithy.api#documentation": "<p>Information
about the resources.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListTagsForResource": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
           },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
```

"errors":
[
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists your tokens. "
}
},
"com.amazonaws.licensemanager#ListTokensRequest": {
"type": "structure",
"members": {
"TokenIds": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " Token IDs. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filter is supported: \n
\n \n \n <code>LicenseArns</code>\n \n \n
"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",

"traits": {
"smithy.api#documentation":
" Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListTokensResponse": {
"type": "structure",
"members": {
"Tokens": {
"target": "com.amazonaws.licensemanager#TokenList",
"traits": {
"smithy.api#documentation": " Received token details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"

```
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
             {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying license\n        consumption details by resource at a selected point in time. Use this action to audit the\n        current license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
             "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>resourceArn</code> - The ARN of the license configuration resource.\n
            Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n
            <li>\n                <p>\n                <code>resourceType</code> - The resource type
```

(<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
"type": "structure",
"members": {

"LicenseConfigurationUsageList": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Location": {
"type": "string"
},
"com.amazonaws.licensemanager#Long": {
"type": "long"
},
"com.amazonaws.licensemanager#ManagedResourceSummary": {
"type": "structure",
"members": {
"ResourceType":
{
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of resource associated with a license. "
}

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        },
        "AssociationCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
    }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
    }
},
"com.amazonaws.licensemanager#MaxSize100": {

"type": "integer",
    "traits": {
        "smithy.api#range": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " The key name. "
}
},

"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The value. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes key/value pairs. "
}
},
"com.amazonaws.licensemanager#MetadataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Metadata"
}
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n

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</li>\n <li>\n <p>As a grantor, you can optionally specify an\n
<code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your
organization.</p>\n </li>\n <li>\n <p>As a grantee, if the grantor creating the distributed
grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one
when you\n are activating the grant.</p>\n </li>\n </ul>\n <dl>\n
<dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n <p>Use this value to activate a grant
without replacing any member accounts\n active grants for the same product.</p>\n </dd>\n
<dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n <p>Use this value to activate a
grant and disable other active grants in any\n member accounts
 for the same product. This action will also replace their\n previously activated grants with this activated
grant.</p>\n </dd>\n </dl>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The options you can specify when you create a new version of a grant,
such as activation\n override behavior. For more information, see <a
href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in
License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
      },
      "com.amazonaws.licensemanager#OrganizationConfiguration": {
        "type": "structure",
        "members": {
          "EnableIntegration": {
            "target": "com.amazonaws.licensemanager#Boolean",
            "traits": {
              "smithy.api#default": false,
              "smithy.api#documentation":
 "<p>Enables Organizations integration.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Configuration information for Organizations.</p>"
        }
      },
      "com.amazonaws.licensemanager#PrincipalArnList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#Arn"
        },
        "traits": {
          "smithy.api#length": {
            "min": 1,
            "max": 1
          }
```

}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Resource type. The possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a <code>ProductInformationFilterComparator</code> which is a logical operator, a <code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. \n The following filters and are supported when the resource type \n is <code>SSM_MANAGED</code>: \n \n \n \n <code>Application Name</code> - The name of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Publisher</code> - The publisher of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n \n \n \n \n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n \n \n <code>License Included</code> - The type of license included.\n Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are: <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n The following filters and logical operators are supported when the resource type\n is <code>RDS</code>: \n \n \n \n <code>Engine Edition</code> - The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>. \n \n \n \n <code>License Pack</code> - The license

pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n
<code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n
\n ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information for a license configuration. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
"type": "structure",
"members": {
"ProductInformationFilterName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Filter name. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterValue": {
"target": "com.amazonaws.licensemanager#StringList",

"traits": {
"smithy.api#documentation": " Filter value. "
}
},
"ProductInformationFilterComparator": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Logical operator. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information filters. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ProductInformationFilter"
}
},
"com.amazonaws.licensemanager#ProductInformationList": {

"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ProductInformation"
}
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
"type": "structure",
"members": {
"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the provisional configuration, in minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "RateLimitExceeded",
"httpResponseCode": 429
},
"smithy.api#documentation": " Too many requests have been submitted. Try again after a brief wait. ",
"smithy.api#error": "client",
"smithy.api#httpError": 429
}
},
"com.amazonaws.licensemanager#ReceivedMetadata": {
"type": "structure",
"members": {
"ReceivedStatus": {
"target": "com.amazonaws.licensemanager#ReceivedStatus",
"traits": {
"smithy.api#documentation": " Received status. "
}
},
"ReceivedStatusReason": {

"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Received
status reason. "
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations. "
}
}
},
"traits": {
"smithy.api#documentation": " Metadata associated with received licenses and grants. "
}
},
"com.amazonaws.licensemanager#ReceivedStatus": {
"type": "enum",
"members": {
"PENDING_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_WORKFLOW"
}
},
"PENDING_ACCEPT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"PENDING_ACCEPT"
}
},
"REJECTED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REJECTED"
}
},
"ACTIVE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ACTIVE"
}
},
"FAILED_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {

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            "smithy.api#enumValue": "FAILED_WORKFLOW"
          }
        },
        "DELETED": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "DELETED"
          }
        },
        "DISABLED": {
          "target": "smithy.api#Unit",
           "traits": {
            "smithy.api#enumValue": "DISABLED"
          }
        },
        "WORKFLOW_COMPLETED": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "WORKFLOW_COMPLETED"
          }
        }
      }
    },
    "com.amazonaws.licensemanager#RedirectException": {
      "type": "structure",
      "members": {
        "Location": {
          "target": "com.amazonaws.licensemanager#Location",
          "traits": {
            "smithy.api#httpHeader": "Location"
          }
        },
        "Message": {
          "target": "com.amazonaws.licensemanager#Message"
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
         "smithy.api#error": "client",
        "smithy.api#httpError": 308
      }
    },
    "com.amazonaws.licensemanager#RejectGrant": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#RejectGrantRequest"
      },
      "output": {
```

"target": "com.amazonaws.licensemanager#RejectGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Rejects the specified grant. "
}
},
"com.amazonaws.licensemanager#RejectGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}

}
},
"com.amazonaws.licensemanager#RejectGrantResponse": {
"type": "structure",

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        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
              "smithy.api#documentation": "<p>Grant status.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Grant version.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#RenewType":
{
        "type": "enum",
        "members": {
          "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "None"
            }
          },
          "WEEKLY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Weekly"
            }
          },
          "MONTHLY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Monthly"
            }
          }
        }
      },
```

"com.amazonaws.licensemanager#ReportContext": {
"type": "structure",
"members": {
"licenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "
}
},
"period": {
"target": "com.amazonaws.licensemanager#ReportFrequencyType",

"traits": {
"smithy.api#documentation": " Time period between each report. The period can be daily, weekly, or monthly. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
"type": "enum",
"members": {
"DAY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DAY"
}

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            },
            "WEEK": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WEEK"
                }
            },
            "MONTH": {
                "target": "smithy.api#Unit",
                "traits":
{
                    "smithy.api#enumValue": "MONTH"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#ReportGenerator": {
        "type": "structure",
        "members": {
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>"
                }
            },
            "ReportType": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports that are generated.</p>"
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
                    "smithy.api#documentation": "<p>License
configuration type for this generator.</p>"
                }
            },
            "ReportFrequency": {
                "target": "com.amazonaws.licensemanager#ReportFrequency",
                "traits": {
                    "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
                }
            },
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>"
```

```
            }
        },
        "LastRunStatus": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Status of the last report generation attempt.</p>"
            }
        },
        "LastRunFailureReason":
 {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
            }
        },
        "LastReportGenerationTime": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
            }
        },
        "ReportCreatorAccount": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report
generator.</p>"
            }
        },
        "Description": {
            "target": "com.amazonaws.licensemanager#String",

      "traits": {
                "smithy.api#documentation": "<p>Description of the report generator.</p>"
            }
        },
        "S3Location": {
            "target": "com.amazonaws.licensemanager#S3Location",
            "traits": {
                "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
            }
        },
        "CreateTime": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Time the report was created.</p>"
            }
        },
```

"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags associated with the report generator. "
}

}
},
"traits": {
"smithy.api#documentation": " Describe the details of a report generator. "
}
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ReportGenerator"
}
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}
}
},
"com.amazonaws.licensemanager#ReportType": {
"type": "enum",
"members": {
"LICENSE_CONFIGURATION_SUMMARY_REPORT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "LicenseConfigurationSummaryReport"
}

},
"LICENSE_CONFIGURATION_USAGE_REPORT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "LicenseConfigurationUsageReport"
}
}
}
},
"com.amazonaws.licensemanager#ReportTypeList": {
"type": "list",
"member": {

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            "target": "com.amazonaws.licensemanager#ReportType"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventory": {
        "type": "structure",
        "members": {
            "ResourceId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "Platform": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform of the resource.</p>"
                }
            },
            "PlatformVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
                }
            },
            "ResourceOwningAccountId":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a resource.</p>"
        }
```

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},
"com.amazonaws.licensemanager#ResourceInventoryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ResourceInventory"
    }
},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "ResourceLimitExceeded",

         "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
     "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
```

"smithy.api#enumValue": "EC2_INSTANCE"
}
},
"EC2_HOST": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_HOST"
}
},
"EC2_AMI": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_AMI"
}
},
"RDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "RDS"
}
},
"SYSTEMS_MANAGER_MANAGED_INSTANCE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
}
}
}
},
"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "

```
        }
    },
    "com.amazonaws.licensemanager#ServerInternalException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InternalError",
                "httpResponseCode": 500
            },
            "smithy.api#documentation": "<p>The server experienced an internal error. Try again.</p>",
            "smithy.api#error": "server",
            "smithy.api#httpError": 500
        }
    },
    "com.amazonaws.licensemanager#SignedToken": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 4096
            }
        }
    },
    "com.amazonaws.licensemanager#StatusReasonMessage": {
        "type": "string",
        "traits":
{
            "smithy.api#length": {
                "min": 0,
                "max": 400
            },
            "smithy.api#pattern": "^[\\s\\S]+$"
        }
    },
    "com.amazonaws.licensemanager#String": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#StringList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#Tag": {
```

"type": "structure",
"members": {
"Key": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Tag key. "
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation":
" Tag value. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about a tag for a license configuration. "
}
},
"com.amazonaws.licensemanager#TagKeyList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#String"
}
},
"com.amazonaws.licensemanager#TagList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Tag"
}
},
"com.amazonaws.licensemanager#TagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#TagResourceResponse"
},
"errors": [
{
"target":
"com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},

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            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>One or more tags.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
        "members": {
```

"TokenId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token ID. "
}
},
"TokenType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Type of token generated. The supported value is <code>REFRESH_TOKEN</code>. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"ExpirationTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Token expiration time, in ISO8601-UTC format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#TokenData"
}
},
"com.amazonaws.licensemanager#TokenString": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 4096
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#TokenType": {
"type": "enum",
"members": {
"REFRESH_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REFRESH_TOKEN"
}
}
}
},
"com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The digital signature method is unsupported. Try your request again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#UntagResource": {
"type": "operation",

"input": {
"target": "com.amazonaws.licensemanager#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Removes the specified tags from the specified license configuration. "
}
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanager#TagKeyList",
"traits": {
"smithy.api#documentation": " Keys identifying the tags to remove. ",
"smithy.api#required": {}
}
}
},
"traits": {

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            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UntagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
        },
        "output": {

"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
         }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"LicenseConfigurationStatus": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
"traits": {
"smithy.api#documentation": " New status of the license configuration. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " New license rule. The only rule that you can add after you create a license\n configuration is licenseAffinityToHost. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",

"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

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            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to update.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types are supported:</p>\n        <ul>\n            <li>\n                <p>License configuration report - Reports the number and details of consumed licenses for a license configuration.</p>\n            </li>\n            <li>\n                <p>Resource report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n            </li>\n        </ul>",
                    "smithy.api#required": {}
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
```

"smithy.api#documentation": " The report context. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },

            {
                "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
            },
            {
                "target": "com.amazonaws.licensemanager#LicenseUsageException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified
Amazon Web Services resource.</p>\n        <p>You can update the license specifications of AMIs, instances, and
hosts.\n        You cannot update the license specifications for launch templates and CloudFormation templates, \n
 as they send license configurations to the operation that creates the resource.</p>"
        }
    },

    "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services
resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "AddLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
                }
            },
```

"RemoveLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation":
" ARNs of the license configurations to remove. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Updates License Manager settings for the current Region. "
}
},

"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
Manager information is stored. "
}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Enables integration with Organizations for cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Activates cross-account discovery. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UsageOperation": {
"type": "string",
"traits": {
"smithy.api#length": {

```
                "min": 0,
                "max": 50
            }
        }
    },
    "com.amazonaws.licensemanager#ValidationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

     "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    }
  }
}
```

1.7372 aws-sdk-go-v2-service-sso 1.24.6

1.7372.1 Available under license :

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }
```

```
 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
```

```
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
```

```
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack,
```

```
c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err !=
nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
```

```
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
       uses: actions/checkout@v2
       with:
         path: new-ref
         fetch-depth: 0
     - name: Get Diff
       run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
     - name: Get Target Files
       run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
     - name: Checkout scancode
       uses: actions/checkout@v2
       with:
         repository: nexB/scancode-toolkit
         path: scancode-toolkit
         fetch-depth: 1
     - name: Set up Python ${{ matrix.python-version }}
        uses: actions/setup-python@v2
       with:
         python-version: ${{ matrix.python-version }}
     # ScanCode
     - name: Self-configure scancode
       working-directory: ./scancode-toolkit
       run: ./scancode --help
     - name: Run Scan code on target
       run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
```

```
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
    - name: Run Scan code on pr ref
      run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
```

```
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
 err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
```

```
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if
err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
```

```
 return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err
 != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
```

```
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {
```

```
 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack,
 options, "ListLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
```

```
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
 err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
```

```
 return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil
 {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "ListLicenses",
 }
}
{
  "smithy": "2.0",
  "shapes": {
      "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
          "type": "structure",
          "members": {
              "message": {
                  "target": "smithy.api#String"
              }
          },
          "traits": {
              "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
              "smithy.api#error": "client"
          }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
          "type": "structure",
          "members": {
              "DirectoryId": {
                  "target": "com.amazonaws.licensemanagerusersubscriptions#Directory",
                  "traits": {
                      "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
                  }
```

```
            },
            "ActiveDirectorySettings":
 {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings",
                "traits": {
                    "smithy.api#documentation": "<p>The <code>ActiveDirectorySettings</code> resource contains
details about \n\t\t\tthe Active Directory, including network access details such as domain name and IP
\n\t\t\taddresses, and the credential provider for user administration.</p>"
                }
            },
            "ActiveDirectoryType": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType",
                "traits": {
                    "smithy.api#documentation": "<p>The type of Active Directory  either a self-managed Active
Directory or an \n\t\t\tAmazon Web Services Managed Active Directory.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about an Active Directory identity
 provider.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings": {
        "type": "structure",
        "members": {
            "DomainName": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name for the Active Directory.</p>"
                }
            },
            "DomainIpv4List": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IpV4List",
                "traits": {
                    "smithy.api#documentation": "<p>A list of domain IPv4 addresses that are used for the Active
Directory.</p>",
                    "smithy.api#length": {
                        "min": 1,
                        "max": 2
                    }
                }
            },
            "DomainCredentialsProvider": {
                "target":
 "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
                "traits": {
                    "smithy.api#documentation": "<p>Points to the <code>CredentialsProvider</code> resource that
```

contains \n\t\t\tinformation about the credential provider for user administration. "
}
},
"DomainNetworkSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings",
"traits": {
"smithy.api#documentation": " The <code>DomainNetworkSettings</code> resource contains an array of \n\t\t\tsubnets that apply for the Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains network access and credential details that are needed for \n\t\t\tuser administration in the Active Directory. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "SELF_MANAGED",
"value": "SELF_MANAGED",
"documentation": "SELF_MANAGED type of Active Directory"
},
{
"name": "AWS_MANAGED",
"value": "AWS_MANAGED",
"documentation": "AWS_MANAGED type of Active Directory"
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#Arn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-zA-Z0-9-\\.]{1,510}/[a-zA-Z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
},
"output": {

"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Associates the user to an EC2 instance to utilize user-based subscriptions. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your\n\t\t\t\tmonthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http":
{
"code": 200,
"method": "POST",
"uri": "/user/AssociateUser"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider. ",

"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance that provides the user-based subscription. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The identity provider for the user. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains information for the user to associate. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply for the user association. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
},

"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request couldn't be completed because it conflicted with the current state of the\n\t\t\tresource. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},

{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},

```
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a network endpoint for the Remote Desktop Services (RDS) license server.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/license-server/CreateLicenseServerEndpoint"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest": {
        "type": "structure",
        "members": {
            "IdentityProviderArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the <code>IdentityProvider</code> resource that contains details \n\t\t\tabout a registered identity provider. In the case of Active Directory, that can be \n\t\t\ta self-managed Active Directory or an Amazon Web Services Managed Active Directory that contains user identity details.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseServerSettings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings",
                "traits": {
                    "smithy.api#documentation": "<p>The <code>LicenseServerSettings</code> resource to create for the endpoint. The \n\t\t\tsettings include the type of license server and the Secrets Manager secret that \n\t\t\tenables administrators to add or remove users associated with the \n\t\t\tlicense server.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The tags that apply for the license server endpoint.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
```

"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse": {
"type": "structure",
"members": {
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider specified in the request. "
}
},
"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The ARN of the <code>LicenseServerEndpoint</code> resource. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider": {
"type": "union",
"members": {
"SecretsManagerCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider",
"traits": {
"smithy.api#documentation": " Identifies the Secrets Manager secret that contains credentials needed for \n\t\t\tuser administration in the Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains information about the credential provider for user \n\t\t\tadministration. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse"

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        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

}
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes a <code>LicenseServerEndpoint</code> resource.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/license-server/DeleteLicenseServerEndpoint"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest": {
        "type": "structure",
        "members": {
            "LicenseServerEndpointArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the
<code>LicenseServerEndpoint</code> \n\t\t\tresource to delete.</p>",
                    "smithy.api#required": {}
                }
            },
            "ServerType": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
```

"traits": {
"smithy.api#documentation": " The type of License Server that the delete request refers to. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse": {
"type": "structure",
"members": {
"LicenseServerEndpoint": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint",
"traits": {
"smithy.api#documentation": " Shows details from the <code>LicenseServerEndpoint</code> resource that was deleted. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"

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            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deregisters the Active Directory identity provider from License
Manager user-based subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/DeregisterIdentityProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest":
 {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the Active Directory identity
provider.</p>"
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
                }
            },
            "IdentityProviderArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",

               "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the identity
provider to deregister.</p>"
                }
            }
        },
```

"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#Directory": {
"type": "string",
"traits": {
"smithy.api#pattern": "^(d|sd)-[0-9a-f]{10}$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},

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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/DisassociateUser"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest":
 {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the Active Directory identity provider for the
user.</p>"
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance which provides user-based
subscriptions.</p>"
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the Active Directory identity
provider.</p>"

                }
            },
            "InstanceUserArn": {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the user to disassociate from the EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains information for the user to disassociate. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings": {
"type": "structure",
"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " Contains a list of subnets that apply for the Active Directory domain. ",
"smithy.api#length": {
"min": 1
},
"smithy.api#required": {}

}
}

```
        },
        "traits": {
            "smithy.api#documentation": "<p>Contains network settings for the Active Directory domain.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Filter": {
        "type": "structure",
        "members": {
            "Attribute": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of an attribute to use as a filter.</p>"
                }
            },
            "Operation": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The type of search (For example, eq, geq, leq)</p>"
                }
            },
            "Value": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation":
 "<p>Value of the filter.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A filter name and value pair that is used to return more specific results
from a describe\n\t\t\tor list operation. You can use filters can be used to match a set of resources by specific
\n\t\t\tcriteria, such as tags, attributes, or IDs.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#FilterList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
        "type": "union",
        "members": {
            "ActiveDirectoryIdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
                "traits": {
```

"smithy.api#documentation": " The <code>ActiveDirectoryIdentityProvider</code> resource contains settings \n\t\t\tand other details about a specific Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation": " Refers to an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The <code>IdentityProvider</code> resource contains information about \n\t\t\tan identity provider. ",
"smithy.api#required": {}
}
},
"Settings": {

"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The <code>Settings</code> resource contains details about the registered \n\t\t\tidentity providers product related configuration settings, such as the \n\t\t\tsubnets to provision VPC endpoints. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the identity provider. ",

"smithy.api#required": {}
}
},
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {

"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider. "
}
},
"FailureMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The failure message associated with an identity provider. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of an EC2 instance resource. ",
"smithy.api#required": {}
}
},
"Products": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
"traits": {
"smithy.api#documentation": " A list of provided user-based subscription products. ",
"smithy.api#required": {}
}
},
"LastStatusCheckDate": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The date of the last status check. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for an EC2 instance. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {

"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance that provides user-based
subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {

"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The <code>IdentityProvider</code> resource specifies details
\n\t\t\tabout the identity provider. ",
"smithy.api#required": {}
}

```
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of a user associated with an EC2 instance.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceUserArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the instance
user.</p>"
                }

  },
            "StatusMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for users of an EC2 instance.</p>"
                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the  Active Directory that contains the user
information for the product subscription.</p>"
                }
            },
            "AssociationDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The date a user was associated with an EC2 instance.</p>"
                }
            },
            "DisassociationDate": {
                "target": "smithy.api#String",
                "traits": {

            "smithy.api#documentation": "<p>The date a user was disassociated from an EC2 instance.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes users of an EC2 instance providing user-based
subscriptions.</p>"
        }
    },
```

"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " An exception occurred with the service. ",
"smithy.api#error": "server",
"smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanagerusersubscriptions#IpV4": {
"type": "string",
"traits": {
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"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint"

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{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
},

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        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
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        "target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints"
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        "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
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    {

      "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource"
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    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
    },
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        "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
    },
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        "target": "com.amazonaws.licensemanagerusersubscriptions#TagResource"
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    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResource"
    },
    {
        "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
     }
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        "arnNamespace": "license-manager-user-subscriptions",
        "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
    },
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"aws.protocols#restJson1": {},
"smithy.api#cors": {
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"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id",
"content-length",
"x-api-key",

"authorization",
"x-amz-date",
"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
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"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n\t\ta per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
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"AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
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"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
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"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured
endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"Endpoint": {
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"type": "String"
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"argv": [
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"ref": "Region"

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                        ]
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"headers": {}
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"error": "FIPS is enabled but this partition does not support FIPS",
"type": "error"
}

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"type": "tree"

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        },
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          "argv": [
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              "fn": "getAttr",
              "argv": [
                {
                  "ref": "PartitionResult"
                },
                "supportsDualStack"
              ]
            }

]
        }
      ],
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            "properties": {},
            "headers": {}
          },
          "type": "endpoint"
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       "type": "tree"
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subscriptions.{Region}.{PartitionResult#dnsSuffix}",
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                    "headers": {}
                },
                "type": "endpoint"
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    "type": "error"
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            "expect": {
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                    "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
                }
            },
            "params": {
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                "UseFIPS": true,
                "UseDualStack": true
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"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
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"params": {
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"UseDualStack": false
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"params": {
"Region": "us-east-1",
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"UseDualStack": true
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"UseDualStack": false
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"params": {
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"params": {
"Region": "cn-north-1",
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}
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"expect": {
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"UseDualStack": false
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"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
"Region": "us-isob-east-1",
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"UseDualStack": true
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}
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"params": {
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"UseFIPS": false,
"UseDualStack": false
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"url": "https://example.com"
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
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"expect": {
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"params": {
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"Endpoint": "https://example.com"
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"UseDualStack": true,
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"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
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"version": "1.0"
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"com.amazonaws.licensemanagerusersubscriptions#LicenseServer": {
"type": "structure",
"members": {
"ProvisioningStatus": {
"target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
"traits": {
"smithy.api#documentation": " The current state of the provisioning process for the RDS
\n\t\t\tlicense server. "
}
},
"HealthStatus": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus",
"traits": {
"smithy.api#documentation": " The health status of the RDS license server. "
}
},
"Ipv4Address": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " A list of domain IPv4 addresses that are used for the RDS \n\t\t\tlicense server. "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a Remote Desktop Services (RDS) license server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint": {
"type": "structure",
"members": {
"IdentityProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider that's associated with \n\t\t\tthe RDS license server endpoint. "
}
},
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of license server. "
}
},
"ServerEndpoint": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint",
"traits": {
"smithy.api#documentation": " The <code>ServerEndpoint</code> resource contains the network \n\t\t\taddress of the RDS license server endpoint. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The message associated with the provisioning status, if there is one. "
}
},
"LicenseServerEndpointId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId",
"traits": {
"smithy.api#documentation": " The ID of the license server endpoint. "
}
},

"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation":
" The ARN of the <code>ServerEndpoint</code> resource for the RDS \n\t\t\tlicense server. "
}
},
"LicenseServerEndpointProvisioningStatus": {
"target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
"traits": {
"smithy.api#documentation": " The current state of the provisioning process for the RDS license \n\t\t\tserver endpoint "
}
},
"LicenseServers": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerList",
"traits": {
"smithy.api#documentation": " An array of <code>LicenseServer</code> resources that represent the \n\t\t\tlicense servers that are accessed through this endpoint. "
}
},
"CreationTime": {

"target": "smithy.api#Timestamp",
"traits": {
"smithy.api#documentation": " The timestamp when License Manager created the license server endpoint. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains details about a network endpoint for a Remote Desktop Services (RDS) \n\t\t\tlicense server. "
}
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"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId": {
"type": "string"
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"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint"
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"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus": {
"type": "string",
"traits":

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                    "name": "PROVISIONING",
                    "value": "PROVISIONING",
                    "documentation": ""
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                    "name": "PROVISIONING_FAILED",
                    "value": "PROVISIONING_FAILED",
                    "documentation": ""
                },
                {
                    "name": "PROVISIONED",
                    "value": "PROVISIONED",
                    "documentation": ""
                },
                {
                    "name": "DELETING",
                    "value": "DELETING",
                    "documentation": ""
                },
                {
                    "name": "DELETION_FAILED",
                    "value": "DELETION_FAILED",
                    "documentation": ""
                },
                {
                     "name": "DELETED",
                    "value": "DELETED",
                    "documentation": ""
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        }
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    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus": {
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        "traits": {
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                {
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                    "value": "HEALTHY",
                    "documentation": ""
                },
                {
                    "name": "UNHEALTHY",
                    "value": "UNHEALTHY",
                    "documentation": ""
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            },
            {
                "name": "NOT_APPLICABLE",
                "value": "NOT_APPLICABLE",
                "documentation": ""
            }
        ]
    }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerList":
{
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServer"
    }
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"com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings": {
    "type": "structure",
    "members": {
        "ServerType": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
            "traits": {
                "smithy.api#documentation": "<p>The type of license server.</p>",
                "smithy.api#required": {}
            }
        },
        "ServerSettings": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServerSettings",
            "traits": {
                "smithy.api#documentation": "<p>The <code>ServerSettings</code> resource contains the settings
for your \n\t\t\tserver.</p>",

        "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>The settings to configure your license server.</p>"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
    },
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"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Active Directory identity providers for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/ListIdentityProviders"
},

"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "IdentityProviderSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "

```
            }
          },
          "Filters": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
            "traits": {
              "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
    <ul>\n        <li>\n        <p>Product</p>\n        </li>\n        <li>\n        <p>DirectoryId</p>\n
  </li>\n      </ul>"
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse": {
        "type": "structure",
        "members": {
          "IdentityProviderSummaries": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
            "traits": {

        "smithy.api#documentation": "<p>An array of <code>IdentityProviderSummary</code> resources that
contain \n\t\t\tdetails about the Active Directory identity providers that meet the request criteria.</p>",
              "smithy.api#required": {}
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to retrieve additional objects.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
```

```
        "type": "operation",
        "input": {

"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/instance/ListInstances"
            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "InstanceSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
        "type": "structure",
```

"members": {
"MaxResults": {

"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Status \n \n \n InstanceId \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
"type": "structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
"traits": {
"smithy.api#documentation": " An array of <code>InstanceSummary</code> resources that contain details \n\t\t\tabout the instances that provide user-based subscriptions and also meet the \n\t\t\trequest criteria. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}

```
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>List the Remote Desktop Services (RDS) License Server endpoints
</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/license-server/ListLicenseServerEndpoints"
            },
            "smithy.api#paginated": {

            "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "LicenseServerEndpoints"
            }
```

```
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest": {
        "type": "structure",
        "members": {
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>",
                    "smithy.api#range": {
                        "min": 1,
                        "max": 100
                    }
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
                "traits":
 {
                    "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
<ul>\n            <li>\n              <p>IdentityProviderArn</p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse": {
        "type": "structure",
        "members": {
            "LicenseServerEndpoints": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList",
                 "traits": {
                    "smithy.api#documentation": "<p>An array of <code>LicenseServerEndpoint</code> resources that
\n\t\t\tcontain detailed information about the RDS License Servers that meet \n\t\t\tthe request criteria.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
```

"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the user-based subscription products available from an identity provider. ",
"smithy.api#http": {
"code": 200,

"method": "POST",
"uri": "/user/ListProductSubscriptions"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "ProductUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
"type":
"structure",
"members": {
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n
Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
"
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {

"smithy.api#documentation": " The maximum number of results to return from a single
request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n
\n \n Status \n \n \n Username \n
\n \n Domain \n \n "
}
},
"NextToken": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
"type": "structure",
"members": {
"ProductUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to
retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},

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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

        }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Returns the list of tags for the specified resource.</p>",
            "smithy.api#http": {
                "method": "GET",
                "uri": "/tags/{ResourceArn}"
            },
            "smithy.api#readonly": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource whose tags
you want to retrieve.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {

    "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The tags for the specified resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
```

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits":
{
            "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/ListUserAssociations"
            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "InstanceUserSummaries"
            }
        }
    },
```

"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Status \n \n \n Username \n \n \n Domain \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
"type": "structure",

"members": {
"InstanceUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list user association operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The user name from the identity provider for this product user. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The status of a product for this user. ",
"smithy.api#required": {}
}
},
"ProductUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) for this product user. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for a product for this user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory
that contains the user information for the product subscription. "
}
},
"SubscriptionStartDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The start date of a subscription. "
}
},
"SubscriptionEndDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The end date of a subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " A summary of the user-based subscription products for a specific
user. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"

```
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings": {
        "type": "structure",
        "members": {
            "RdsSalCredentialsProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
                "traits": {
                    "smithy.api#documentation": "<p>The <code>CredentialsProvider</code> resource contains a
reference to \n\t\t\tthe credentials provider that's used for RDS license server user administration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Server settings that are specific to a Remote Desktop Services (RDS)
license server.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
        "type":
 "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Registers an identity provider for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/RegisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider to register. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration \n\t\t\tsettings such as the subnets to provision VPC endpoints. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply to the identity provider's registration. "
}
}
},

"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,510})/([a-z0-9-\\.]{1,510})$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The resource couldn't be found. ",
"smithy.api#error": "client",
"smithy.api#httpError": 404
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider": {
"type": "structure",
"members": {
"SecretId": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The ID of the Secrets Manager secret that contains credentials. ",
"smithy.api#length": {
"min": 1
}
}
}
},
"traits": {
"smithy.api#documentation": " Contains a credentials secret that's stored in Secrets Manager. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 5,
"max": 200
},
"smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint": {
"type": "structure",
"members": {
"Endpoint": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The network address of the endpoint. "
}
}
},
"traits": {
"smithy.api#documentation": " A network endpoint through which you can access one or more servers. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServerSettings": {
"type": "union",
"members": {
"RdsSalSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings",
"traits": {
"smithy.api#documentation": " The <code>RdsSalSettings</code> resource contains settings to configure \n\t\t\ta specific Remote Desktop Services (RDS) license server. "
}
}
},

"traits": {
"smithy.api#documentation": " Contains settings for a specific server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServerType": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "RDS_SAL",
"value": "RDS_SAL",
"documentation": ""
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation":
" The request failed because a service quota is exceeded. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Settings": {
"type": "structure",
"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The subnets defined for the registered identity provider. ",
"smithy.api#length": {
"min": 1
},
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound
TCP port 1688 communication between resources in\n\t\t\tyour VPC and the VPC endpoint for activation
servers. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings such as the\n\t\t\tsubnets to provision VPC endpoints, and the security group ID that is associated with the VPC\n\t\t\tendpoints. The security group should permit inbound TCP port 1688 communication from resources\n\t\t\tin the VPC. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Starts a product subscription for a user with the specified identity provider. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your\n\t\t\t\tmonthly

charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StartProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
"type":
"structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n
Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code>
| <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains the user
for whom to start the product \n\t\t\tsubscription. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply to the product subscription. "
}

```
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse":
{
        "type": "structure",
        "members": {
            "ProductUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
        },

"errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
```

```
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],

    "traits": {
            "smithy.api#documentation": "<p>Stops a product subscription for a user with the specified identity
provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/StopProductSubscription"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>"
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An
 object that specifies details for the identity provider.</p>"
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
                }
            },
            "ProductUserArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the product user.</p>"
                }
```

```
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The
domain name of the  Active Directory that contains the user for whom to stop the product \n\t\t\tsubscription.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
        "type": "structure",
        "members": {
            "ProductUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StringList": {
        "type": "list",
         "member": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Subnet": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^subnet-[a-z0-9]{8,17}"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Subnets": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#TagKeyList": {
```

"type": "list",
"member": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#TagResource": {

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Adds tags to a resource. ",
"smithy.api#http": {
"method": "PUT",
"uri": "/tags/{ResourceArn}"
},

"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
"traits": {

"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource that you want to tag. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags to apply to the specified resource. ",
"smithy.api#required": {}
}
}
},
"traits":
{
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#Tags": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}

},
"traits": {
"smithy.api#documentation": " The request was denied because of request throttling. Retry the request. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#UntagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
}
],
"traits": {
"smithy.api#documentation": " Removes tags from a resource. ",
"smithy.api#http": {
"method": "DELETE",
"uri": "/tags/{ResourceArn}"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource that you want to remove tags from. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanagerusersubscriptions#TagKeyList",

"traits": {

"smithy.api#documentation": " The tag keys to remove from the resource. ",
"smithy.api#httpQuery": "tagKeys",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates additional product configuration settings for the registered identity\n\t\t\tprovider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",

"uri": "/identity-provider/UpdateIdentityProviderSettings"
},
"smithy.api#idempotent": {}

}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider"
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n
Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
"
}
},
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the
identity provider to update. "
}
},
"UpdateSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related
configuration settings. You can\n\t\t\tupdate any combination of settings in a single operation such as the: \n
\n \n Subnets which you want to add to provision VPC endpoints. \n \n
\n Subnets which you want to remove the VPC endpoints from. \n \n
\n Security group ID which permits traffic to the VPC endpoints. \n \n ",
"smithy.api#required": {}
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
"type": "structure",
"members": {

"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
"type": "structure",
"members": {
"AddSubnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets in which License Manager will create a VPC endpoint
for products that\n\t\t\trequire connectivity to activation servers. ",
"smithy.api#required": {}
}
},
"RemoveSubnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets to remove. ",
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688 communication between resources in\n\t\t\tyour VPC and the VPC endpoints for activation servers. "
}
}
},
"traits": {
"smithy.api#documentation":
" Updates the registered identity providers product related configuration settings such as\n\t\t\tthe subnets to provision VPC endpoints. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {

```
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A parameter is not valid.</p>",
            "smithy.api#error": "client"
        }
    }
  }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string
```

```
// Unique, case-sensitive identifier that you provide to ensure the idempotency of
// the request.
//
//
This member is required.
ClientToken *string

// Configuration for consumption of the license. Choose a provisional
// configuration for workloads running with continuous connectivity. Choose a
// borrow configuration for workloads with offline usage.
//
// This member is required.
ConsumptionConfiguration *types.ConsumptionConfiguration

// License entitlements.
//
// This member is required.
Entitlements []types.Entitlement

// Home Region for the license.
//
// This member is required.
HomeRegion *string

// License issuer.
//
// This member is required.
Issuer *types.Issuer

// License name.
//
// This member is required.
LicenseName *string

// Product name.
//
// This member is required.
ProductName *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// Date and time range during which the license is valid, in ISO8601-UTC format.
//
// This member is required.
Validity *types.DatetimeRange
```

```
 // Information about
 the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if
 err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
```

```
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err
= addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
```

```
 return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack);
 err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
```

```
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
```

```
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if
err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
```

```
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if
 err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
```

```
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
 }
}
ListLicenses
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
```

```
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
```

```
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err
 != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
```

```
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options);
 err != nil {
  return err
 }
 if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
```

```
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
CheckoutLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
```

GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
DisassociateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader

setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AssociateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper

```
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
```

```
// [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
//
// This member is required.
DigitalSignatureMethod types.DigitalSignatureMethod

// License entitlements. Partial checkouts are not supported.
//
// This member is required.
Entitlements []types.EntitlementData

// Amazon Resource Name (ARN) of the license. The license must use the borrow
// consumption configuration.
//
// This member is required.
LicenseArn *string

// Information about constraints.
CheckoutMetadata []types.Metadata

// Node ID.
NodeId *string

noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

// Information about constraints.
CheckoutMetadata []types.Metadata

// Allowed license entitlements.
EntitlementsAllowed
[]types.EntitlementData

// Date and time at which the license checkout expires.
Expiration *string

// Date and time at which the license checkout is issued.
IssuedAt *string

// Amazon Resource Name (ARN) of the license.
LicenseArn *string

// License consumption token.
LicenseConsumptionToken *string

// Node ID.
NodeId *string
```

```
 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
```

```
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
 err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
```

```
 if err = addDisableHTTPSMiddleware(stack, options);
 err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
CheckInLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
```

ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AWS SDK for Go
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Copyright 2014-2015 Stripe, Inc.
ListReceivedLicenses
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash

```
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {
```

```
 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err !=
 nil {
  return err
 }
```

```
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err
!= nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if
 err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
CreateLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
```

SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "shapes": {
      "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
          "type": "integer"
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
          "type": "long"
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
          "type": "operation",
          "input": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions \n\t\t\tregistered to your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/DeregisterSubscriptionProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the subscription provider resource to deregister. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {

"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of name to filter by. "
}
},
"Values": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " One or more values for the name to filter by. "
}
},
"Operator": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
"traits": {
"smithy.api#documentation": " An operator for filtering results. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
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"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"

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        },
        "errors": [
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                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
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            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
             },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Get details for a Bring Your Own License (BYOL) subscription that's
registered to your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/GetRegisteredSubscriptionProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation":
 "<p>The Amazon Resource Name (ARN) of the BYOL registration resource to get details for.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
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"smithy.api#documentation": " The Amazon Resource Name (ARN) for the BYOL registration resource specified in the request. "
}
},
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

"traits": {
"smithy.api#documentation": " The subscription provider for the BYOL registration resource specified \n\t\t\tin the request. "
}
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"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " The status of the Linux subscription provider access token from the last \n\t\t\tsuccessful subscription data request. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The detailed message from your subscription provider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time License Manager retrieved subscription details \n\t\t\tfrom your registered third-party Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#output": {}
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
"type": "operation",
"input": {

"target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
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"errors": [
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions service settings for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetServiceSettings"

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"smithy.api#idempotent": {}
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
"type": "structure",
"members": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " Lists
the settings defined for Linux subscriptions discovery. The settings include if\n Organizations integration has
been enabled, and which Regions data will be aggregated from. "
}

```
            },
            "Status": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
                "traits": {
                    "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
                }
            },
            "HomeRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                 "traits": {
                    "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
        "type": "structure",
        "members": {
            "AmiId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
                }
            },
            "InstanceID": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
                }
            },
            "InstanceType": {
                "target": "smithy.api#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>The instance type of the resource.</p>"
                }
            },
            "AccountID": {
                "target": "smithy.api#String",
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"traits": {
"smithy.api#documentation": " The account ID which owns the instance. "
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the instance. "
}
},
"Region": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},
"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the license subscription that the instance uses. "
}
},
"OsVersion": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The operating system software version that runs on your instance. "
}
},
"SubscriptionProviderCreateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp when you registered the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses. "
}
},
"SubscriptionProviderUpdateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that the instance synced with the registered \n\t\t\tthird-party Linux subscription provider. "
}
},
"DualSubscription": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Indicates that you have two different license subscriptions for \n\t\t\tthe same software on your instance. "
}
},
"RegisteredWithSubscriptionProvider": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " Indicates that your instance uses a BYOL license subscription from \n\t\t\ta third-party Linux subscription provider that you've registered with License Manager. "
}
}
},
"traits": {
"smithy.api#documentation": " Details discovered information about a running instance using Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {

"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation":
" An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
"type": "service",
"version": "2018-05-10",
"operations": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"

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        }
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    "traits": {
        "aws.api#service": {
            "sdkId": "License Manager Linux Subscriptions",
             "arnNamespace": "license-manager-linux-subscriptions",
            "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
        },
        "aws.auth#sigv4": {
            "name": "license-manager-linux-subscriptions"
        },
        "aws.protocols#restJson1": {},
        "smithy.api#cors": {
            "additionalAllowedHeaders": [
                "*",
                "content-type",
                "x-amz-content-sha256",
                "x-amz-user-agent",
                "x-amzn-platform-id",
                "x-amzn-trace-id"
            ],
            "additionalExposedHeaders": [
                "x-amzn-errortype",
                "x-amzn-requestid",
                "x-amzn-trace-id"
            ]
        },
        "smithy.api#documentation": "<p>With License Manager,
you can discover and track your commercial Linux subscriptions on running\n      Amazon EC2 instances.</p>",
        "smithy.api#title": "AWS License Manager Linux Subscriptions",
        "smithy.rules#endpointRuleSet": {
            "version": "1.0",
            "parameters": {
                "Region": {
                    "builtIn": "AWS::Region",
                    "required": false,
                    "documentation": "The AWS region used to dispatch the request.",
                    "type": "String"
                },
                "UseDualStack": {
                    "builtIn": "AWS::UseDualStack",
                    "required": true,
                    "default": false,
                    "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
                     "type": "Boolean"
                },
                "UseFIPS": {
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"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
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"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
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"conditions": [
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"fn": "booleanEquals",
"argv": [
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"ref": "UseFIPS"
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"type": "error"
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"conditions": [],
"rules": [
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                        "argv": [
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                                "ref": "UseDualStack"
                            },
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                    "type": "error"
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                            "ref": "Endpoint"
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                        "properties": {},
                        "headers": {}
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                    "type": "endpoint"
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            "type": "tree"

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                        "argv": [
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                                "ref": "Region"
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"argv": [
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"assign": "PartitionResult"
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"rules": [
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"argv": [
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"ref": "UseFIPS"
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"argv": [
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"ref": "UseDualStack"
},
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"argv": [
true,
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"fn": "getAttr",
"argv": [
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"ref": "PartitionResult"

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},
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        ]
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                "fn": "getAttr",
                "argv": [

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                    "ref": "PartitionResult"
                },
                "supportsDualStack"
                ]
            }
        ]
    }
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"rules": [
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        "conditions": [],

"rules": [
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                "conditions": [],
                "endpoint": {
                    "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                    "properties": {},
                    "headers": {}
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                "type": "endpoint"
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"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
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"headers": {}
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"type": "tree"
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"ref": "UseDualStack"
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"argv": [
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"type": "tree"
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"rules": [
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"conditions": [],
"endpoint": {
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"headers": {}

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"error": "Invalid Configuration: Missing Region",
"type": "error"
}
],
"type": "tree"
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},
"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"

}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
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"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
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"params": {
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"UseDualStack": false
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"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
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"params": {
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"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
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"url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{

"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
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"url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},
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"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{

"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",

"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
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"endpoint": {
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"params": {
"Region": "us-gov-east-1",
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}
},
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
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"params": {
"Region": "us-gov-east-1",
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"UseDualStack": true
}
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
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"endpoint": {
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}
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {

"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {

"Region": "us-iso-east-1",
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"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},
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"Region": "us-iso-east-1",
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"UseDualStack": false
}
},

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    "params": {
        "Region": "us-isob-east-1",
        "UseFIPS": true,
        "UseDualStack": true
    }
},
{
    "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
        }
    },
    "params": {
        "Region": "us-isob-east-1",
        "UseFIPS": true,
        "UseDualStack": false
    }
},
{
    "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
    "expect": {
        "error": "DualStack is enabled but this partition does not support DualStack"
    },
    "params": {
        "Region": "us-isob-east-1",
        "UseFIPS": false,
        "UseDualStack": true
    }
},
{

    "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
        }
    },
    "params": {
        "Region": "us-isob-east-1",
        "UseFIPS": false,
        "UseDualStack": false
    }
```

```
            },
            {
              "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://example.com"
                }

        },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
            },
            {
              "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
              "expect": {
                "endpoint": {
                  "url": "https://example.com"
                }
              },
              "params": {
                "UseFIPS": false,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
            },
            {

              "documentation": "For custom endpoint with fips enabled and dualstack disabled",
              "expect": {
                "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
            },
            {
              "documentation": "For custom endpoint with fips disabled and dualstack enabled",
              "expect": {
                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
              },
```

"params": {

"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled LinuxSubscriptionsDiscovery"

},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled LinuxSubscriptionsDiscovery"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
"type": "structure",
"members": {
"SourceRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Regions in which to discover data for Linux subscriptions. ",
"smithy.api#required": {}
}
},

"OrganizationIntegration": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
"traits": {
"smithy.api#documentation":
" Details if you have enabled resource discovery across your accounts in Organizations. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Lists the settings defined for discovering Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptionInstances"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Instances"
}

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":
{
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results by your
specified criteria. \n    \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the
\n    \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n
\t<code>Value</code>, such as <code>us-west</code>.</p>\n        <p>For each filter, you can specify one of the
following values for the <code>Name</code> key \n    \tto streamline results:</p>\n        <ul>\n            <li>\n
  <p>\n                <code>AccountID</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
    <code>AmiID</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>DualSubscription</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>InstanceID</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>InstanceType</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>ProductCode</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>Region</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>Status</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>UsageOperation</code>\n            </p>\n            </li>\n        </ul>\n        <p>For each filter, you can use
one of the following <code>Operator</code>
 values to \n  \t\tdefine the behavior of the filter:</p>\n        <ul>\n            <li>\n            <p>\n
<code>contains</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>equals</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>Notequal</code>\n            </p>\n            </li>\n        </ul>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to
 start paginating. This \n\tis the nextToken from a previously truncated response.</p>",
                    "smithy.api#length": {
                        "min": 1,
                        "max": 16384
                    }
                }
            }
        },
```

"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
"type": "structure",
"members": {
"Instances": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
"traits": {
"smithy.api#documentation": " An array that contains instance objects. "
}
},
"NextToken": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations. ",

"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptions"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",

"items": "Subscriptions"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't match a certain subscription's name. \n The valid names for this filter are: \n \n \n \n <code>Subscription</code>\n \n \n \n The
valid Operators for this filter are: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis
the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}

```
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
        "type": "structure",
        "members": {
          "Subscriptions": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
            "traits": {
              "smithy.api#documentation": "<p>An array that contains subscription objects.</p>"
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
             "traits": {
              "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
          }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>List Bring Your Own License (BYOL) subscription registration
resources for your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListRegisteredSubscriptionProviders"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "RegisteredSubscriptionProviders"
            }
        }

    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSources": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
                "traits": {
                    "smithy.api#documentation": "<p>To filter your results, specify which subscription providers to
return \n\t\t\tin the list.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>",
                    "smithy.api#range": {
                        "min": 1,
                        "max": 100
                    }
                }

  },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis the
nextToken from a previously truncated response.</p>"
                }
            }
        },
```

"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
"type": "structure",
"members": {
"RegisteredSubscriptionProviders": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
"traits": {
"smithy.api#documentation": " The list of BYOL registration resources that fit the criteria \n\t\t\tyou specified in the request. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],

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        "traits": {
            "smithy.api#documentation": "<p>List the metadata tags that are assigned to the \n\t\t\tspecified Amazon
Web Services resource.</p>",
            "smithy.api#http": {
                "method": "GET",
                "uri": "/tags/{resourceArn}"
            },
            "smithy.api#readonly": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                 "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource for which to
list metadata tags.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags for the requested resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
         }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "EQUAL",
                    "value": "Equal",
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"documentation": "Equal operator"
},
{
"name": "NOT_EQUAL",
"value": "NotEqual",
"documentation": "Not equal operator"
},
{
"name": "CONTAINS",
"value": "Contains",
"documentation": "Contains operator"
}
],
"smithy.api#length": {
"min": 1,
"max": 20
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled OrganizationIntegration"
},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled OrganizationIntegration"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
"type": "list",
"member": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"

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        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Register the supported third-party subscription provider for your Bring
Your Own License (BYOL) subscription.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/RegisterSubscriptionProvider"

            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation": "<p>The supported Linux subscription provider to register.</p>",
                    "smithy.api#required": {}
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the secret where you've
stored your subscription provider's access token. For \n\t\t\tRHEL subscriptions managed through the
Red Hat Subscription Manager (RHSM), the secret contains \n\t\t\tyour Red Hat Offline token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
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"traits": {
"smithy.api#documentation": " The metadata tags to assign to your registered Linux subscription provider \n\t\t\tresource. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " The Linux subscription provider that you registered. "
}
},
"SubscriptionProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " Indicates the status of the registration action for the Linux subscription provider \n\t\t\tthat you requested. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "

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            }
        },
        "SubscriptionProviderSource": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
            "traits": {
                "smithy.api#documentation": "<p>A supported third-party Linux subscription provider. License
Manager currently supports \n\t\t\tRed Hat subscriptions.</p>"
            }
        },
        "SecretArn": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
             "traits": {
                "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Secrets Manager secret
that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is
the offline token.</p>"
            }
        },
        "SubscriptionProviderStatus": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
            "traits": {
                "smithy.api#documentation": "<p>Indicates the status of your registered Linux subscription provider
access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions,
\n\t\t\tthis is the status of the offline token.</p>"
            }
        },
        "SubscriptionProviderStatusMessage": {
            "target": "smithy.api#String",
            "traits":
 {
                "smithy.api#documentation": "<p>A detailed message that's associated with your BYOL subscription
\n\t\t\tprovider token status.</p>"
            }
        },
        "LastSuccessfulDataRetrievalTime": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The timestamp from the last time that License Manager accessed
third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>A third-party provider for operating system (OS) platform software and
license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider,
License Manager can get subscription data from the registered provider.</p>"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
```

```
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Unable to find the requested Amazon Web Services resource.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-
\\.]{0,63}:secret:[^/]{1,1023}$"

    }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "InProgress",
                    "value": "InProgress",
                    "documentation": "InProgress status"
                },
                {
                    "name": "Completed",
                    "value": "Completed",
                    "documentation": "Completed status"
                },
                {
                    "name": "Successful",
                    "value": "Successful",
                    "documentation": "Successful status"
                },
                {
                    "name": "Failed",
                    "value": "Failed",
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```
                "documentation": "Failed status"
            }
        ]
    }
},

"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String",
        "traits": {
            "smithy.api#length": {
                "min": 1,
                "max": 100
            }
        }
    },
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 100
        },
        "smithy.api#uniqueItems": {}
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
    "type": "map",
    "key": {
        "target": "smithy.api#String"
    },
    "value": {
        "target": "smithy.api#String"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
    "type": "structure",
    "members": {
        "Name":
{
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The name of the subscription.</p>"
            }
        },
        "Type": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included
```

with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS. "
}
},
"InstanceCount": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
"traits": {
"smithy.api#documentation": " The total amount of running instances using this subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " An object which details a discovered Linux subscription. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
"type": "string",
"traits": {
"smithy.api#enum": [

{
"name": "RedHat",
"value": "RedHat",
"documentation": "RedHat subscription provider namespace"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
}

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "ACTIVE",
                    "value": "ACTIVE",
                    "documentation": "ACTIVE status"
                },
                {
                    "name": "INVALID",
                    "value": "INVALID",

"documentation": "INVALID status"
                },
                {
                    "name": "PENDING",
                    "value": "PENDING",
                    "documentation": "PENDING status"
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
        "type": "list",
        "member": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Add metadata tags to the specified Amazon Web Services
resource.</p>",
            "smithy.api#http": {
                "method": "PUT",
                "uri": "/tags/{resourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
        "type": "structure",
        "members":
 {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to which to add the specified \n\t\t\tmetadata tags.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags to assign to the Amazon Web Services resource.
Tags are \n\t\t\tformatted as key value pairs.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }

    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
        "type": "structure",
        "members": {},
```

```
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
        "value": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation":
"<p>The request was denied due to request throttling.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web
Services resource.</p>",
             "smithy.api#http": {
                "method": "DELETE",
                "uri": "/tags/{resourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
        "type": "structure",
        "members": {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to remove the metadata tags from.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "tagKeys": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
                "traits": {

            "smithy.api#documentation": "<p>A list of metadata tag keys to remove from the requested
\n\t\t\tresource.</p>",
                    "smithy.api#httpQuery": "tagKeys",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
        "type": "operation",
        "input": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"

},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates the service settings for Linux subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/UpdateServiceSettings"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Describes if the discovery of Linux subscriptions is enabled. ",
"smithy.api#required": {}
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. ",
"smithy.api#required": {}
}
},
"AllowUpdate": {
"target":

"smithy.api#Boolean",
"traits": {
"smithy.api#documentation": " Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}

},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}

```
            }
        },
        "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
            "type": "structure",
            "members": {
                "message": {
                    "target": "smithy.api#String"
                }
            },
            "traits": {
                "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
                "smithy.api#error": "client"
            }
        }
    }
}
```


GetLicense

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

spanInitializeEnd

Serialize stack step

spanBuildRequestStart

setOperationInput

ResolveEndpoint

OperationSerializer

Build stack step

ClientRequestID

ComputeContentLength

UserAgent

AddTimeOffsetMiddleware

RecursionDetection

spanBuildRequestEnd

Finalize stack step

ResolveAuthScheme

GetIdentity

ResolveEndpointV2

disableHTTPS

ComputePayloadHash

spanRetryLoop

Retry

RetryMetricsHeader

setLegacyContextSigningOptions

Signing

Deserialize stack step

AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckoutBorrowLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware

```
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType
```

```
 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
```

```
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack,
c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
```

```
 if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err !=
 nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
```

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DeleteLicense
Initialize stack step
spanInitializeStart

```
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
```

```
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
   - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}
```

```
type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
```

```
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err =
 addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
```

```
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err !=
nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region:       region,
 ServiceID:     ServiceID,
 OperationName: "ListReceivedLicenses",
}
}
{
  "smithy": "2.0",
  "metadata": {
      "suppressions": [
          {
              "id": "HttpMethodSemantics",
              "namespace": "*"
          },
          {
              "id": "HttpResponseCodeSemantics",
              "namespace": "*"
          },
          {
              "id": "PaginatedTrait",
              "namespace": "*"
          },
          {
              "id": "HttpHeaderTrait",
              "namespace": "*"
```

```
        },
        {
            "id": "HttpUriConflict",
            "namespace": "*"
        },
        {
            "id": "Service",
            "namespace": "*"
        }
    ]
},
"shapes": {
    "com.amazonaws.licensemanager#AWSLicenseManager": {
        "type": "service",
        "version": "2018-08-01",
        "operations": [
            {
                "target": "com.amazonaws.licensemanager#AcceptGrant"
            },

 {
                "target": "com.amazonaws.licensemanager#CheckInLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CheckoutLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateGrant"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateGrantVersion"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
             },
            {
```

"target": "com.amazonaws.licensemanager#CreateLicenseVersion"
},
{
"target": "com.amazonaws.licensemanager#CreateToken"
},
{
"target": "com.amazonaws.licensemanager#DeleteGrant"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicense"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#DeleteToken"
},
{
"target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

},
{
"target": "com.amazonaws.licensemanager#GetAccessToken"
},
{
"target": "com.amazonaws.licensemanager#GetGrant"
},
{
"target": "com.amazonaws.licensemanager#GetLicense"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseUsage"
},
{
"target": "com.amazonaws.licensemanager#GetServiceSettings"
},

{
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#ListDistributedGrants"
},
{
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
},
{
"target": "com.amazonaws.licensemanager#ListLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
},
{

"target": "com.amazonaws.licensemanager#ListLicenseVersions"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedGrants"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
},
{
"target": "com.amazonaws.licensemanager#ListResourceInventory"
},
{
"target": "com.amazonaws.licensemanager#ListTagsForResource"
},
{
"target": "com.amazonaws.licensemanager#ListTokens"

```
            },
            {
                "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
            },
            {
                "target": "com.amazonaws.licensemanager#RejectGrant"
            },
            {
                "target": "com.amazonaws.licensemanager#TagResource"
            },
            {
                "target": "com.amazonaws.licensemanager#UntagResource"
            },
            {
                "target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
            },
            {
                "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
            },
            {
                "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
            },
            {
                "target": "com.amazonaws.licensemanager#UpdateServiceSettings"
            }
        ],
        "traits": {
            "aws.api#service": {
                "sdkId": "License Manager",
                "arnNamespace": "license-manager",
                "cloudFormationName": "LicenseManager",
                "cloudTrailEventSource": "licensemanager.amazonaws.com",
                "endpointPrefix": "license-manager"
            },
            "aws.auth#sigv4": {
                "name": "license-manager"
            },
            "aws.protocols#awsJson1_1": {},
            "smithy.api#documentation": "<p>License Manager makes it easier to manage licenses from software
vendors across multiple \n        Amazon Web Services accounts and on-premises servers.</p>",
            "smithy.api#title": "AWS License Manager",
            "smithy.api#xmlNamespace": {
                "uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
            },
            "smithy.rules#endpointRuleSet": {
                "version": "1.0",
                "parameters": {
```

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            "Region": {
              "builtIn": "AWS::Region",
              "required": false,
              "documentation": "The AWS region used to dispatch the request.",
              "type": "String"
            },
            "UseDualStack": {
              "builtIn": "AWS::UseDualStack",
              "required": true,
              "default": false,
              "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
              "type": "Boolean"
            },
            "UseFIPS": {
              "builtIn": "AWS::UseFIPS",
              "required": true,
              "default": false,
              "documentation": "When true, send
 this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant
endpoint, dispatching the request will return an error.",
              "type": "Boolean"
            },
            "Endpoint": {
              "builtIn": "SDK::Endpoint",
              "required": false,
              "documentation": "Override the endpoint used to send this request",
              "type": "String"
            }
          },
          "rules": [
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              "conditions": [
                {
                  "fn": "isSet",
                  "argv": [
                    {
                      "ref": "Endpoint"
                    }
                  ]

              }
              ],
              "type": "tree",
              "rules": [
                {
                  "conditions": [
                    {
```

```
                "fn": "booleanEquals",
                "argv": [
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                    "ref": "UseFIPS"
                  },
                  true
                ]
              }
            ],
            "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
            "type": "error"
          },
          {

"conditions": [
              {
                "fn": "booleanEquals",
                "argv": [
                  {
                    "ref": "UseDualStack"
                  },
                  true
                ]
              }
            ],
            "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
            "type": "error"
          },
          {
            "conditions": [],
            "endpoint": {
              "url": {
                "ref": "Endpoint"
              },
              "properties": {},
              "headers": {}
            },
            "type": "endpoint"
          }
        ]
      },
      {
        "conditions": [
          {
            "fn": "isSet",
            "argv": [
              {
                "ref": "Region"
```

```
                    }
                ]
            }
        ],
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        "rules": [
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                "conditions": [
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                    "argv": [
                        {
                            "ref": "Region"
                        }
                    ],
                    "assign": "PartitionResult"
                    }
                ],
                "type": "tree",
                "rules": [
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                    "conditions": [
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                            "argv": [
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                                    "ref":
"UseFIPS"
                                },
                                true
                            ]
                        },
                        {
                            "fn": "booleanEquals",
                            "argv": [
                                {
                                    "ref": "UseDualStack"
                                },
                                true
                            ]
                        }
                    ],
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                    "rules": [
                        {
                         "conditions": [
                            {
                                "fn": "booleanEquals",
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"argv": [
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{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsFIPS"
]

}
]
},
{
"fn": "booleanEquals",
"argv": [
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{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},

"supportsDualStack"
]
}
]
}
],
"type": "tree",
"rules": [
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"conditions": [],
"endpoint": {
"url": "https://license-manager-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}

},
"type": "endpoint"
}
]
},
{
"conditions": [],

"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
]
},
{
"conditions": [
{
"fn": "booleanEquals",

"argv": [
{
"ref": "UseFIPS"
},
true
]
}
],
"type": "tree",
"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
true,

{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsFIPS"
]
}
]
}
],
"type": "tree",
"rules": [

{
"conditions": [],
"endpoint": {
"url": "https://license-manager-fips.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},

"headers": {}
},
"type": "endpoint"
}
]
},
{
"conditions": [],
"error": "FIPS is enabled but this
partition does not support FIPS",
"type": "error"
}
]
},
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseDualStack"
},
true
]
}
],
"type": "tree",
"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
true,
{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},

"supportsDualStack"
]
}
]
}
],
"type": "tree",

"rules": [
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"conditions": [],
"endpoint": {
"url": "https://license-
manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}

},
"type": "endpoint"
}
]
},
{
"conditions": [],
"error": "DualStack is enabled but this partition does not support DualStack",
"type": "error"
}
]
},
{
"conditions": [],
"endpoint": {
"url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
}
]
},
{
"conditions": [],
"error": "Invalid Configuration: Missing Region",
"type": "error"
}
]
},
"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint":

{
"url": "https://license-manager.af-south-1.amazonaws.com"
}
},
"params": {
"Region": "af-south-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-east-1.amazonaws.com"
}
},
"params": {
"Region": "ap-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-northeast-1.amazonaws.com"
}
},
"params": {
"Region": "ap-northeast-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-northeast-2.amazonaws.com"
}
},
"params": {
"Region": "ap-northeast-2",
"UseFIPS": false,
"UseDualStack": false
}

```
        },
        {
          "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-northeast-3.amazonaws.com"
            }
          },
          "params": {
            "Region": "ap-northeast-3",
            "UseFIPS": false,
            "UseDualStack": false
          }

    },
        {
          "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-south-1.amazonaws.com"
            }
          },
          "params": {
            "Region": "ap-south-1",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
        {
          "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-southeast-1.amazonaws.com"

     }
          },
          "params": {
            "Region": "ap-southeast-1",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
        {
          "documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-southeast-2.amazonaws.com"
            }
```

```
            },
            "params": {
                "Region": "ap-southeast-2",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {

"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-southeast-3.amazonaws.com"
                }
            },
            "params": {
                "Region": "ap-southeast-3",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ca-central-1.amazonaws.com"
                }
            },

         "params": {
                "Region": "ca-central-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.eu-central-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "eu-central-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
```

{
"documentation": "For region eu-north-1 with FIPS
disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-north-1.amazonaws.com"
}
},
"params": {
"Region": "eu-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-south-1.amazonaws.com"
}
},
"params": {
"Region":
"eu-south-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-west-1.amazonaws.com"
}
},
"params": {
"Region": "eu-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
"expect": {

"endpoint": {
"url": "https://license-manager.eu-west-2.amazonaws.com"
}

```
        },
        "params": {
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          "UseFIPS": false,
          "UseDualStack": false
        }
      },
      {
        "documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.eu-west-3.amazonaws.com"
          }
        },
        "params": {
          "Region": "eu-west-3",
          "UseFIPS": false,

"UseDualStack": false
        }
      },
      {
        "documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.me-south-1.amazonaws.com"
          }
        },
        "params": {
          "Region": "me-south-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
      },
      {
        "documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.sa-east-1.amazonaws.com"
           }
        },
        "params": {
          "Region": "sa-east-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
      },
      {
```

"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}

},
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-east-2.amazonaws.com"
}

},
"params": {
"Region": "us-east-2",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-2.amazonaws.com"
}
},
"params": {

"Region": "us-east-2",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region
us-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-west-1.amazonaws.com"
}
},
"params": {

"Region": "us-west-1",
"UseFIPS": true,
"UseDualStack": false
}
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{
"documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-west-2.amazonaws.com"
}
},
"params": {
"Region": "us-west-2",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",

"expect": {
"endpoint": {
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}
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"params": {
"Region": "us-west-2",
"UseFIPS": true,
"UseDualStack": false
}
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{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,

"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
}
},
"params": {

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            "Region": "cn-north-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
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        "documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
            }
        },
        "params": {
            "Region": "cn-northwest-1",
            "UseFIPS": false,
            "UseDualStack": false

}
    },
    {
        "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
            }
        },
        "params": {
            "Region": "cn-north-1",
            "UseFIPS": true,
            "UseDualStack": true
        }
    },
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        "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
             }
        },
        "params": {
            "Region": "cn-north-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
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        "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
        "expect": {
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            "endpoint": {
                "url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
            }
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        "params": {
            "Region": "cn-north-1",
            "UseFIPS": false,
            "UseDualStack": true
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{
        "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-gov-east-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
            }
         },
        "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-gov-west-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "us-gov-west-1",
            "UseFIPS": false,
            "UseDualStack": false
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                }
            },
            {
                "documentation":
"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
                    }
                },
                "params": {
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                    "UseFIPS": true,
                    "UseDualStack": false
                }
            },
            {
                "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager-fips.us-gov-east-1.api.aws"
                    }
                },

    "params": {
                    "Region": "us-gov-east-1",
                    "UseFIPS": true,
                    "UseDualStack": true
                }
            },
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                "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager.us-gov-east-1.api.aws"
                    }
                },
                "params": {
                    "Region": "us-gov-east-1",
                    "UseFIPS": false,
                    "UseDualStack": true
                }
            },
            {
                "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
                "expect": {
                    "endpoint": {
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"url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled
but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {

"endpoint": {
"url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},

{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
}
},

"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,

"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {

"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
"output": {
"target": "com.amazonaws.licensemanager#AcceptGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"

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    }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant
ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
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"com.amazonaws.licensemanager#AccessDeniedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
"httpResponseCode": 401
},
"smithy.api#documentation": " Access to resource denied. ",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
"type": "enum",
"members": {
"DISTRIBUTED_GRANTS_ONLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
}
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperation": {

"type": "enum",
"members": {
"CREATE_GRANT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateGrant"
}
},
"CHECKOUT_LICENSE": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "CheckoutLicense"
}
},
"CHECKOUT_BORROW_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutBorrowLicense"
}
},
"CHECK_IN_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckInLicense"
}
},
"EXTEND_CONSUMPTION_LICENSE":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ExtendConsumptionLicense"
}
},
"LIST_PURCHASED_LICENSES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ListPurchasedLicenses"
}
},
"CREATE_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateToken"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperationList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#AllowedOperation"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max":
7
}
}

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    },
    "com.amazonaws.licensemanager#Arn": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 2048
            },
            "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-
z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
        }
    },
    "com.amazonaws.licensemanager#ArnList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Arn"
        }
    },
    "com.amazonaws.licensemanager#AuthorizationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError":
 {
                "code": "AuthorizationFailure",
                "httpResponseCode": 403
            },
            "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to
perform the action. Check the IAM\n        policy associated with this account.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 403
        }
    },
    "com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
        "type": "structure",
        "members": {
            "LastRunTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
                }
            }
        },
        "traits": {
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"smithy.api#documentation": " Describes automated discovery. "
}
},

"com.amazonaws.licensemanager#Boolean": {
"type": "boolean",
"traits": {
"smithy.api#default": false
}
},
"com.amazonaws.licensemanager#BorrowConfiguration": {
"type": "structure",
"members": {
"AllowEarlyCheckIn": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether early check-ins are allowed. ",
"smithy.api#required": {}
}
},
"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the borrow configuration, in minutes. ",
"smithy.api#required": {}
}
}

},
"traits": {
"smithy.api#documentation": " Details about a borrow configuration. "
}
},
"com.amazonaws.licensemanager#BoxBoolean": {
"type": "boolean"
},
"com.amazonaws.licensemanager#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanager#BoxLong": {
"type": "long"
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"com.amazonaws.licensemanager#CheckInLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks in the specified license. Check in a license when it is no longer in use. "
}
},
"com.amazonaws.licensemanager#CheckInLicenseRequest":
{
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " License beneficiary. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckInLicenseResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{
"target":
"com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{

"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license for offline use. "
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
"type": "structure",
"members":
{
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The license must use the borrow consumption configuration. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. Partial checkouts are not supported. ",
"smithy.api#required": {}
}
},
"DigitalSignatureMethod": {
"target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
"traits": {
"smithy.api#documentation": " Digital signature method. The possible value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see RFC 7518 Digital Signature with RSASSA-PSS. ",
"smithy.api#required": {}
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "

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            }
          },
          "CheckoutMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
              "smithy.api#documentation": "<p>Information about constraints.</p>"
            }
          },
          "ClientToken": {
            "target": "com.amazonaws.licensemanager#ClientToken",
            "traits": {
              "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
          },
          "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>License consumption token.</p>"
            }
          },
          "EntitlementsAllowed":
{
            "target": "com.amazonaws.licensemanager#EntitlementDataList",
            "traits": {
              "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
            }
          },
          "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Node ID.</p>"
            }
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            },
            "SignedToken": {
                "target": "com.amazonaws.licensemanager#SignedToken",
                "traits": {
                    "smithy.api#documentation": "<p>Signed token.</p>"
                }
            },
            "IssuedAt": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
                }
            },
            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target":
 "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license.</p>\n        <note>\n            <p>If the
 account that created the license is the same that is performing the check out, you must\n            specify the account
 as the beneficiary.</p>\n        </note>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicenseRequest": {
        "type": "structure",
        "members": {
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product
 SKU.</p>",
                    "smithy.api#required": {}
                }
            },
            "CheckoutType": {
                "target": "com.amazonaws.licensemanager#CheckoutType",
                "traits": {
                    "smithy.api#documentation": "<p>Checkout type.</p>",
                    "smithy.api#required": {}
                }
            },
```

"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Key fingerprint identifying the license. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
"type": "structure",
"members": {
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. "

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            }
        },
        "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License consumption token.</p>"
            }
        },
        "EntitlementsAllowed": {
            "target": "com.amazonaws.licensemanager#EntitlementDataList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
            }
        },
         "SignedToken": {
            "target": "com.amazonaws.licensemanager#SignedToken",
            "traits": {
                "smithy.api#documentation": "<p>Signed token.</p>"
            }
        },
        "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
            }
        },
        "IssuedAt": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
            }
        },
        "Expiration": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
            }
        },
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
```

```
    }
},
"com.amazonaws.licensemanager#CheckoutType": {
    "type": "enum",
    "members": {
        "PROVISIONAL": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PROVISIONAL"
            }
        },
        "PERPETUAL": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PERPETUAL"
            }
        }
    }
},
"com.amazonaws.licensemanager#ClientRequestToken": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 36
        }
    }
},
"com.amazonaws.licensemanager#ClientToken": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 2048
        },
        "smithy.api#pattern": "^\\S+$"
    }
},
"com.amazonaws.licensemanager#ConflictException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "ConflictException",
```

"httpResponseCode":
409
},
"smithy.api#documentation": " There was a conflict processing the request. Try your request again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 409
}
},
"com.amazonaws.licensemanager#ConsumedLicenseSummary": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Resource type of the resource consuming a license. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},

"traits": {
"smithy.api#documentation": " Details about license consumption. "
}
},
"com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
}
},
"com.amazonaws.licensemanager#ConsumptionConfiguration": {
"type": "structure",
"members": {
"RenewType": {
"target": "com.amazonaws.licensemanager#RenewType",
"traits": {
"smithy.api#documentation": " Renewal frequency. "
}
},
"ProvisionalConfiguration": {
"target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
"traits": {

"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"BorrowConfiguration": {
"target": "com.amazonaws.licensemanager#BorrowConfiguration",
"traits": {
"smithy.api#documentation": " Details about a borrow configuration. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about a consumption configuration. "
}
},
"com.amazonaws.licensemanager#CreateGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a grant for the specified license. A grant shares the use of

license\n entitlements with a specific Amazon Web Services account, an organization, or an\n organizational unit (OU). For more
information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#CreateGrantRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}

}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Principals": {
"target": "com.amazonaws.licensemanager#PrincipalArnList",
"traits": {
"smithy.api#documentation": " The grant principals. You can specify one of the following as an Amazon Resource Name\n (ARN): \n \n \n An Amazon Web Services account, which includes only the account specified. \n \n \n \n \n An organizational unit (OU), which includes all accounts in the OU. \n \n \n \n
\n An organization, which will include all accounts across your organization. \n \n ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

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                "smithy.api#documentation": "<p>Home Region of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "AllowedOperations": {
            "target": "com.amazonaws.licensemanager#AllowedOperationList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersion":
{
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
```

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        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
             },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information,
see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",

  "smithy.api#required": {}
                }
            },
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
```

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            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
            "smithy.api#required": {}
          }
        },
        "GrantName": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Grant name.</p>"
          }
        },
        "AllowedOperations": {
          "target": "com.amazonaws.licensemanager#AllowedOperationList",
          "traits": {
            "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
          }
        },
        "Status": {
          "target": "com.amazonaws.licensemanager#GrantStatus",
           "traits": {
            "smithy.api#documentation": "<p>Grant status.</p>"
          }
        },
        "StatusReason": {
          "target": "com.amazonaws.licensemanager#StatusReasonMessage",
          "traits": {
            "smithy.api#documentation": "<p>Grant status reason.</p>"
          }
        },
        "SourceVersion": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Current version of the grant.</p>"
          }
        },
        "Options": {
          "target": "com.amazonaws.licensemanager#Options",
          "traits": {
            "smithy.api#documentation": "<p>The options specified for the grant.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionResponse": {
      "type": "structure",
      "members": {
```

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            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>New version of the grant.</p>"
                }
            }
        },
        "traits":
{
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager. Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or
 all of these), license affinity  to host (how long a \n        license must be associated with a host), and the number of licenses purchased and used.</p>"
        }
```

```
    },
    "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
      "type": "structure",
      "members": {
        "Name": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Name of the license configuration.</p>",
            "smithy.api#required": {}
          }
        },
        "Description": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Description of the license configuration.</p>"
          }
        },
        "LicenseCountingType": {
          "target": "com.amazonaws.licensemanager#LicenseCountingType",
           "traits": {
            "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
            "smithy.api#required": {}
          }
        },
        "LicenseCount": {
          "target": "com.amazonaws.licensemanager#BoxLong",
          "traits": {
            "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
          }
        },
        "LicenseCountHardLimit": {
          "target": "com.amazonaws.licensemanager#BoxBoolean",
          "traits": {
            "smithy.api#documentation": "<p>Indicates whether hard or soft license enforcement is used.
Exceeding a hard limit\n        blocks the launch of new instances.</p>"
          }
        },
        "LicenseRules": {
          "target":
 "com.amazonaws.licensemanager#StringList",
          "traits": {
            "smithy.api#documentation": "<p>License rules. The syntax is #name=value (for example,
#allowedTenancy=EC2-DedicatedHost). The available rules \n        vary by dimension, as follows.</p>\n
<ul>\n        <li>\n        <p>\n        <code>Cores</code> dimension: <code>allowedTenancy</code> |\n
        <code>licenseAffinityToHost</code> |\n        <code>maximumCores</code> |
<code>minimumCores</code>\n        </p>\n        </li>\n        <li>\n        <p>\n
<code>Instances</code> dimension: <code>allowedTenancy</code> | \n        <code>maximumCores</code> |
<code>minimumCores</code> |\n        <code>maximumSockets</code> | <code>minimumSockets</code> |\n
```

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        <code>maximumVcpus</code> | <code>minimumVcpus</code>\n            </p>\n          </li>\n
<li>\n
  <p>\n                <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n
<code>licenseAffinityToHost</code> |\n            <code>maximumSockets</code> |
<code>minimumSockets</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n
<code>honorVcpuOptimization</code> | \n            <code>maximumVcpus</code> |
<code>minimumVcpus</code>\n            </p>\n          </li>\n        </ul>\n        <p>The unit for
<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n        values for
<code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n
<code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n
<code>True</code> and <code>False</code>.</p>"
            }
          },

  "Tags": {
            "target": "com.amazonaws.licensemanager#TagList",
            "traits": {
              "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
            }
          },
          "DisassociateWhenNotFound": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
              "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
            }
          },
          "ProductInformationList": {
            "target": "com.amazonaws.licensemanager#ProductInformationList",
            "traits": {
              "smithy.api#documentation": "<p>Product information.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
 {
        "type": "structure",
        "members": {
          "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
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            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
             },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {

                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting
the license type for.</p>",
                    "smithy.api#required": {}
```

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            }
          },
          "SourceLicenseContext": {
            "target": "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
              "smithy.api#documentation": "<p>Information that identifies the license type you are converting
from. \n\n        For the structure of the source license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
              "smithy.api#required": {}
            }
          },
          "DestinationLicenseContext":
 {
            "target": "com.amazonaws.licensemanager#LicenseConversionContext",
            "traits": {
              "smithy.api#documentation": "<p>Information that identifies the license type you are converting to.
For the structure of the destination license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
        "type": "structure",
        "members": {
          "LicenseConversionTaskId": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

       "traits": {
              "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
        },
```

```
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
             },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "ReportGeneratorName":
{
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types an be
```

generated: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}

}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}

```
    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
      "type": "structure",
      "members": {
        "LicenseManagerReportGeneratorArn":
{
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the new report
generator.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#CreateLicenseRequest": {
      "type": "structure",
      "members": {
        "LicenseName": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>License name.</p>",
            "smithy.api#required": {}
          }
        },
        "ProductName": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Product
name.</p>",
            "smithy.api#required": {}
          }
        },
        "ProductSKU": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Product SKU.</p>",
            "smithy.api#required": {}
          }
        },
        "Issuer": {
          "target": "com.amazonaws.licensemanager#Issuer",
          "traits": {
            "smithy.api#documentation": "<p>License issuer.</p>",
            "smithy.api#required": {}
          }
```

```
            },
            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region for the license.</p>",
                    "smithy.api#required": {}

    }
            },
            "Validity": {
                "target": "com.amazonaws.licensemanager#DatetimeRange",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>",
                    "smithy.api#required": {}
                }
             },
            "ConsumptionConfiguration": {
                "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n          running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n          usage.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
```

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                "traits": {
                    "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>"
                }
            },
            "Version": {
                 "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersion": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
             },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target":
"com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits":
{
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the license. ",
"smithy.api#required": {}
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}

```
            },

  "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>",
                    "smithy.api#required": {}
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the license.</p>"
                }
            }
        },
        "traits": {

 "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>License ARN.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>New version of the license.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>"
```

```
            }
          }
        },
        "traits": {
          "smithy.api#output":
{}
        }
      },
      "com.amazonaws.licensemanager#CreateToken": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#CreateTokenRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#CreateTokenResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#RedirectException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
          },

      {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n        <p>A refresh token is a JWT
token used to get an access token. With an access token,\n        you can call AssumeRoleWithWebIdentity to get
role credentials that you can use to \n        call License Manager to manage the specified license.</p>"
        }
```

```
    },
    "com.amazonaws.licensemanager#CreateTokenRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is
mapped to the aud claim of the\n         JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "RoleArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the
token. \n         License Manager does not check whether the roles are in use.</p>"
                }
            },
            "ExpirationInDays": {
                "target": "com.amazonaws.licensemanager#Integer",
                "traits": {
                    "smithy.api#documentation": "<p>Token expiration, in days, counted from token creation. The
default is 365 days.</p>"
                }
            },
            "TokenProperties": {
                 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Data specified by the caller to be included in the JWT token. The
data is mapped\n         to the amr claim of the JWT token.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateTokenResponse": {
        "type": "structure",
```

```
    "members": {
      "TokenId": {
        "target": "com.amazonaws.licensemanager#String",

       "traits": {
          "smithy.api#documentation": "<p>Token ID.</p>"
        }
      },
      "TokenType": {
        "target": "com.amazonaws.licensemanager#TokenType",
        "traits": {
          "smithy.api#documentation": "<p>Token type.</p>"
        }
      },
      "Token": {
        "target": "com.amazonaws.licensemanager#TokenString",
        "traits": {
          "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
  },
  "com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
      "Begin": {
         "target": "com.amazonaws.licensemanager#ISO8601DateTime",
        "traits": {
          "smithy.api#documentation": "<p>Start of the time range.</p>",
          "smithy.api#required": {}
        }
      },
      "End": {
        "target": "com.amazonaws.licensemanager#ISO8601DateTime",
        "traits": {
          "smithy.api#documentation": "<p>End of the time range.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
```

```
    },
    "com.amazonaws.licensemanager#DeleteGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "StatusReason": {
```

"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " The Status reason for the delete request. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the
grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation":
" Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicense": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"

```
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n        <p>You cannot
delete a license configuration that is in use.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
        "type": "structure",
        "members":
 {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
        },
        "output": {
```

"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified report generator. \n This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator to be deleted. ",
"smithy.api#required": {}
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the license. ",
"smithy.api#required":
{}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseResponse": {
"type": "structure",
"members": {
"Status": {
"target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"DeletionDate": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date when the license is deleted. "
}
}

```
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteToken": {
        "type": "operation",
         "input": {
            "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },

    {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenRequest": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

```
                "smithy.api#documentation": "<p>Token ID.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#DeleteTokenResponse": {
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#output": {}

  }
},
"com.amazonaws.licensemanager#DigitalSignatureMethod": {
    "type": "enum",
    "members": {
        "JWT_PS384": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "JWT_PS384"
            }
        }
    }
},
"com.amazonaws.licensemanager#Entitlement": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement name.</p>",
                "smithy.api#required": {}
            }
        },
        "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement resource. Use only
if the unit is None.</p>"
            }
        },
        "MaxCount": {
            "target": "com.amazonaws.licensemanager#Long",
            "traits": {
```

"smithy.api#documentation": " Maximum entitlement count. Use if the unit is not None. "
}
},
"Overage": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether overages are allowed. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementUnit",
"traits": {
"smithy.api#documentation": " Entitlement unit. ",
"smithy.api#required": {}
}
},
"AllowCheckIn": {
"target":
"com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether check-ins are allowed. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a resource entitled for use with a license. "
}
},
"com.amazonaws.licensemanager#EntitlementData": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement data name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement
data value. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementDataUnit",
"traits": {

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                "smithy.api#documentation": "<p>Entitlement data unit.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
    }
},
"com.amazonaws.licensemanager#EntitlementDataList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#EntitlementData"
    }
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
    "type": "enum",
    "members": {
        "COUNT": {
            "target": "smithy.api#Unit",
            "traits": {

"smithy.api#enumValue": "Count"
            }
        },
        "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "None"
            }
        },
        "SECONDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Seconds"
            }
        },
        "MICROSECONDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Microseconds"
            }
        },
        "MILLISECONDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Milliseconds"
            }
```

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        },
        "BYTES": {
          "target": "smithy.api#Unit",
           "traits": {
             "smithy.api#enumValue": "Bytes"
          }
        },
        "KILOBYTES": {
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Kilobytes"
          }
        },
        "MEGABYTES": {
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Megabytes"
          }
        },
        "GIGABYTES": {
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Gigabytes"
          }
        },
        "TERABYTES": {
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Terabytes"
          }
        },
        "BITS":
{
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Bits"
          }
        },
        "KILOBITS": {
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Kilobits"
          }
        },
        "MEGABITS": {
          "target": "smithy.api#Unit",
          "traits": {
             "smithy.api#enumValue": "Megabits"
```

```
            }
        },
        "GIGABITS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Gigabits"
            }
        },
        "TERABITS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabits"

    }
        },
        "PERCENT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Percent"
            }
        },
        "BYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Bytes/Second"
            }
        },
        "KILOBYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobytes/Second"
            }
        },
        "MEGABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Megabytes/Second"
            }
        },
        "GIGABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "Gigabytes/Second"
            }
        },
        "TERABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
```

"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},
"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Entitlement"
}
},

"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The entitlement is not allowed. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#EntitlementUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},

"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
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"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
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"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}

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            },
            "GIGABITS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Gigabits"
                }
            },
            "TERABITS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Terabits"
                }
            },
            "PERCENT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Percent"
                }
            },
            "BYTES_PER_SECOND": {
                "target":
"smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Bytes/Second"
                }
            },
            "KILOBYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Kilobytes/Second"
                }
            },
            "MEGABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Megabytes/Second"
                }
            },
            "GIGABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Gigabytes/Second"
                }
            },
            "TERABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
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"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},

"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementUsage": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Entitlement usage name. ",
"smithy.api#required": {}
}
},
"ConsumedValue": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Resource usage consumed. ",
"smithy.api#required": {}
}
},
"MaxCount": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Maximum entitlement usage count. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementDataUnit",
"traits": {
"smithy.api#documentation": " Entitlement usage unit. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Usage associated with an entitlement resource. "
}
},
"com.amazonaws.licensemanager#EntitlementUsageList":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#EntitlementUsage"
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumption": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"

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            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}

      }
            },
            "DryRun": {
                "target": "com.amazonaws.licensemanager#Boolean",
                "traits": {
                    "smithy.api#default": false,
                    "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action,
without actually making the request. Provides an error response if you do not have the required permissions.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
```

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    "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
      "type": "structure",
      "members": {
        "LicenseConsumptionToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>License consumption token.</p>"
          }
        },

        "Expiration": {
          "target": "com.amazonaws.licensemanager#ISO8601DateTime",
          "traits": {
            "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#FailedDependencyException": {
      "type": "structure",
      "members": {
        "Message": {
          "target": "com.amazonaws.licensemanager#Message"
        },
        "ErrorCode": {
          "target": "com.amazonaws.licensemanager#String"
        }
      },
      "traits": {
        "aws.protocols#awsQueryError": {
          "code": "FailedDependency",
          "httpResponseCode": 424
        },
        "smithy.api#documentation":
"<p>A dependency required to run the API is missing.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 424
      }
    },
    "com.amazonaws.licensemanager#Filter": {
      "type": "structure",
      "members": {
        "Name": {
          "target": "com.amazonaws.licensemanager#FilterName",
          "traits": {
```

"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used to return more specific results from a\n describe operation. Filters can be used to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FilterLimitExceeded",
"httpResponseCode": 400
},
"smithy.api#documentation": " The request uses too many filters or too many filter values. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Filter"
}
},
"com.amazonaws.licensemanager#FilterName": {
"type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
"type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
"type": "list",

"member": {
"target": "com.amazonaws.licensemanager#FilterValue",
"traits": {
"smithy.api#xmlName": "item"
}
}
},
"com.amazonaws.licensemanager#Filters": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Filter",
"traits": {
"smithy.api#xmlName": "item"
}
}
},
"com.amazonaws.licensemanager#GetAccessToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
tokens\n are valid for one hour. "
}
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {

"type": "structure",
"members": {
"Token": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Refresh token, encoded as a JWT token. ",
"smithy.api#required": {}
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Token properties to validate against those present in the JWT token. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetAccessTokenResponse": {
"type": "structure",
"members": {
"AccessToken": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Temporary access token. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

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        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"

    },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
    "type": "structure",
    "members": {
```

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        "Grant": {
            "target": "com.amazonaws.licensemanager#Grant",
            "traits": {
                "smithy.api#documentation": "<p>Grant details.</p>"
            }
        }
    },
    "traits": {

"smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"

 },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
    "type": "operation",
    "input": {
```

"target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license configuration. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
}
},
"traits":
{
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationId": {

```
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
    }
},
"LicenseConfigurationArn": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
    }
},
"Name": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Name of the license configuration.</p>"
     }
},
"Description": {
    "target": "com.amazonaws.licensemanager#String",
    "traits": {
        "smithy.api#documentation": "<p>Description of the license configuration.</p>"
    }
},
"LicenseCountingType": {
    "target": "com.amazonaws.licensemanager#LicenseCountingType",
    "traits": {
        "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
    }
},
"LicenseRules": {
    "target": "com.amazonaws.licensemanager#StringList",
    "traits": {
        "smithy.api#documentation": "<p>License rules.</p>"
    }
},
"LicenseCount": {
    "target": "com.amazonaws.licensemanager#BoxLong",

   "traits": {
        "smithy.api#documentation": "<p>Number of available licenses.</p>"
    }
},
"LicenseCountHardLimit": {
    "target": "com.amazonaws.licensemanager#BoxBoolean",
    "traits": {
        "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
    }
},
```

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses assigned to resources. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License configuration status. "
}

},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner of the license configuration. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}

```
            },
            "DisassociateWhenNotFound": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>When
true, disassociates a resource when software is uninstalled.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConversionTask": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {

 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
```

"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted to. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",

"traits": {
"smithy.api#documentation": " Status of the license type conversion task. "
}
},

"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was started . "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Amount of time to complete the license type conversion. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was completed. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},

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            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

          },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
                    "smithy.api#required":
 {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {
            "ReportGenerator": {
                "target": "com.amazonaws.licensemanager#ReportGenerator",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            }
        },
```

"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseResponse": {
"type": "structure",
"members": {
"License": {
"target": "com.amazonaws.licensemanager#License",
"traits": {
"smithy.api#documentation": " License details. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},

"com.amazonaws.licensemanager#GetLicenseUsage": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"

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        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {

  "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
        }
      },
      "com.amazonaws.licensemanager#GetLicenseUsageRequest": {
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
        "type": "structure",
        "members": {
          "LicenseUsage": {
            "target":
"com.amazonaws.licensemanager#LicenseUsage",
            "traits": {
```

"smithy.api#documentation": " License usage details. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets the License Manager settings for the current Region. "
}
},
"com.amazonaws.licensemanager#GetServiceSettingsRequest": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Regional S3 bucket path for storing reports, license trail event data,

discovery data,\n and so on. "

}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " SNS topic configured to receive notifications from License Manager. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Indicates whether Organizations is integrated with License Manager for\n cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether cross-account discovery is enabled. "
}

},
"LicenseManagerResourceShareArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource share. The License Manager management account \n provides member accounts with access to this share. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Grant": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}
}
},
"ParentArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",
"smithy.api#required": {}
}
},
"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "

```
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>",
                "smithy.api#required": {}
            }
        },
        "GrantedOperations": {
            "target": "com.amazonaws.licensemanager#AllowedOperationList",
            "traits": {
                "smithy.api#documentation": "<p>Granted operations.</p>",
                "smithy.api#required": {}
            }
        },
        "Options": {
            "target": "com.amazonaws.licensemanager#Options",
            "traits": {
                "smithy.api#documentation": "<p>The options specified for the grant.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation":
"<p>Describes a grant.</p>"
    }
},
"com.amazonaws.licensemanager#GrantList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Grant"
    }
},
"com.amazonaws.licensemanager#GrantStatus": {
    "type": "enum",
    "members": {
        "PENDING_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_WORKFLOW"
            }
        },
        "PENDING_ACCEPT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_ACCEPT"
            }
```

```
            },
            "REJECTED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REJECTED"

            }
            },
            "ACTIVE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ACTIVE"
                }
            },
            "FAILED_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED_WORKFLOW"
                }
            },
            "DELETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DELETED"
                }
            },
            "PENDING_DELETE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_DELETE"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits":
{
                    "smithy.api#enumValue": "DISABLED"
                }
            },
            "WORKFLOW_COMPLETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WORKFLOW_COMPLETED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#GrantedLicense": {
```

```
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
          },
          "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>License name.</p>"
            }

    },
          "ProductName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Product name.</p>"
            }
          },
          "ProductSKU": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Product SKU.</p>"
            }
          },
          "Issuer": {
            "target": "com.amazonaws.licensemanager#IssuerDetails",
            "traits": {
              "smithy.api#documentation": "<p>Granted license issuer.</p>"
            }
          },
          "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Home Region of the granted license.</p>"

           }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
              "smithy.api#documentation": "<p>Granted license status.</p>"
            }
          },
          "Validity": {
            "target": "com.amazonaws.licensemanager#DatetimeRange",
```

"traits": {
"smithy.api#documentation": " Date and time range during which the granted license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Granted license beneficiary. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Granted license metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Creation time of the granted license. "

}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Version of the granted license. "
}
},
"ReceivedMetadata": {
"target": "com.amazonaws.licensemanager#ReceivedMetadata",
"traits": {
"smithy.api#documentation": " Granted license received metadata. "
}
}

```
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
        }
    },
    "com.amazonaws.licensemanager#GrantedLicenseList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#GrantedLicense"
        }
    },
    "com.amazonaws.licensemanager#ISO8601DateTime":
{
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-
1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$"
        }
    },
    "com.amazonaws.licensemanager#Integer": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#InvalidParameterValueException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidParameterValueProvided",
                "httpResponseCode": 400
            },
            "smithy.api#documentation":
"<p>One or more parameter values are not valid.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#InvalidResourceStateException": {
        "type": "structure",
        "members": {
            "Message": {
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"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidResourceState",
"httpResponseCode": 400
},
"smithy.api#documentation": " License Manager cannot allocate a license to a resource because of its state. \n For example, you cannot allocate a license to an instance in the process of shutting\n down. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},

"com.amazonaws.licensemanager#InventoryFilter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the filter. ",
"smithy.api#required": {}
}
},
"Condition": {
"target": "com.amazonaws.licensemanager#InventoryFilterCondition",
"traits": {
"smithy.api#documentation": " Condition of the filter. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Value of the filter. "
}
}

},
"traits": {
"smithy.api#documentation": " An inventory filter. "
}
},
"com.amazonaws.licensemanager#InventoryFilterCondition": {
"type": "enum",
"members": {

"EQUALS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EQUALS"
}
},
"NOT_EQUALS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "NOT_EQUALS"
}
},
"BEGINS_WITH": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "BEGINS_WITH"
}
},
"CONTAINS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CONTAINS"
}
}
}
},
"com.amazonaws.licensemanager#InventoryFilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#InventoryFilter"
}
},
"com.amazonaws.licensemanager#Issuer": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. ",
"smithy.api#required": {}
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage

of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the issuer of a license. "
}
},
"com.amazonaws.licensemanager#IssuerDetails": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. "
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer key fingerprint. "
}
}
},
"traits": {
"smithy.api#documentation": " Details associated with the issuer of a license. "
}
},
"com.amazonaws.licensemanager#License": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " License name. "
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " License issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Home Region of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},

"Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " License metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " License
creation time. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#documentation": " Software license that is managed in License Manager. "
}
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
"type": "structure",
"members": {
"LicenseConfigurationId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Unique ID of the license configuration. "
}
},
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension to use to track the license inventory. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Number of available licenses as a hard limit. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
},
"ConsumedLicenses": {

"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the license configuration. "
}
},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the license configuration's owner. "

}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for licenses consumed by various resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for managed resources. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {

"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
}
},
"traits": {
"smithy.api#documentation": " A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n

Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
"type": "structure",
"members": {
"ResourceArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of server resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Time when the license configuration was associated with the resource. "
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an association with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
"type": "list",

"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
}
},
"com.amazonaws.licensemanager#LicenseConfigurationStatus": {
"type": "enum",
"members":
{
"AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISABLED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsage": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits":
{
"smithy.api#documentation": " Type of resource. "
}
},
"ResourceStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "

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            }
        },
        "AssociationTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Time when the license configuration was initially associated with
the resource.</p>"
            }
        },

    "ConsumedLicenses": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Details about the usage of a resource associated with a license
configuration.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
    }
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#LicenseConfiguration"
    }
},
"com.amazonaws.licensemanager#LicenseConversionContext": {

  "type": "structure",
    "members": {
        "UsageOperation": {
            "target": "com.amazonaws.licensemanager#UsageOperation",
            "traits": {
                "smithy.api#documentation": "<p>The Usage operation value that corresponds to the license type you
are converting your resource from.  For more information about which platforms correspond to which usage
operation values see <a href=\"https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/billing-info-
fields.html#billing-info\">Sample data: usage operation by platform\n      </a>\n        </p>"
            }
        }
    },
```

"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {

"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " The ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource associated with the license type\n conversion task. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted to. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " The status of the conversion task. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},

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            "StartTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation":
 "<p>The time the conversion task was started at.</p>"
                }
            },
            "LicenseConversionTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
                }
            },
            "EndTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTaskId": {
        "type": "string",
        "traits": {

        "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
        "type": "enum",
        "members": {
            "IN_PROGRESS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "IN_PROGRESS"
                }
            },
            "SUCCEEDED": {
                "target": "smithy.api#Unit",
                "traits": {
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"smithy.api#enumValue": "SUCCEEDED"
}
},
"FAILED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseConversionTasks":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConversionTask"
}
},
"com.amazonaws.licensemanager#LicenseCountingType": {
"type": "enum",
"members": {
"VCPU": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "vCPU"
}
},
"INSTANCE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Instance"
}
},
"CORE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Core"
}
},
"SOCKET": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Socket"
}
}
}
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {

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    "type": "enum",
    "members": {
      "PENDING_DELETE": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "PENDING_DELETE"
        }
      },
      "DELETED": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "DELETED"
        }
      }
    }
  },
  "com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#License"
    }
  },
  "com.amazonaws.licensemanager#LicenseOperationFailure": {

    "type": "structure",
    "members": {
      "ResourceArn": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
          "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
        }
      },
      "ResourceType": {
        "target": "com.amazonaws.licensemanager#ResourceType",
        "traits": {
          "smithy.api#documentation": "<p>Resource type.</p>"
        }
      },
      "ErrorMessage": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
          "smithy.api#documentation": "<p>Error message.</p>"
        }
      },
      "FailureTime": {
        "target": "com.amazonaws.licensemanager#DateTime",
        "traits": {
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"smithy.api#documentation": " Failure time. "
}
},
"OperationName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the operation. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource. "
}
},
"OperationRequestedBy": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The requester is \"License Manager Automated Discovery\". "
}
},
"MetadataList": {

"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Reserved. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the failure of a license operation. "
}
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailure"
}
},
"com.amazonaws.licensemanager#LicenseSpecification": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Details for associating a license configuration with a resource. "
}
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseSpecification"
}
},
"com.amazonaws.licensemanager#LicenseStatus": {
"type": "enum",
"members": {
"AVAILABLE": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"PENDING_AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_AVAILABLE"
}
},
"DEACTIVATED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DEACTIVATED"
}
},
"SUSPENDED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SUSPENDED"

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            }
        },
        "EXPIRED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EXPIRED"
            }
        },

    "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseUsage": {
    "type": "structure",
    "members": {
        "EntitlementUsages": {
            "target": "com.amazonaws.licensemanager#EntitlementUsageList",
            "traits": {
                "smithy.api#documentation": "<p>License entitlement usages.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"

    }
},
"com.amazonaws.licensemanager#LicenseUsageException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "LicenseUsageFailure",
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"httpResponseCode": 412
},
"smithy.api#documentation": " You do not have enough licenses available to support a new resource launch. ",
"smithy.api#error": "client",
"smithy.api#httpError": 412
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the resource associations for the specified license configuration. \n Resource associations need not consume licenses from a license configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n the license rules). "
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results
to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationAssociations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license
configuration. "
}
},
"NextToken": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
"type": "operation",

"input": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants distributed for the specified license. "
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
"type": "structure",
"members": {
"GrantArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>LicenseArn</code>\n \n

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</li>\n <li>\n <p>\n <code>GrantStatus</code>\n </p>\n </li>\n
<li>\n <p>\n <code>GranteePrincipalARN</code>\n </p>\n </li>\n
<li>\n <p>\n <code>ProductSKU</code>\n </p>\n </li>\n <li>\n
<p>\n <code>LicenseIssuerName</code>\n
</p>\n </li>\n </ul>"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": "<p>Token for the next set of results.</p>"
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",

"traits": {
"smithy.api#documentation": "<p>Distributed grant details.</p>"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": "<p>Token for the next set of results.</p>"
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
"type": "operation",
"input": {
```

"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license configuration operations that failed. "
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name of the license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}

```
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
        "type": "structure",
        "members": {
            "LicenseOperationFailureList": {
                "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
                "traits": {
                    "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
        },

    "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
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            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configurations
 for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArns": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next
 set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n                Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n            Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n
<p>\n                <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n            Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>.</p>\n
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</li>\n <li>\n <p>\n <code>usagelimitExceeded</code> - A Boolean value that indicates whether the available licenses have been exceeded. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n </li>\n </ul>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
        "type": "structure",
        "members": {
          "LicenseConfigurations": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurations",
            "traits": {
              "smithy.api#documentation": "<p>Information about the license configurations.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",

         "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseConversionTasks": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
        "type": "structure",
        "members": {
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {

    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>\n        Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n      </p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
        "type": "structure",
        "members": {
            "LicenseConversionTasks": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTasks",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configuration tasks for your
```

account. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}

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        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseConfigurationArn</code>\n
</p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits":
{
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
        "type": "structure",
        "members": {
            "ReportGenerators": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorList",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

"smithy.api#documentation": " Token for the next set of results. "
}

}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Describes the license configurations for the specified resource. "
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a resource that has an associated license configuration. ",
"smithy.api#required": {}
}

```
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {

    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
    "type": "structure",
    "members": {
        "LicenseSpecifications": {
            "target": "com.amazonaws.licensemanager#LicenseSpecifications",
            "traits": {
                "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
            }
        },
        "NextToken": {
             "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
```

```
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                "smithy.api#required": {}
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
```

```
        "type": "structure",
        "members": {
          "Licenses": {
            "target": "com.amazonaws.licensemanager#LicenseList",
            "traits": {
              "smithy.api#documentation": "<p>License details.</p>"
            }
          },

"NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenses": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListLicensesRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListLicensesResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
           },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
```

"traits": {
"smithy.api#documentation": " Lists the licenses for your account. "
}
},
"com.amazonaws.licensemanager#ListLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>Beneficiary</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>Status</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicensesResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#LicenseList",
"traits": {

"smithy.api#documentation": " License details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while

specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target":
"com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the received license. ",
"smithy.api#required": {}

```
            }
        },
        "Filters": {
            "target": "com.amazonaws.licensemanager#FilterList",
            "traits": {
                "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
    <ul>\n        <li>\n        <p>\n        <code>ParentArn</code>\n        </p>\n        </li>\n
<li>\n        <p>\n        <code>GranteePrincipalArn</code>\n        </p>\n        </li>\n        </ul>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
{
    "type": "structure",
    "members": {
        "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
            "traits": {
                "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
```

```
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
      "type": "structure",
      "members": {
        "GrantArns": {
          "target": "com.amazonaws.licensemanager#ArnList",
           "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
          }
        },
        "Filters": {
          "target": "com.amazonaws.licensemanager#FilterList",
          "traits": {
            "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n<ul>\n<li>\n<p>\n<code>ProductSKU</code>\n</p>\n
</li>\n<li>\n<p>\n<code>LicenseIssuerName</code>\n</p>\n
</li>\n<li>\n<p>\n<code>LicenseArn</code>\n</p>\n</li>\n
<li>\n<p>\n<code>GrantStatus</code>\n</p>\n</li>\n<li>\n
<p>\n
<code>GranterAccountId</code>\n</p>\n</li>\n</ul>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        },
        "MaxResults": {
          "target": "com.amazonaws.licensemanager#MaxSize100",
          "traits": {
            "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
      "type": "structure",
      "members": {
        "Grants": {
          "target": "com.amazonaws.licensemanager#GrantList",
           "traits": {
            "smithy.api#documentation": "<p>Received grant details.</p>"
          }
        },
```

```
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists received licenses.</p>"
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
```

```
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {

    "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>Beneficiary</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n
            </p>\n            </li>\n        </ul>"
                }
            },
```

```
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
    "type": "structure",
    "members": {
        "Licenses": {
            "target": "com.amazonaws.licensemanager#GrantedLicenseList",
             "traits": {
                "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
    "type": "structure",
    "members": {
        "LicenseArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
            }
        },
```

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>IssuerName</code>\n \n \n \n \n <code>Beneficiary</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#GrantedLicenseList",
"traits": {
"smithy.api#documentation": " Received license details. "
}
},

"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}

```
},
"com.amazonaws.licensemanager#ListResourceInventory": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FailedDependencyException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
    }
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
    "type": "structure",
    "members": {
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#InventoryFilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>account_id</code> - The ID of the Amazon Web Services account that owns the resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n
\n \n \n <code>application_name</code> - The name of the application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n
\n \n \n <code>license_included</code> - The type of license included. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
\n <code>platform</code> - The platform of the resource.\n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n \n \n \n
<code>resource_id</code> - The ID of the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n
<code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account). \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
"type": "structure",
"members": {
"ResourceInventoryList": {
"target": "com.amazonaws.licensemanager#ResourceInventoryList",
"traits": {
"smithy.api#documentation": " Information about the resources. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the tags for the specified license configuration. "
}
},
"com.amazonaws.licensemanager#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

```
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
        "errors":
[
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists your tokens.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTokensRequest": {
        "type": "structure",
        "members": {
```

"TokenIds": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " Token IDs. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filter is supported: \n
\n \n \n <code>LicenseArns</code>\n \n \n
"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation":
" Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListTokensResponse": {
"type": "structure",
"members": {
"Tokens": {
"target": "com.amazonaws.licensemanager#TokenList",
"traits": {
"smithy.api#documentation": " Received token details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}

```
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
             {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license\n        consumption details by resource at a selected point in time. Use this action to audit the\n        current
license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
```

"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
"type": "structure",
"members": {

"LicenseConfigurationUsageList": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

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                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#Location": {
    "type": "string"
},
"com.amazonaws.licensemanager#Long": {
    "type": "long"
},
"com.amazonaws.licensemanager#ManagedResourceSummary": {
    "type": "structure",
    "members": {
        "ResourceType":
{
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
            }
        },
        "AssociationCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
    }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
    }
},
"com.amazonaws.licensemanager#MaxSize100": {

"type": "integer",
    "traits": {
        "smithy.api#range": {
            "min": 1,
            "max": 100
```

```
        }
    }
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The key name.</p>"
            }
        },

"Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The value.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes key/value pairs.</p>"
    }
},
"com.amazonaws.licensemanager#MetadataList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Metadata"
    }
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
    "type": "structure",
    "members": {
```

"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n \n \n As a grantor, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your organization. \n \n \n As a grantee, if the grantor creating the distributed grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n are activating the grant. \n \n \n <dl>\n <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n Use this value to activate a grant without replacing any member accounts\n active grants for the same product. \n </dd>\n <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n Use this value to activate a grant and disable other active grants in any\n member accounts
for the same product. This action will also replace their\n previously activated grants with this activated grant. \n </dd>\n </dl>"
}
}
},
"traits": {
"smithy.api#documentation": " The options you can specify when you create a new version of a grant, such as activation\n override behavior. For more information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#OrganizationConfiguration": {
"type": "structure",
"members": {
"EnableIntegration": {
"target": "com.amazonaws.licensemanager#Boolean",

"traits": {
"smithy.api#default": false,
"smithy.api#documentation":
" Enables Organizations integration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Configuration information for Organizations. "
}
},
"com.amazonaws.licensemanager#PrincipalArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 1
}
}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Resource type. The
possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a
<code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values
for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for
<code>ProductInformationFilterComparator</code>. \n The following filters and are supported when
the resource type \n is <code>SSM_MANAGED</code>: \n
\n \n \n <code>Application Name</code> - The name of the
application.\n Logical operator is <code>EQUALS</code>. \n \n \n
\n <code>Application Publisher</code> - The publisher of the application.\n Logical

operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n
\n \n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n \n \n \n \n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n \n \n <code>License Included</code> - The type of license included.\n Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are: <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n The following filters and logical operators are supported when the resource type\n is <code>RDS</code>: \n \n \n \n <code>Engine Edition</code> - The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>. \n \n \n \n <code>License Pack</code> - The license pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n
<code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n
\n ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information for a license configuration. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
"type": "structure",
"members": {
"ProductInformationFilterName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Filter name. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterValue": {
"target": "com.amazonaws.licensemanager#StringList",

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        "traits": {
            "smithy.api#documentation": "<p>Filter value.</p>"
        }
      },
      "ProductInformationFilterComparator": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Logical operator.</p>",
            "smithy.api#required": {}
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Describes product information filters.</p>"
    }
  },
  "com.amazonaws.licensemanager#ProductInformationFilterList": {
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#ProductInformationFilter"
    }
  },
  "com.amazonaws.licensemanager#ProductInformationList": {
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#ProductInformation"
     }
  },
  "com.amazonaws.licensemanager#ProvisionalConfiguration": {
    "type": "structure",
    "members": {
      "MaxTimeToLiveInMinutes": {
        "target": "com.amazonaws.licensemanager#BoxInteger",
        "traits": {
            "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
            "smithy.api#required": {}
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
    }
  },
  "com.amazonaws.licensemanager#RateLimitExceededException": {
    "type": "structure",
    "members": {
      "Message": {
        "target": "com.amazonaws.licensemanager#Message"
```

```
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "RateLimitExceeded",
                "httpResponseCode": 429
            },
            "smithy.api#documentation": "<p>Too many requests have been submitted. Try again after a brief
wait.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 429
        }
    },
    "com.amazonaws.licensemanager#ReceivedMetadata": {
        "type": "structure",
        "members": {
            "ReceivedStatus": {
                "target": "com.amazonaws.licensemanager#ReceivedStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Received status.</p>"
                }
            },
            "ReceivedStatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>Received
status reason.</p>"
                }
            },
            "AllowedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed operations.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
        }
    },
    "com.amazonaws.licensemanager#ReceivedStatus": {
        "type": "enum",
        "members": {
            "PENDING_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_WORKFLOW"
                }
```

```
            },
            "PENDING_ACCEPT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue":
"PENDING_ACCEPT"
                }
            },
            "REJECTED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REJECTED"
                }
            },
            "ACTIVE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ACTIVE"
                }
            },
            "FAILED_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED_WORKFLOW"
                }
            },
            "DELETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DELETED"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                 "traits": {
                    "smithy.api#enumValue": "DISABLED"
                }
            },
            "WORKFLOW_COMPLETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WORKFLOW_COMPLETED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#RedirectException": {
        "type": "structure",
```

```
        "members": {
          "Location": {
            "target": "com.amazonaws.licensemanager#Location",
            "traits": {
              "smithy.api#httpHeader": "Location"
            }
          },
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
           "smithy.api#error": "client",
          "smithy.api#httpError": 308
        }
      },
      "com.amazonaws.licensemanager#RejectGrant": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#RejectGrantRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#RejectGrantResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#RejectGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}

}
    },
    "com.amazonaws.licensemanager#RejectGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#RenewType":
```

{
"type": "enum",
"members": {
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"WEEKLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Weekly"
}
},
"MONTHLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Monthly"
}
}
}
},
"com.amazonaws.licensemanager#ReportContext": {
"type": "structure",
"members": {
"licenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "

```
                }
            },
            "period": {
                "target": "com.amazonaws.licensemanager#ReportFrequencyType",

                "traits": {
                    "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
or monthly.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
        }
    },
    "com.amazonaws.licensemanager#ReportFrequencyType": {
        "type": "enum",
        "members": {
            "DAY": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DAY"
                }
            },
            "WEEK": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WEEK"
                }
            },
            "MONTH": {
                "target": "smithy.api#Unit",
                "traits":
{
                    "smithy.api#enumValue": "MONTH"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#ReportGenerator": {
        "type": "structure",
        "members": {
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>"
                }
            },
```

"ReportType": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports that are generated. "
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " License
configuration type for this generator. "
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. "
}
},
"LastRunStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the last report generation attempt. "
}
},
"LastRunFailureReason":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Failure message for the last report generation attempt. "
}
},
"LastReportGenerationTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the last report was generated at. "
}
},
"ReportCreatorAccount": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Web Services account ID used to create the report

generator. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"S3Location": {
"target": "com.amazonaws.licensemanager#S3Location",
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the report was created. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags associated with the report generator. "
}

}
},
"traits": {
"smithy.api#documentation": " Describe the details of a report generator. "
}
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ReportGenerator"
}
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}

```
        }
    },
    "com.amazonaws.licensemanager#ReportType": {
        "type": "enum",
        "members": {
            "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
                }

    },
            "LICENSE_CONFIGURATION_USAGE_REPORT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "LicenseConfigurationUsageReport"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#ReportTypeList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ReportType"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventory": {
        "type": "structure",
        "members": {
            "ResourceId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
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```
            "Platform": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform of the resource.</p>"
                }
            },
            "PlatformVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
                }
            },
            "ResourceOwningAccountId":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventoryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ResourceInventory"
        }
    },
    "com.amazonaws.licensemanager#ResourceLimitExceededException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "ResourceLimitExceeded",

             "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
```

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"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
     "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_INSTANCE"
            }
        },
        "EC2_HOST": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_HOST"
            }
        },
        "EC2_AMI": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_AMI"
            }
        },
        "RDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "RDS"
            }
        },
        "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
```

"smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
}
}
}
},
"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"com.amazonaws.licensemanager#ServerInternalException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InternalError",
"httpResponseCode": 500
},
"smithy.api#documentation": " The server experienced an internal error. Try again. ",
"smithy.api#error": "server",
"smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanager#SignedToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 4096

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            }
        }
    },
    "com.amazonaws.licensemanager#StatusReasonMessage": {
        "type": "string",
        "traits":
{
            "smithy.api#length": {
                "min": 0,
                "max": 400
            },
            "smithy.api#pattern": "^[\\s\\S]+$"
        }
    },
    "com.amazonaws.licensemanager#String": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#StringList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#Tag": {
        "type": "structure",
        "members": {
            "Key": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Tag key.</p>"
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Tag value.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagKeyList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
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        }
    },
    "com.amazonaws.licensemanager#TagList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Tag"
        }
    },
    "com.amazonaws.licensemanager#TagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#TagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#TagResourceResponse"
        },
        "errors": [
            {
                "target":
"com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
{
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
```

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            }
          },
          "Tags": {
            "target": "com.amazonaws.licensemanager#TagList",
            "traits": {
              "smithy.api#documentation": "<p>One or more tags.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
        "members": {
          "TokenId": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
              "smithy.api#documentation": "<p>Token ID.</p>"
            }
          },
          "TokenType": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
            }
          },
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
          },
          "ExpirationTime": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC
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format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#TokenData"
}
},
"com.amazonaws.licensemanager#TokenString": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 4096
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#TokenType": {
"type": "enum",
"members": {

"REFRESH_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REFRESH_TOKEN"
}
}
}
},
"com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The digital signature method is unsupported. Try your request
again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#UntagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],

"traits": {
"smithy.api#documentation": " Removes the specified tags from the specified license configuration. "
}
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanager#TagKeyList",
"traits": {
"smithy.api#documentation": " Keys identifying the tags to remove. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

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            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseConfigurationStatus": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
                "traits": {
                    "smithy.api#documentation": "<p>New status of the license configuration.</p>"
                }
            },
            "LicenseRules": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {

    "smithy.api#documentation": "<p>New license rule. The only rule that you can add after you create a license\n
    configuration is licenseAffinityToHost.</p>"
                }
            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
```

"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}

```
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to
```

update. ",
"smithy.api#required": {}
}
},
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation":
" Type of reports to generate. The following report types are supported: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " The report context. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

```
                "smithy.api#documentation": "<p>Description of the report generator.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },

        {
            "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
        },
        {
            "target": "com.amazonaws.licensemanager#LicenseUsageException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
```

"traits": {
"smithy.api#documentation": " Adds or removes the specified license configurations for the specified Amazon Web Services resource. \n You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource. "
}
},

"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon Web Services resource. ",
"smithy.api#required": {}
}
},
"AddLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to add. "
}
},
"RemoveLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to remove. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"

```
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
             },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
        "type": "structure",
        "members": {
            "S3BucketArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
 Manager information is stored.</p>"
                }
            },
            "SnsTopicArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts.</p>"
                }
            },
            "OrganizationConfiguration": {
                "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account discovery.</p>"
```

```
                }
            },
            "EnableCrossAccountsDiscovery": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"

        }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UsageOperation": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            }
        }
    },
    "com.amazonaws.licensemanager#ValidationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

    "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    }
  }
}
```

1.7373 aws-sdk-go-v2-credentials 1.17.46

1.7373.1 Available under license :

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
```

```
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
 LicenseConsumptionToken *string
```

```
 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
```

```
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack,
 c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
```

```
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err !=
nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
```

```
      uses: actions/checkout@v2
      with:
        path: new-ref
        fetch-depth: 0
    - name: Get Diff
      run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
    - name: Get Target Files
      run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
    - name: Checkout scancode
      uses: actions/checkout@v2
      with:
        repository: nexB/scancode-toolkit
        path: scancode-toolkit
        fetch-depth: 1
    - name: Set up Python ${{ matrix.python-version }}
       uses: actions/setup-python@v2
      with:
        python-version: ${{ matrix.python-version }}
    # ScanCode
    - name: Self-configure scancode
      working-directory: ./scancode-toolkit
      run: ./scancode --help
    - name: Run Scan code on target
      run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
    - name: Run Scan code on pr ref
      run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
```

```
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
```

```
 return err
}
err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
```

```
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if
err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err
!= nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
```

```
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
{
  "smithy": "2.0",
  "shapes": {
    "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
      "type": "structure",
      "members": {
        "message": {
          "target": "smithy.api#String"
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
        "smithy.api#error": "client"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
      "type": "structure",
      "members": {
        "DirectoryId": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#Directory",
          "traits": {
            "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
          }
        },
        "ActiveDirectorySettings":
 {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings",
          "traits": {
            "smithy.api#documentation": "<p>The <code>ActiveDirectorySettings</code> resource contains
details about \n\t\t\tthe Active Directory, including network access details such as domain name and IP
\n\t\t\taddresses, and the credential provider for user administration.</p>"
          }
        },
        "ActiveDirectoryType": {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType",
"traits": {
"smithy.api#documentation": " The type of Active Directory either a self-managed Active Directory or an \n\t\t\tAmazon Web Services Managed Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about an Active Directory identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings": {
"type": "structure",
"members": {
"DomainName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name for the Active Directory. "
}
},
"DomainIpv4List": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IpV4List",
"traits": {
"smithy.api#documentation": " A list of domain IPv4 addresses that are used for the Active Directory. ",
"smithy.api#length": {
"min": 1,
"max": 2
}
}
},
"DomainCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
"traits": {
"smithy.api#documentation": " Points to the <code>CredentialsProvider</code> resource that contains \n\t\t\tinformation about the credential provider for user administration. "
}
},
"DomainNetworkSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings",
"traits": {
"smithy.api#documentation": " The <code>DomainNetworkSettings</code> resource contains an array of \n\t\t\tsubnets that apply for the Active Directory. "
}
}
},

"traits": {
"smithy.api#documentation": " Contains network access and credential details that are needed for \n\t\t\tuser administration in the Active Directory. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "SELF_MANAGED",
"value": "SELF_MANAGED",
"documentation": "SELF_MANAGED type of Active Directory"
},
{
"name": "AWS_MANAGED",
"value": "AWS_MANAGED",
"documentation": "AWS_MANAGED type of Active Directory"
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#Arn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-zA-Z0-9-\\.]{1,510}/[a-zA-Z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Associates the user to an EC2 instance to utilize user-based
subscriptions.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related
costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing
status) in Amazon Web Services Billing. For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n\t\t\t\tmonthly
charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
            "smithy.api#http":
 {
                "code": 200,
                "method": "POST",
                "uri": "/user/AssociateUser"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance that provides the user-based
subscription.</p>",
                    "smithy.api#required": {}
                }
            },
```

"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The identity provider for the user. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains information for the user to associate. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply for the user association. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
"type": "structure",
"members": {
"message": {

"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request couldn't be completed because it conflicted with the current state of the\n\t\t\tresource. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},

{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a network endpoint for the Remote Desktop Services (RDS) license server. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/CreateLicenseServerEndpoint"

```
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest": {
        "type": "structure",
        "members": {
            "IdentityProviderArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the
<code>IdentityProvider</code> resource that contains details \n\t\t\tabout a registered identity provider. In the case
of Active Directory, that can be \n\t\t\ta self-managed Active Directory or an Amazon Web Services Managed
Active Directory that contains user identity details.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseServerSettings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings",
                "traits": {
                    "smithy.api#documentation": "<p>The <code>LicenseServerSettings</code> resource to create for
the endpoint. The \n\t\t\tsettings include the type of license server and the Secrets Manager secret that \n\t\t\tenables
administrators to add or remove users associated with the \n\t\t\tlicense server.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The tags that apply for the license server endpoint.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse":
{
        "type": "structure",
        "members": {
            "IdentityProviderArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider
specified in the request.</p>"
                }
            },
```

"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The ARN of the <code>LicenseServerEndpoint</code> resource. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider": {
"type": "union",
"members": {
"SecretsManagerCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider",
"traits": {
"smithy.api#documentation": " Identifies the Secrets Manager secret that contains credentials needed for \n\t\t\tuser administration in the Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains information about the credential provider for user \n\t\t\tadministration. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

}
],
"traits": {
"smithy.api#documentation": " Deletes a <code>LicenseServerEndpoint</code> resource. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/DeleteLicenseServerEndpoint"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest": {
"type": "structure",
"members": {
"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the
<code>LicenseServerEndpoint</code> \n\t\t\tresource to delete. ",
"smithy.api#required": {}
}
},
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of License Server that the delete request refers to. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse": {
"type": "structure",

"members": {
"LicenseServerEndpoint": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint",
"traits": {
"smithy.api#documentation": " Shows details from the <code>LicenseServerEndpoint</code> resource that was deleted. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deregisters the Active Directory identity provider from License Manager user-based subscriptions. ",
"smithy.api#http": {

"code": 200,
"method": "POST",
"uri": "/identity-provider/DeregisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest":
{
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the Active Directory identity provider. "
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n "
}
},
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",

"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the identity provider to deregister. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#Directory":
{
"type": "string",
"traits": {
"smithy.api#pattern": "^(d|sd)-[0-9a-f]{10}$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based

subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/DisassociateUser"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest":
{
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the Active Directory identity provider for the
user. "
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance which provides user-based
subscriptions. "
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the Active Directory identity
provider. "

}
},
"InstanceUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the user to disassociate
from the EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains
information for the user to disassociate. "
}

```
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
        "type": "structure",
        "members": {
            "InstanceUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
                 "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings": {
        "type": "structure",
        "members": {
            "Subnets": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
                "traits": {
                    "smithy.api#documentation": "<p>Contains a list of subnets that apply for the Active Directory
domain.</p>",
                    "smithy.api#length": {
                        "min": 1
                    },
                    "smithy.api#required": {}

        }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Contains network settings for the Active Directory domain.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Filter": {
        "type": "structure",
        "members": {
            "Attribute": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of an attribute to use as a filter.</p>"
```

```
            }
        },
        "Operation": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The type of search (For example, eq, geq, leq)</p>"
            }
        },
        "Value": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation":
 "<p>Value of the filter.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>A filter name and value pair that is used to return more specific results
from a describe\n\t\t\tor list operation. You can use filters can be used to match a set of resources by specific
\n\t\t\tcriteria, such as tags, attributes, or IDs.</p>"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#FilterList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
    "type": "union",
    "members": {
        "ActiveDirectoryIdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
            "traits": {

                "smithy.api#documentation": "<p>The <code>ActiveDirectoryIdentityProvider</code> resource
contains settings \n\t\t\tand other details about a specific Active Directory identity provider.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Refers to an identity provider.</p>"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
    "type": "structure",
    "members": {
        "IdentityProvider": {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The <code>IdentityProvider</code> resource contains information about \n\t\t\tan identity provider. ",
"smithy.api#required": {}
}
},
"Settings": {

"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The <code>Settings</code> resource contains details about the registered \n\t\t\tidentity providers product related configuration settings, such as the \n\t\t\tsubnets to provision VPC endpoints. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the identity provider. ",

"smithy.api#required": {}
}
},
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider. "
}
},
"FailureMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The failure message associated with an identity provider. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an identity provider. "
}

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
      "type": "structure",
      "members": {
        "InstanceId": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
            "smithy.api#required": {}
          }
        },
        "Status": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The status of an EC2 instance resource.</p>",
            "smithy.api#required": {}
          }
        },
        "Products": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
          "traits":
{
            "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
            "smithy.api#required": {}
          }
        },
        "LastStatusCheckDate": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The date of the last status check.</p>"
          }
        },
        "StatusMessage": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
```

```
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {

  "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance that provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {

      "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>The <code>IdentityProvider</code> resource specifies details
\n\t\t\tabout the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of a user associated with an EC2 instance.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceUserArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the instance
user.</p>"
```

```
            }

  },
            "StatusMessage": {
              "target": "smithy.api#String",
              "traits": {
                "smithy.api#documentation": "<p>The status message for users of an EC2 instance.</p>"
              }
            },
            "Domain": {
              "target": "smithy.api#String",
              "traits": {
                "smithy.api#documentation": "<p>The domain name of the  Active Directory that contains the user
information for the product subscription.</p>"
              }
            },
            "AssociationDate": {
              "target": "smithy.api#String",
              "traits": {
                "smithy.api#documentation": "<p>The date a user was associated with an EC2 instance.</p>"
              }
            },
            "DisassociationDate": {
              "target": "smithy.api#String",
              "traits": {

            "smithy.api#documentation": "<p>The date a user was disassociated from an EC2 instance.</p>"
              }
            }
          },
          "traits": {
            "smithy.api#documentation": "<p>Describes users of an EC2 instance providing user-based
subscriptions.</p>"
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
          "type": "list",
          "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
          }
        },
        "com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
          "type": "structure",
          "members": {
            "message": {
              "target": "smithy.api#String"
            }
          },
```

```
    "traits": {
        "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
        "smithy.api#error": "server",
         "smithy.api#httpError": 500
    }
},
"com.amazonaws.licensemanagerusersubscriptions#IpV4": {
    "type": "string",
    "traits": {
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"com.amazonaws.licensemanagerusersubscriptions#IpV4List": {
    "type": "list",
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        "target": "com.amazonaws.licensemanagerusersubscriptions#IpV4"
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"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
    "type": "service",
    "version": "2018-05-10",
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            "target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint"

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            "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint"
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            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
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            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
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            "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints"
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"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
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"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource"
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"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"
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"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
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"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
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"target": "com.amazonaws.licensemanagerusersubscriptions#TagResource"
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"target": "com.amazonaws.licensemanagerusersubscriptions#UntagResource"
},
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"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
}
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"traits": {
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"arnNamespace": "license-manager-user-subscriptions",
"cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
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"aws.auth#sigv4": {
"name": "license-manager-user-subscriptions"
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"aws.protocols#restJson1": {},
"smithy.api#cors": {
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"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id",
"content-length",
"x-api-key",

"authorization",
"x-amz-date",
"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
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"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n\t\ta per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn":
"AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
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"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
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"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured
endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
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"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",

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            "type": "String"
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    "rules": [
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                    "argv": [
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                            "ref": "Endpoint"
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    "rules": [
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                            "argv": [
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"fn": "booleanEquals",
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                            ]
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                    "type": "error"
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              "type": "tree"
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                      "assign": "PartitionResult"
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                    },
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                            "supportsFIPS"
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{
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                          "argv": [
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                              "ref": "PartitionResult"
                            },
                            "supportsDualStack"
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                        }
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                    ]

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fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                        "properties": {},
                        "headers": {}
                    },
                    "type": "endpoint"
                }
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        "type": "tree"
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                    "conditions": [],
                    "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
                    "type": "error"
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            "type": "tree"
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            "conditions": [
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                    "argv": [
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    "ref": "UseFIPS"
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                            "argv": [
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                    }
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                            "properties": {},
                            "headers": {}
                        },
                        "type": "endpoint"
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                "type": "tree"
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                "type": "error"
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                    "type": "error"
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"error": "Invalid Configuration: Missing Region",
"type": "error"
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"smithy.rules#endpointTests": {
"testCases": [
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"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint":
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"url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
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{
"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
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}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
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"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
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"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
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"url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
}
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"params": {
"Region": "cn-north-1",
"UseFIPS": true,
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}

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              }
            },
            "params": {
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              "UseDualStack":
false
            }
          },
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            "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
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            },
            "params": {
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition
does not support one or both"
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"params": {

"Region": "us-iso-east-1",
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"UseDualStack": true
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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"params": {
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"UseDualStack": false
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"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
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}
},

"params": {
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"UseDualStack": false
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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"

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            },
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              "UseDualStack": true
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          },
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"expect": {
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              }
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            "params": {
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              "UseDualStack": false
            }
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            "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
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            "params": {
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      "UseDualStack": true
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            "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
            "expect": {
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              }
            },
            "params": {
              "Region": "us-isob-east-1",
              "UseFIPS": false,
              "UseDualStack": false
            }
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          {
            "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
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"expect": {
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"url": "https://example.com"
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
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"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
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"params": {
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"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
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"params": {
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"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
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"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
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"params": {
"Region": "us-east-1",

"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
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"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServer": {
"type": "structure",
"members": {
"ProvisioningStatus": {
"target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
"traits": {
"smithy.api#documentation": " The current state of the provisioning process for the RDS
\n\t\t\tlicense server. "
}
},
"HealthStatus": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus",
"traits": {
"smithy.api#documentation": " The health status of the RDS license server. "
}
},
"Ipv4Address": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A list of domain IPv4 addresses that are used for the RDS
\n\t\t\tlicense server. "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a Remote Desktop Services (RDS) license
server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint": {
"type": "structure",

"members": {
"IdentityProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider that's associated with \n\t\t\tthe RDS license server endpoint. "
}
},
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of license server. "
}
},
"ServerEndpoint": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint",
"traits": {
"smithy.api#documentation": " The <code>ServerEndpoint</code> resource contains the network \n\t\t\taddress of the RDS license server endpoint. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The message associated with the provisioning status, if there is one. "
}
},
"LicenseServerEndpointId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId",
"traits": {
"smithy.api#documentation": " The ID of the license server endpoint. "
}
},
"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The ARN of the <code>ServerEndpoint</code> resource for the RDS \n\t\t\tlicense server. "
}
},
"LicenseServerEndpointProvisioningStatus": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
"traits": {
"smithy.api#documentation": " The current state of the provisioning process for the RDS license \n\t\t\tserver endpoint "

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            }
        },
        "LicenseServers": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerList",
            "traits": {
                "smithy.api#documentation": "<p>An array of <code>LicenseServer</code> resources that represent
the \n\t\t\tlicense servers that are accessed through this endpoint.</p>"
            }
        },
        "CreationTime": {

      "target": "smithy.api#Timestamp",
            "traits": {
                "smithy.api#documentation": "<p>The timestamp when License Manager created the license server
endpoint.</p>"
            }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Contains details about a network endpoint for a Remote Desktop
Services (RDS) \n\t\t\tlicense server.</p>"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId": {
      "type": "string"
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus": {
      "type": "string",
      "traits":
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        "smithy.api#enum": [
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                "name": "PROVISIONING",
                "value": "PROVISIONING",
                "documentation": ""
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            {
                "name": "PROVISIONING_FAILED",
                "value": "PROVISIONING_FAILED",
                "documentation": ""
            },
            {
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"name": "PROVISIONED",
"value": "PROVISIONED",
"documentation": ""
},
{
"name": "DELETING",
"value": "DELETING",
"documentation": ""
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{
"name": "DELETION_FAILED",
"value": "DELETION_FAILED",
"documentation": ""
},
{
"name": "DELETED",
"value": "DELETED",
"documentation": ""
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},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "HEALTHY",
"value": "HEALTHY",
"documentation": ""
},
{
"name": "UNHEALTHY",
"value": "UNHEALTHY",
"documentation": ""
},
{
"name": "NOT_APPLICABLE",
"value": "NOT_APPLICABLE",
"documentation": ""
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerList":
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"type": "list",
"member": {

"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServer"
}
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"com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings": {
"type": "structure",
"members": {
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of license server. ",
"smithy.api#required": {}
}
},
"ServerSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerSettings",
"traits": {
"smithy.api#documentation": " The <code>ServerSettings</code> resource contains the settings for your \n\t\t\tserver. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The settings to configure your license server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},

{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Active Directory identity providers for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/ListIdentityProviders"
},

"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "IdentityProviderSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Product \n \n \n DirectoryId \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse": {
"type": "structure",
"members": {
"IdentityProviderSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
"traits": {

"smithy.api#documentation": " An array of <code>IdentityProviderSummary</code> resources that contain \n\t\t\tdetails about the Active Directory identity providers that meet the request criteria. ",
"smithy.api#required": {}
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the EC2 instances providing user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/instance/ListInstances"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
"type": "structure",
"members": {
"MaxResults": {

"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken

\n\tfrom a previously truncated response. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n
\n \n Status \n \n \n InstanceId \n
\n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
"type": "structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
"traits": {
"smithy.api#documentation": " An array of <code>InstanceSummary</code> resources that
contain details \n\t\t\tabout the instances that provide user-based subscriptions and also meet the \n\t\t\trequest
criteria. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When
this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token
\n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List the Remote Desktop Services (RDS) License Server endpoints
",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/ListLicenseServerEndpoints"
},
"smithy.api#paginated": {

"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "LicenseServerEndpoints"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single
request. ",
"smithy.api#range": {
"min": 1,
"max": 100

```
                }
            }
        },
        "Filters": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
            "traits":
 {
                "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
<ul>\n            <li>\n              <p>IdentityProviderArn</p>\n            </li>\n        </ul>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse": {
    "type": "structure",
    "members": {
        "LicenseServerEndpoints": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList",
             "traits": {
                "smithy.api#documentation": "<p>An array of <code>LicenseServerEndpoint</code> resources that
\n\t\t\tcontain detailed information about the RDS License Servers that meet \n\t\t\tthe request criteria.</p>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to retrieve additional objects.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
    "type": "operation",
```

"input": {

"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the user-based subscription products available from an identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListProductSubscriptions"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "ProductUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
"type":

"structure",
"members": {
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n
Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
"
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {

"smithy.api#documentation": " The maximum number of results to return from a single
request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n
\n \n Status \n \n \n Username \n
\n \n Domain \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {

"type": "structure",
"members": {
"ProductUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to
retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

}
],
"traits": {
"smithy.api#documentation": " Returns the list of tags for the specified resource. ",
"smithy.api#http": {
"method": "GET",
"uri": "/tags/{ResourceArn}"

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            },
            "smithy.api#readonly": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource whose tags
you want to retrieve.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {

    "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The tags for the specified resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
```

{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits":
{
"smithy.api#documentation": " Lists user associations for an identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListUserAssociations"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required":
{}
}
},
"IdentityProvider": {

"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Status \n \n \n Username \n \n \n Domain \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
"type": "structure",
"members": {
"InstanceUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list user association operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "

```
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
        "type": "structure",
        "members": {
          "Username": {
            "target": "smithy.api#String",
            "traits":
 {
              "smithy.api#documentation": "<p>The user name from the identity provider for this product
user.</p>",
              "smithy.api#required": {}
            }
          },
          "Product": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
              "smithy.api#required": {}
            }
          },
          "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
              "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
              "smithy.api#required": {}
            }
          },
          "Status": {
            "target": "smithy.api#String",

            "traits": {
              "smithy.api#documentation": "<p>The status of a product for this user.</p>",
              "smithy.api#required": {}
            }
          },
          "ProductUserArn": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
            "traits": {
              "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) for this product user.</p>"
            }
          },
          "StatusMessage": {
```

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for a product for this user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains the user information for the product subscription. "
}
},
"SubscriptionStartDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The start date of a subscription. "
}
},
"SubscriptionEndDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The end date of a subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " A summary of the user-based subscription products for a specific user. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings": {
"type": "structure",
"members": {
"RdsSalCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
"traits": {
"smithy.api#documentation": " The <code>CredentialsProvider</code> resource contains a reference to \n\t\t\tthe credentials provider that's used for RDS license server user administration. ",
"smithy.api#required": {}
}
}
},

"traits": {
"smithy.api#documentation": " Server settings that are specific to a Remote Desktop Services (RDS) license server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
"type":
"operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Registers an identity provider for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/RegisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {

"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider to register. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration \n\t\t\tsettings such as the subnets to provision VPC endpoints. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply to the identity provider's registration. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,510})/([a-z0-9-\\.]{1,510})$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The resource couldn't be found. ",
"smithy.api#error": "client",
"smithy.api#httpError": 404
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider": {
"type": "structure",
"members": {
"SecretId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the Secrets Manager secret that contains credentials. ",
"smithy.api#length": {
"min": 1
}
}
}
},
"traits": {
"smithy.api#documentation": " Contains a credentials secret that's stored in Secrets Manager. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {

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        "type": "string",
        "traits": {
          "smithy.api#length": {
            "min": 5,
            "max": 200
          },
          "smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint": {
        "type": "structure",
        "members": {
          "Endpoint": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The network address of the endpoint.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>A network endpoint through which you can access one or more
servers.</p>"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ServerSettings": {
        "type": "union",
        "members": {
          "RdsSalSettings": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings",
            "traits": {
              "smithy.api#documentation": "<p>The <code>RdsSalSettings</code> resource
 contains settings to configure \n\t\t\ta specific Remote Desktop Services (RDS) license server.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Contains settings for a specific server.</p>"
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ServerType": {
        "type": "string",
        "traits": {
          "smithy.api#enum": [
            {
              "name": "RDS_SAL",
              "value": "RDS_SAL",
              "documentation": ""
            }
```

```
            ]
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>The request failed because a service quota is exceeded.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Settings": {
        "type": "structure",
        "members": {
            "Subnets": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
                "traits": {
                    "smithy.api#documentation": "<p>The subnets defined for the registered identity provider.</p>",
                    "smithy.api#length": {
                        "min": 1
                    },
                    "smithy.api#required": {}
                }
            },
            "SecurityGroupId": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
                "traits": {
                    "smithy.api#documentation": "<p>A security group ID that allows inbound
 TCP port 1688 communication between resources in\n\t\t\tyour VPC and the VPC endpoint for activation
servers.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The registered identity providers product related configuration settings
such as the\n\t\t\tsubnets to provision VPC endpoints, and the security group ID that is associated with the
VPC\n\t\t\tendpoints. The security group should permit inbound TCP port 1688 communication from
resources\n\t\t\tin the VPC.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
        "type": "operation",
```

"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Starts a product subscription for a user with the specified identity provider. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your\n\t\t\t\tmonthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StartProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
"type":
"structure",
"members": {
"Username": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n
Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code>
| <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains the user
for whom to start the product \n\t\t\tsubscription. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply to the product subscription. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse":
{
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {

"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],

"traits": {
"smithy.api#documentation": " Stops a product subscription for a user with the specified identity provider. ",
"smithy.api#http": {
"code": 200,

```
            "method": "POST",
            "uri": "/user/StopProductSubscription"
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
        "type": "structure",
        "members": {
          "Username": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>"
            }
          },
          "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
              "smithy.api#documentation": "<p>An
object that specifies details for the identity provider.</p>"
            }
          },
          "Product": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
            }
          },
          "ProductUserArn": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
            "traits": {
              "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the product user.</p>"
            }
          },
          "Domain": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The
domain name of the  Active Directory that contains the user for whom to stop the product \n\t\t\tsubscription.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
```

"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Subnet": {
"type": "string",
"traits": {
"smithy.api#pattern": "^subnet-[a-z0-9]{8,17}"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Subnets": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
}
},
"com.amazonaws.licensemanagerusersubscriptions#TagKeyList": {
"type": "list",
"member": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#TagResource": {

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Adds tags to a resource. ",
"smithy.api#http": {
"method": "PUT",
"uri": "/tags/{ResourceArn}"
},

"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource that you want to tag. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags to apply to the specified resource. ",
"smithy.api#required": {}
}
}

```
        },
        "traits":
{
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Tags": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
        "value": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }

     },
        "traits": {
            "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the
request.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest"
        },
```

```
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Removes
 tags from a resource.</p>",
            "smithy.api#http": {
                "method": "DELETE",
                "uri": "/tags/{ResourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want
 to remove tags from.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "TagKeys": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#TagKeyList",
                "traits": {

 "smithy.api#documentation": "<p>The tag keys to remove from the resource.</p>",
                    "smithy.api#httpQuery": "tagKeys",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse": {
```

"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates additional product configuration settings for the registered identity\n\t\t\tprovider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/UpdateIdentityProviderSettings"
},
"smithy.api#idempotent": {}

}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider"
},
"Product": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n
Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
"
}
},
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the
identity provider to update. "
}
},
"UpdateSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related
configuration settings. You can\n\t\t\tupdate any combination of settings in a single operation such as the: \n
\n \n Subnets which you want to add to provision VPC endpoints. \n \n
\n Subnets which you want to remove the VPC endpoints from. \n \n
\n Security group ID which permits traffic to the VPC endpoints. \n \n ",
"smithy.api#required": {}
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
"type": "structure",

"members": {
"AddSubnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets in which License Manager will create a VPC endpoint
for products that\n\t\t\trequire connectivity to activation servers. ",
"smithy.api#required": {}
}
},
"RemoveSubnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets to remove. ",
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688 communication between resources in\n\t\t\tyour VPC and the VPC endpoints for activation servers. "
}
}
},
"traits": {
"smithy.api#documentation":
" Updates the registered identity providers product related configuration settings such as\n\t\t\tthe subnets to provision VPC endpoints. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " A parameter is not valid. ",
"smithy.api#error": "client"
}
}
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32
```

```
 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack,
 options, "ListLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
```

```
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
 err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil
 {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "ListLicenses",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
```

```
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.Entitlement

 // Home Region for the license.
 //
 // This member is required.
 HomeRegion *string

 // License issuer.
 //
```

```
 // This member is required.
 Issuer *types.Issuer

 // License name.
 //
 // This member is required.
 LicenseName *string

 // Product name.
 //
 // This member is required.
 ProductName *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // Date and time range during which the license is valid, in ISO8601-UTC format.
 //
 // This member is required.
 Validity *types.DatetimeRange

 // Information about
 the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
```

```
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if
err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
```

```
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err
 = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack);
 err != nil {
  return err
```

```
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
```

```
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if
 err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
```

```
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if
 err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
 }
}
ListLicenses
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
```

```
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
```

```
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }
```

```
if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err
!= nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options);
```

```
 err != nil {
  return err
 }
 if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
```

CheckoutLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
DisassociateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation

spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AssociateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step

```
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
```

```
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {
```

```
 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
```

```
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
```

```
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options);
 err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
```

}
CheckInLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AWS SDK for Go
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Copyright 2014-2015 Stripe, Inc.
ListReceivedLicenses
Initialize stack step
spanInitializeStart

```
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
```

```
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
```

```
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err !=
 nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
```

```
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err
 != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
```

```
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if
 err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
CreateLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
```

Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "shapes": {
    "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
      "type": "integer"
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
      "type": "long"
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
        },
        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
        },

    {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
        },
        {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
        }
      ],
      "traits": {
        "smithy.api#documentation": "<p>Remove a third-party subscription provider from the Bring Your Own
License (BYOL) subscriptions \n\t\t\tregistered to your account.</p>",
        "smithy.api#http": {
          "code": 200,
          "method": "POST",
```

```
            "uri": "/subscription/DeregisterSubscriptionProvider"
          },
          "smithy.api#idempotent": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
          "SubscriptionProviderArn": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
            "traits": {
              "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the subscription provider
resource to deregister.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
        "type": "structure",
        "members": {},
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
        "type": "structure",
        "members": {
          "Name": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The type of name to filter by.</p>"
            }
          },
          "Values": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
            "traits": {
              "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
            }
          },
          "Operator": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
            "traits": {
              "smithy.api#documentation": "<p>An operator for filtering results.</p>"
            }
```

```
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe
operation.\n      Filters can be used to match a set of resources by specific criteria.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
        "type":
 "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
        },
        "output": {
            "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
             },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Get details for a Bring Your Own License (BYOL) subscription that's
registered to your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/GetRegisteredSubscriptionProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
```

"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation":
" The Amazon Resource Name (ARN) of the BYOL registration resource to get details for. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) for the BYOL registration resource specified in the request. "
}
},
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

"traits": {
"smithy.api#documentation": " The subscription provider for the BYOL registration resource specified \n\t\t\tin the request. "
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " The status of the Linux subscription provider access token from the last \n\t\t\tsuccessful subscription data request. "
}
},

"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The detailed message from your subscription provider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time License Manager retrieved subscription details \n\t\t\tfrom your registered third-party Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions service settings for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetServiceSettings"

},
"smithy.api#idempotent": {}

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
        "type": "structure",
        "members": {}
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
                    "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
                }
            },
            "LinuxSubscriptionsDiscoverySettings": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
                "traits": {
                    "smithy.api#documentation": "<p>Lists
 the settings defined for Linux subscriptions discovery. The settings include if\n      Organizations integration has
been enabled, and which Regions data will be aggregated from.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
                "traits": {
                    "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
                }
            },
            "HomeRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                 "traits": {
                    "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
        "type": "structure",
```

"members": {
"AmiId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The AMI ID used to launch the instance. "
}
},
"InstanceID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The instance ID of the resource. "
}
},
"InstanceType": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The instance type of the resource. "
}
},
"AccountID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The account ID which owns the instance. "
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the instance. "
}
},
"Region": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},

"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the license subscription that the instance uses. "
}
},
"OsVersion": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The operating system software version that runs on your instance. "
}
},
"SubscriptionProviderCreateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp when you registered the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses. "
}
},
"SubscriptionProviderUpdateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that the instance synced with the registered \n\t\t\tthird-party Linux subscription provider. "
}
},
"DualSubscription": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Indicates that you have two different license subscriptions for \n\t\t\tthe same software on your instance. "
}

```
            },
            "RegisteredWithSubscriptionProvider": {
                "target": "smithy.api#String",
                "traits": {

    "smithy.api#documentation": "<p>Indicates that your instance uses a BYOL license subscription from \n\t\t\ta
third-party Linux subscription provider that you've registered with License Manager.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details discovered information about a running instance using Linux
subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>An exception occurred with the service.</p>",
            "smithy.api#error": "server"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
        "type": "service",
        "version": "2018-05-10",
        "operations": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
            },
            {
```

```
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
    },
    {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
    }
],
"traits": {
    "aws.api#service": {
        "sdkId": "License Manager Linux Subscriptions",
        "arnNamespace": "license-manager-linux-subscriptions",
        "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
    },
    "aws.auth#sigv4": {
        "name": "license-manager-linux-subscriptions"
    },
    "aws.protocols#restJson1": {},
    "smithy.api#cors": {
        "additionalAllowedHeaders": [
            "*",
            "content-type",
            "x-amz-content-sha256",
            "x-amz-user-agent",
            "x-amzn-platform-id",
            "x-amzn-trace-id"
        ],
        "additionalExposedHeaders": [
            "x-amzn-errortype",
            "x-amzn-requestid",
            "x-amzn-trace-id"
        ]
```

```
        },
        "smithy.api#documentation": "<p>With License Manager,
 you can discover and track your commercial Linux subscriptions on running\n      Amazon EC2 instances.</p>",
        "smithy.api#title": "AWS License Manager Linux Subscriptions",
        "smithy.rules#endpointRuleSet": {
          "version": "1.0",
          "parameters": {
            "Region": {
              "builtIn": "AWS::Region",
              "required": false,
              "documentation": "The AWS region used to dispatch the request.",
              "type": "String"
            },
            "UseDualStack": {
              "builtIn": "AWS::UseDualStack",
              "required": true,
              "default": false,
              "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
               "type": "Boolean"
            },
            "UseFIPS": {
              "builtIn": "AWS::UseFIPS",
              "required": true,
              "default": false,
              "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
              "type": "Boolean"
            },
            "Endpoint": {
              "builtIn": "SDK::Endpoint",
              "required": false,
              "documentation": "Override the endpoint used to send this request",
              "type": "String"
            }
          },
          "rules": [
            {
              "conditions": [
                  {
                    "fn": "isSet",
                    "argv": [
                        {
                          "ref": "Endpoint"
                        }
                    ]
                  }
              ],
```

```
                "rules": [
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    {
                                        "ref": "UseFIPS"
                                    },
                                    true
                                ]
                            }

        ],
                        "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                        "type": "error"
                    },
                    {
                        "conditions": [],
                        "rules": [
                            {
                                "conditions": [
                                    {
                                        "fn": "booleanEquals",
                                        "argv": [
                                            {
                                                "ref": "UseDualStack"
                                            },
                                            true
                                        ]

}
                                ],
                                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                                "type": "error"
                            },
                            {
                                "conditions": [],
                                "endpoint": {
                                    "url": {
                                        "ref": "Endpoint"
                                    },
                                    "properties": {},
                                    "headers": {}
                                },
                                "type": "endpoint"
                            }
                        ],
```

"type": "tree"

}
],
"type": "tree"
},
{
"conditions": [],
"rules": [
{
"conditions": [
{
"fn": "isSet",
"argv": [
{
"ref": "Region"
}
]
}
],
"rules": [
{
"conditions": [
{

"fn": "aws.partition",
"argv": [
{
"ref": "Region"
}
],
"assign": "PartitionResult"
}
],
"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{

"ref": "UseFIPS"
},
true
]
},
{

```
                "fn": "booleanEquals",
                "argv": [
                  {
                    "ref": "UseDualStack"
                  },
                  true
                ]
              }

],
              "rules": [
                {
                  "conditions": [
                    {
                      "fn": "booleanEquals",
                      "argv": [
                        true,
                        {
                          "fn": "getAttr",
                          "argv": [
                            {
                              "ref": "PartitionResult"

},
                            "supportsFIPS"
                          ]
                        }
                      ]
                    },
                    {
                      "fn": "booleanEquals",
                      "argv": [
                        true,
                        {
                          "fn": "getAttr",
                          "argv": [

                           {
                              "ref": "PartitionResult"
                            },
                            "supportsDualStack"
                          ]
                        }
                      ]
                    }
                  ],
                  "rules": [
                    {
```

"conditions": [],

"rules": [
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
],

"type": "tree"
}
],
"type": "tree"
},
{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
],
"type": "tree"
},
{

"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"
},
true
]
}
],
"rules": [
{
"conditions": [
{

"fn": "booleanEquals",
"argv": [
{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsFIPS"
]
},
true

]
}
],
"rules": [
{
"conditions": [],
"rules": [
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.{Region}.{PartitionResult#dnsSuffix}",

"properties": {},
"headers": {}
},
"type": "endpoint"
}
],
"type": "tree"
}
],
"type": "tree"
},
{
"conditions": [],
"error": "FIPS is enabled but this partition does not support FIPS",
"type": "error"
}
],
"type": "tree"
},
{
"conditions": [

```
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            {
                                "ref": "UseDualStack"
                            },
                            true

                ]
                    }
                ],
                "rules": [
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    true,
                                    {
                                        "fn": "getAttr",
                                        "argv": [
                                            {

                                            "ref": "PartitionResult"
                                            },
                                            "supportsDualStack"
                                        ]
                                    }
                                ]
                            }
                        ],
                        "rules": [
                            {
                                "conditions": [],
                                "rules": [

        {
                                        "conditions": [],
                                        "endpoint": {
                                            "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                            "properties": {},
                                            "headers": {}
                                        },
                                        "type": "endpoint"
                                    }
                                ],
                                "type": "tree"
```

```
                    }
                        ],
                        "type": "tree"
                    },
                    {
                        "conditions": [],
                        "error": "DualStack is enabled but this partition does not support DualStack",
                        "type": "error"
                    }
                ],
                "type": "tree"
            },
            {
                "conditions": [],
                "rules": [
                    {
                        "conditions": [],
                        "endpoint": {
                            "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
                            "properties": {},
                            "headers": {}
                        },
                        "type": "endpoint"
                    }
                ],
                "type": "tree"
            }
        ],
        "type": "tree"
    }
    ],
    "type": "tree"
},
{
    "conditions": [],
    "error": "Invalid Configuration: Missing Region",
    "type": "error"
}
],
"type": "tree"
}
]
},
"smithy.rules#endpointTests": {
    "testCases": [
        {
```

"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"

}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{

"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
}
},
"params": {
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"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
}

```
        },
            "params": {
              "Region": "us-east-1",
              "UseFIPS": false,
              "UseDualStack": false
            }
          },
          {
            "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-linux-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
              }
            },
            "params": {
              "Region": "cn-north-1",
              "UseFIPS": true,
              "UseDualStack": true
            }
          },
          {

 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
              }
            },
            "params": {
              "Region": "cn-north-1",
              "UseFIPS": true,
              "UseDualStack": false
            }
          },
          {
            "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
              }
             },
            "params": {
              "Region": "cn-north-1",
              "UseFIPS": false,
              "UseDualStack": true
            }
          },
```

```
            {
              "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
                }
              },
              "params": {
                "Region": "cn-north-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {

"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
                }
              },
              "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": true,
                "UseDualStack": true
              }
            },
            {
              "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
                }

             },
              "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": true,
                "UseDualStack": false
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            {
              "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
                }
              },
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"UseDualStack": true
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {

"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack

enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS":
false,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},

{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},

"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{

"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {

"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
"type": "string",
"traits": {
"smithy.api#enum": [
{

"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled LinuxSubscriptionsDiscovery"

},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled LinuxSubscriptionsDiscovery"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
"type": "structure",
"members": {
"SourceRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Regions in which to discover data for Linux subscriptions. ",
"smithy.api#required": {}
}
},
"OrganizationIntegration": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
"traits": {
"smithy.api#documentation": " Details if you have enabled resource discovery across your accounts in Organizations. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Lists the settings defined for discovering Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

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            },

  {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the running Amazon EC2 instances that were discovered with
commercial Linux\n      subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListLinuxSubscriptionInstances"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "Instances"
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":
 {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results by your
specified criteria. \n    \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the
\n    \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n
\t<code>Value</code>, such as <code>us-west</code>.</p>\n        <p>For each filter, you can specify one of the
following values for the <code>Name</code> key \n    \tto streamline results:</p>\n        <ul>\n            <li>\n
   <p>\n                <code>AccountID</code>\n              </p>\n           </li>\n           <li>\n              <p>\n
      <code>AmiID</code>\n              </p>\n           </li>\n           <li>\n              <p>\n
<code>DualSubscription</code>\n              </p>\n           </li>\n           <li>\n              <p>\n
<code>InstanceID</code>\n              </p>\n           </li>\n           <li>\n              <p>\n
<code>InstanceType</code>\n              </p>\n           </li>\n           <li>\n              <p>\n
<code>ProductCode</code>\n              </p>\n           </li>\n           <li>\n              <p>\n
<code>Region</code>\n              </p>\n           </li>\n           <li>\n              <p>\n
<code>Status</code>\n              </p>\n           </li>\n           <li>\n              <p>\n
<code>UsageOperation</code>\n              </p>\n           </li>\n        </ul>\n        <p>For each filter, you can use
one of the following <code>Operator</code>
```

values to \n \t\tdefine the behavior of the filter: \n \n \n \n
<code>contains</code>\n \n \n \n \n
<code>equals</code>\n \n \n \n \n
<code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to
start paginating. This \n\tis the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
"type": "structure",
"members": {
"Instances": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
"traits": {
"smithy.api#documentation": " An array that contains instance objects. "
}
},
"NextToken": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects. "
}
}
}

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
             {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the Linux subscriptions that have been discovered. If you have
linked your\n      organization, the returned results will include data aggregated across your accounts in\n
Organizations.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListLinuxSubscriptions"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",

   "items": "Subscriptions"
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify. For example, you can filter by the name of\n
 <code>Subscription</code> with an optional operator to see subscriptions that match,\n      partially match, or don't
```

match a certain subscription's name. \n The valid names for this filter are: \n \n
\n \n <code>Subscription</code>\n \n \n \n
The
 valid Operators for this filter are: \n \n \n \n
<code>contains</code>\n \n \n \n \n
<code>equals</code>\n \n \n \n \n
<code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis
 the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
"type": "structure",
"members": {
"Subscriptions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
"traits": {
"smithy.api#documentation": " An array that contains subscription objects. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects. "
}

```
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
        "type": "operation",
        "input": {
            "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
        },
        "output": {
            "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>List Bring Your Own License (BYOL) subscription registration
resources for your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListRegisteredSubscriptionProviders"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "RegisteredSubscriptionProviders"
            }
        }

    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSources": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
```

"traits": {
"smithy.api#documentation": " To filter your results, specify which subscription providers to return \n\t\t\tin the list. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. ",
"smithy.api#range": {
"min": 1,
"max": 100
}
}

},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis the nextToken from a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
"type": "structure",
"members": {
"RegisteredSubscriptionProviders": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
"traits": {
"smithy.api#documentation": " The list of BYOL registration resources that fit the criteria \n\t\t\tyou specified in the request. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
},

"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List the metadata tags that are assigned to the \n\t\t\tspecified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "GET",
"uri": "/tags/{resourceArn}"
},
"smithy.api#readonly": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource for which to list metadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
}
},
"traits": {

```
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags for the requested resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "EQUAL",
                    "value": "Equal",
                    "documentation": "Equal operator"
                },
                {
                    "name": "NOT_EQUAL",
                    "value": "NotEqual",
                    "documentation": "Not equal operator"
                },
                {
                    "name": "CONTAINS",
                    "value": "Contains",
                    "documentation": "Contains operator"
                }
            ],
            "smithy.api#length": {
                "min": 1,
                "max": 20
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
        "type": "string",
        "traits": {
            "smithy.api#enum": [
```

```
            {
                "name": "Enabled",
                "value": "Enabled",
                "documentation": "Enabled OrganizationIntegration"
            },
            {
                "name": "Disabled",
                "value": "Disabled",
                "documentation": "Disabled OrganizationIntegration"
            }
        ]
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
     },
    "output": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Register the supported third-party subscription provider for your Bring
Your Own License (BYOL) subscription.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/subscription/RegisterSubscriptionProvider"

      },
        "smithy.api#idempotent": {}
```

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation": "<p>The supported Linux subscription provider to register.</p>",
                    "smithy.api#required": {}
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the secret where you've
stored your subscription provider's access token. For \n\t\t\tRHEL subscriptions managed through the
 Red Hat Subscription Manager (RHSM), the secret contains \n\t\t\tyour Red Hat Offline token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags to assign to your registered Linux subscription
provider \n\t\t\tresource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation":
 "<p>The Linux subscription provider that you registered.</p>"
                }
            },
            "SubscriptionProviderArn": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
```

```
                }
            },
            "SubscriptionProviderStatus": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of the registration action for the Linux
subscription provider \n\t\t\tthat you requested.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider":
 {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
                }
            },
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation": "<p>A supported third-party Linux subscription provider. License
Manager currently supports \n\t\t\tRed Hat subscriptions.</p>"
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                 "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Secrets Manager secret
that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is
the offline token.</p>"
                }
            },
            "SubscriptionProviderStatus": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of your registered Linux subscription provider
access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions,
\n\t\t\tthis is the status of the offline token.</p>"
                }
            },
```

"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " A detailed message that's associated with your BYOL subscription \n\t\t\tprovider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that License Manager accessed third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#documentation": " A third-party provider for operating system (OS) platform software and license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider, License Manager can get subscription data from the registered provider. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " Unable to find the requested Amazon Web Services resource. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-\\.]{0,63}:secret:[^/]{1,1023}$"

```
}
  },
  "com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
    "type": "string",
    "traits": {
      "smithy.api#enum": [
        {
          "name": "InProgress",
          "value": "InProgress",
          "documentation": "InProgress status"
        },
        {
          "name": "Completed",
          "value": "Completed",
          "documentation": "Completed status"
        },
        {
          "name": "Successful",
          "value": "Successful",
          "documentation": "Successful status"
        },
        {
          "name": "Failed",
          "value": "Failed",
          "documentation": "Failed status"
        }
      ]
    }
  },

  "com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
    "type": "list",
    "member": {
      "target": "smithy.api#String",
      "traits": {
        "smithy.api#length": {
          "min": 1,
          "max": 100
        }
      }
    },
    "traits": {
      "smithy.api#length": {
        "min": 1,
        "max": 100
      },
      "smithy.api#uniqueItems": {}
    }
```

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
        "value": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
        "type": "structure",
        "members": {
            "Name":
{
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the subscription.</p>"
                }
            },
            "Type": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included
with Amazon EC2, Bring Your Own\n      Subscription model (BYOS), or from the Amazon Web Services
Marketplace. Certain subscriptions may use licensing from the\n      Amazon Web Services Marketplace as well as
OS licensing from Amazon EC2 or BYOS.</p>"
                }
            },
            "InstanceCount": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>The total amount of running instances using this
subscription.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>An object which details a discovered Linux subscription.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
```

"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
"type": "string",
"traits": {
"smithy.api#enum": [

{
"name": "RedHat",
"value": "RedHat",
"documentation": "RedHat subscription provider namespace"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "ACTIVE",
"value": "ACTIVE",
"documentation": "ACTIVE status"
},
{
"name": "INVALID",
"value": "INVALID",

"documentation": "INVALID status"
},
{
"name": "PENDING",
"value": "PENDING",
"documentation": "PENDING status"
}
]
}
},

"com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
"type": "list",
"member": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Add metadata tags to the specified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "PUT",
"uri": "/tags/{resourceArn}"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
"type": "structure",
"members":
{
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",

"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to which to add the specified \n\t\t\tmetadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to the Amazon Web Services resource. Tags are \n\t\t\tformatted as key value pairs. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
"type": "structure",
"members": {
"message": {

"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation":
" The request was denied due to request throttling. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
}
],
"traits": {
"smithy.api#documentation": " Remove one or more metadata tag from the specified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "DELETE",
"uri": "/tags/{resourceArn}"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
"type": "structure",
"members": {
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to remove the metadata tags from. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"tagKeys": {

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
"traits": {

"smithy.api#documentation": " A list of metadata tag keys to remove from the requested \n\t\t\tresource. ",
"smithy.api#httpQuery": "tagKeys",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"

},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates the service settings for Linux subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/UpdateServiceSettings"
},

"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Describes if the discovery of Linux subscriptions is enabled. ",
"smithy.api#required": {}
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. ",
"smithy.api#required": {}
}
},
"AllowUpdate": {
"target": "smithy.api#Boolean",
"traits": {
"smithy.api#documentation": " Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "

```
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
                "traits": {
                    "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
                }

        },
            "HomeRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
            "smithy.api#error": "client"
        }
    }
  }
}
```


GetLicense

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

spanInitializeEnd

Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckoutBorrowLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID

ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger

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```
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// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
```

```
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
```

```
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack,
```

```
 c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err !=
 nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
```

```
 ServiceID:     ServiceID,
 OperationName: "AssociateLicense",
 }
}
```

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// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }
```

```
 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
   - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
```

```
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err =
```

```
addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err !=
nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
```

```
 return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
DeleteLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  spanRetryLoop
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
```

ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "metadata": {
      "suppressions": [
          {
              "id": "HttpMethodSemantics",
              "namespace": "*"
          },
          {
              "id": "HttpResponseCodeSemantics",
              "namespace": "*"
          },
          {
              "id": "PaginatedTrait",
              "namespace": "*"
          },
          {
              "id": "HttpHeaderTrait",
              "namespace": "*"
          },
          {
              "id": "HttpUriConflict",
              "namespace": "*"
          },
          {
              "id": "Service",
              "namespace": "*"
          }
      ]
  },
  "shapes": {
      "com.amazonaws.licensemanager#AWSLicenseManager": {
          "type": "service",
          "version": "2018-08-01",
          "operations": [
              {
                  "target": "com.amazonaws.licensemanager#AcceptGrant"
              },

   {
                  "target": "com.amazonaws.licensemanager#CheckInLicense"
              },
```

```
{
   "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
},
{
   "target": "com.amazonaws.licensemanager#CheckoutLicense"
},
{
   "target": "com.amazonaws.licensemanager#CreateGrant"
},
{
   "target": "com.amazonaws.licensemanager#CreateGrantVersion"
},
{
   "target": "com.amazonaws.licensemanager#CreateLicense"
},
{
   "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
},
{
   "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
},
{
   "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
 },
{
   "target": "com.amazonaws.licensemanager#CreateLicenseVersion"
},
{
   "target": "com.amazonaws.licensemanager#CreateToken"
},
{
   "target": "com.amazonaws.licensemanager#DeleteGrant"
},
{
   "target": "com.amazonaws.licensemanager#DeleteLicense"
},
{
   "target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
},
{
   "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
},
{
   "target": "com.amazonaws.licensemanager#DeleteToken"
},
{
   "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"
```

},
{
"target": "com.amazonaws.licensemanager#GetAccessToken"
},
{
"target": "com.amazonaws.licensemanager#GetGrant"
},
{
"target": "com.amazonaws.licensemanager#GetLicense"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseUsage"
},
{
"target": "com.amazonaws.licensemanager#GetServiceSettings"
},
{
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#ListDistributedGrants"
},
{
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
},
{
"target": "com.amazonaws.licensemanager#ListLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"

```
},
{

  "target": "com.amazonaws.licensemanager#ListLicenseVersions"
},
{
    "target": "com.amazonaws.licensemanager#ListReceivedGrants"
},
{
    "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
},
{
    "target": "com.amazonaws.licensemanager#ListReceivedLicenses"
},
{
    "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
},
{
    "target": "com.amazonaws.licensemanager#ListResourceInventory"
},
{
    "target": "com.amazonaws.licensemanager#ListTagsForResource"
},
{
    "target": "com.amazonaws.licensemanager#ListTokens"
},
{
    "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
 },
{
    "target": "com.amazonaws.licensemanager#RejectGrant"
},
{
    "target": "com.amazonaws.licensemanager#TagResource"
},
{
    "target": "com.amazonaws.licensemanager#UntagResource"
},
{
    "target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
},
{
    "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
},
{
    "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
},
{
```

"target": "com.amazonaws.licensemanager#UpdateServiceSettings"
}
],
"traits": {
"aws.api#service": {
"sdkId": "License Manager",
"arnNamespace": "license-manager",
"cloudFormationName": "LicenseManager",
"cloudTrailEventSource": "licensemanager.amazonaws.com",
"endpointPrefix": "license-manager"
},
"aws.auth#sigv4": {
"name": "license-manager"
},
"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
},
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {

```
            "builtIn": "SDK::Endpoint",
            "required": false,
            "documentation": "Override the endpoint used to send this request",
            "type": "String"
        }
    },
    "rules": [
        {
            "conditions": [
                {
                    "fn": "isSet",
                    "argv": [
                        {
                            "ref": "Endpoint"
                        }
                    ]

            }
            ],
            "type": "tree",
            "rules": [
                {
                    "conditions": [
                        {
                            "fn": "booleanEquals",
                            "argv": [
                                {
                                    "ref": "UseFIPS"
                                },
                                true
                            ]
                        }
                    ],
                    "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                    "type": "error"
                },
                {

"conditions": [
                        {
                            "fn": "booleanEquals",
                            "argv": [
                                {
                                    "ref": "UseDualStack"
                                },
                                true
                            ]
                        }
```

```
            ],
            "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
            "type": "error"
        },
        {
            "conditions": [],
            "endpoint": {
                "url": {
                    "ref": "Endpoint"
                },
                "properties": {},
                "headers": {}
            },
            "type": "endpoint"
        }
    ]
},
{
    "conditions": [
        {
            "fn": "isSet",
            "argv": [
                {
                    "ref": "Region"
                }
            ]
        }
    ],
    "type": "tree",
    "rules": [
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            "conditions": [
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                    "fn": "aws.partition",
                    "argv": [
                        {
                            "ref": "Region"
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                    ],
                    "assign": "PartitionResult"
                }
            ],
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            "rules": [
                {
                    "conditions": [
                        {
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```

```
                "argv": [
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"UseFIPS"
                  },
                  true
                ]
              },
              {
                "fn": "booleanEquals",
                "argv": [
                  {
                    "ref": "UseDualStack"
                  },
                  true
                ]
              }
            ],
            "type": "tree",
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                      {
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                        "argv": [
                          {
                            "ref": "PartitionResult"
                          },
                          "supportsFIPS"
                        ]

                }
                    ]
                  },
                  {
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                    "argv": [
                      true,
                      {
                        "fn": "getAttr",
                        "argv": [
                          {
                            "ref": "PartitionResult"
                          },
```

"supportsDualStack"
]
}
]
}
],
"type": "tree",
"rules": [
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}

},
"type": "endpoint"
}
]
},
{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
]
},
{
"conditions": [
{
"fn": "booleanEquals",

"argv": [
{
"ref": "UseFIPS"
},
true
]
}
],
"type": "tree",
"rules": [
{
"conditions": [
{

```
                "fn": "booleanEquals",
                "argv": [
                  true,

            {
                    "fn": "getAttr",
                    "argv": [
                      {
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                      },
                      "supportsFIPS"
                    ]
                  }
                ]
              }
            ],
            "type": "tree",
            "rules": [

            {
                "conditions": [],
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                  "url": "https://license-manager-fips.{Region}.{PartitionResult#dnsSuffix}",
                  "properties": {},
                  "headers": {}
                },
                "type": "endpoint"
              }
            ]
          },
          {
            "conditions": [],
            "error": "FIPS is enabled but this
partition does not support FIPS",
            "type": "error"
          }
        ]
      },
      {
        "conditions": [
          {
            "fn": "booleanEquals",
            "argv": [
              {
                "ref": "UseDualStack"
              },
              true
            ]
```

```
                    }
                ],
                "type": "tree",
                 "rules": [
                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
                                    true,
                                    {
                                        "fn": "getAttr",
                                        "argv": [
                                            {
                                                "ref": "PartitionResult"
                                            },

    "supportsDualStack"
                                        ]
                                    }
                                ]
                            }
                        ],
                        "type": "tree",
                        "rules": [
                            {
                                "conditions": [],
                                "endpoint": {
                                    "url": "https://license-
manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                    "properties": {},
                                    "headers": {}

                },
                            "type": "endpoint"
                            }
                        ]
                    },
                    {
                        "conditions": [],
                        "error": "DualStack is enabled but this partition does not support DualStack",
                        "type": "error"
                    }
                ]
            },
            {
                "conditions": [],
                "endpoint": {
```

```
                "url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
                "properties": {},
                "headers": {}
            },
            "type": "endpoint"
        }
      ]
    }
  ]
},
{
  "conditions": [],
  "error": "Invalid Configuration: Missing Region",
  "type": "error"
}
]
},
"smithy.rules#endpointTests": {
  "testCases": [
    {
      "documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint":
{
          "url": "https://license-manager.af-south-1.amazonaws.com"
        }
      },
      "params": {
        "Region": "af-south-1",
        "UseFIPS": false,
        "UseDualStack": false
      }
    },
    {
      "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.ap-east-1.amazonaws.com"
        }
      },
      "params": {
        "Region": "ap-east-1",
        "UseFIPS": false,
        "UseDualStack": false
       }
    },
    {
      "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",
```

```
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ap-northeast-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "ap-northeast-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
            "expect": {
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                    "url": "https://license-manager.ap-northeast-2.amazonaws.com"
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            "params": {
                "Region": "ap-northeast-2",
                "UseFIPS": false,
                "UseDualStack": false
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            "expect": {
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                    "url": "https://license-manager.ap-northeast-3.amazonaws.com"
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            "params": {
                "Region": "ap-northeast-3",
                "UseFIPS": false,
                "UseDualStack": false
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            "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
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            "params": {
                "Region": "ap-south-1",
                "UseFIPS": false,
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"UseDualStack": false
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"documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
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"params": {
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"UseFIPS": false,
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"expect": {
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"url": "https://license-manager.ap-southeast-2.amazonaws.com"
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"params": {
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"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager.ap-southeast-3.amazonaws.com"
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"Region": "ap-southeast-3",
"UseFIPS": false,
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"documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager.ca-central-1.amazonaws.com"
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"params": {
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"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
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"url": "https://license-manager.eu-central-1.amazonaws.com"
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"params": {
"Region": "eu-central-1",
"UseFIPS": false,
"UseDualStack": false
}
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"documentation": "For region eu-north-1 with FIPS
disabled and DualStack disabled",
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"endpoint": {
"url": "https://license-manager.eu-north-1.amazonaws.com"
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"params": {
"Region": "eu-north-1",
"UseFIPS": false,
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"params": {
"Region":
"eu-south-1",
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"UseDualStack": false
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"documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
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"params": {
"Region": "eu-west-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
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"url": "https://license-manager.eu-west-2.amazonaws.com"
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"params": {
"Region": "eu-west-2",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
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"params": {
"Region": "eu-west-3",
"UseFIPS": false,

"UseDualStack": false
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        "params": {
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            "UseDualStack": false
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                "url": "https://license-manager.sa-east-1.amazonaws.com"
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        "params": {
            "Region": "sa-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
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        "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
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                "url": "https://license-manager.us-east-1.amazonaws.com"
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        "params": {
            "Region": "us-east-1",
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            "UseDualStack": false
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                "url": "https://license-manager-fips.us-east-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "us-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
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              "expect": {
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                  "url": "https://license-manager.us-east-2.amazonaws.com"
                }

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              "params": {
                "Region": "us-east-2",
                "UseFIPS": false,
                "UseDualStack": false
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              "expect": {
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              "params": {
                "Region": "us-east-2",
                "UseFIPS": true,
                "UseDualStack": false
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              "documentation": "For region
us-west-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
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                "UseFIPS": false,
                "UseDualStack": false
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                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": true,

                "UseDualStack": true
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                "UseFIPS": false,
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              "expect": {
                "endpoint": {
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"https://license-manager.cn-north-1.amazonaws.com.cn"
                }
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              "params": {
                "Region": "cn-north-1",
                "UseFIPS": false,
                "UseDualStack": false
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              "documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
                }
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              "params": {
                "Region": "cn-northwest-1",
                "UseFIPS": false,
                "UseDualStack": false

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              "expect": {
                "endpoint": {
                  "url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
                }
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          "UseDualStack": true
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        "expect": {
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          }
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        "params": {
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          "UseFIPS": false,
          "UseDualStack": false
        }
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"expect": {
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"url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
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"documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
"expect": {
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"expect": {
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
}
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {

"url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
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"params": {
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"UseDualStack": false
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled
but this partition does not support DualStack"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
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"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"UseFIPS": true,
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"expect": {
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}
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"params": {
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"UseDualStack": false
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{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
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"expect": {
"endpoint": {
"url": "https://example.com"
}
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
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"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
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"url": "https://example.com"
}
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"params": {
"UseFIPS": false,

"UseDualStack": false,
"Endpoint": "https://example.com"
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"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
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"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
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"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
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"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
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"com.amazonaws.licensemanager#AcceptGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
"output": {

"target": "com.amazonaws.licensemanager#AcceptGrantResponse"
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"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
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"target": "com.amazonaws.licensemanager#AuthorizationException"
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"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
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"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
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"target": "com.amazonaws.licensemanager#ValidationException"

}
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"traits": {
"smithy.api#documentation": " Accepts the specified grant. "
}
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"com.amazonaws.licensemanager#AcceptGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
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"traits": {
"smithy.api#input": {}
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"com.amazonaws.licensemanager#AcceptGrantResponse": {
"type": "structure",
"members": {

"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant
ARN. "
}
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"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
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"com.amazonaws.licensemanager#AccessDeniedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
"httpResponseCode": 401
},
"smithy.api#documentation": " Access to resource denied. ",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
"type": "enum",
"members": {
"DISTRIBUTED_GRANTS_ONLY": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
}
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"ALL_GRANTS_PERMITTED_BY_ISSUER": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
}
}
}
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"com.amazonaws.licensemanager#AllowedOperation": {

"type": "enum",
"members": {
"CREATE_GRANT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateGrant"
}
},
"CHECKOUT_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutLicense"
}
},
"CHECKOUT_BORROW_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckoutBorrowLicense"
}
},
"CHECK_IN_LICENSE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CheckInLicense"
}
},
"EXTEND_CONSUMPTION_LICENSE":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ExtendConsumptionLicense"
}
},
"LIST_PURCHASED_LICENSES": {
"target": "smithy.api#Unit",

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            "traits": {
                "smithy.api#enumValue": "ListPurchasedLicenses"
            }
        },
        "CREATE_TOKEN": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "CreateToken"
            }
        }
    }
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"com.amazonaws.licensemanager#AllowedOperationList": {
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    "member": {
        "target": "com.amazonaws.licensemanager#AllowedOperation"
    },
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max":
7
        }
    }
},
"com.amazonaws.licensemanager#Arn": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 2048
        },
        "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-
z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
    }
},
"com.amazonaws.licensemanager#ArnList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Arn"
    }
},
"com.amazonaws.licensemanager#AuthorizationException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
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        },
        "traits": {
          "aws.protocols#awsQueryError":
 {
            "code": "AuthorizationFailure",
            "httpResponseCode": 403
          },
          "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to
perform the action. Check the IAM\n        policy associated with this account.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 403
        }
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      "com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
        "type": "structure",
        "members": {
          "LastRunTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Describes automated discovery.</p>"
        }
      },

    "com.amazonaws.licensemanager#Boolean": {
        "type": "boolean",
        "traits": {
          "smithy.api#default": false
        }
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      "com.amazonaws.licensemanager#BorrowConfiguration": {
        "type": "structure",
        "members": {
          "AllowEarlyCheckIn": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
              "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
              "smithy.api#required": {}
            }
          },
          "MaxTimeToLiveInMinutes": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
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                "smithy.api#required": {}
            }
        }

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        "traits": {
            "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#BoxBoolean": {
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    "com.amazonaws.licensemanager#BoxInteger": {
        "type": "integer"
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    "com.amazonaws.licensemanager#BoxLong": {
        "type": "long"
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        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"

     },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseRequest":
{
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
        },
```

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{
"target":
"com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license for offline use. "
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
"type": "structure",
"members":
{
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The license must

use the borrow consumption configuration. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. Partial checkouts are not supported. ",
"smithy.api#required": {}
}
},
"DigitalSignatureMethod": {
"target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
"traits": {
"smithy.api#documentation": " Digital signature method. The possible
value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see <a
href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS. ",
"smithy.api#required": {}
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation":
" Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
"type": "structure",
"members": {

"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},
"EntitlementsAllowed":
{
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " Allowed license entitlements. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout
is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout expires. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "

```
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#CheckoutLicense": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
         },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#RedirectException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
          },
          {
            "target":
"com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
```

"traits": {
"smithy.api#documentation": " Checks out the specified license. \n <note>\n If the account that created the license is the same that is performing the check out, you must\n specify the account as the beneficiary. \n </note>"
}
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
"type": "structure",
"members": {
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. ",
"smithy.api#required": {}
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Key fingerprint identifying the license. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Beneficiary": {

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            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License beneficiary.</p>"
            }
        },
        "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
            }
        }
    },
    "traits": {

   "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
    "type": "structure",
    "members": {
        "CheckoutType": {
            "target": "com.amazonaws.licensemanager#CheckoutType",
            "traits": {
                "smithy.api#documentation": "<p>Checkout type.</p>"
            }
        },
        "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License consumption token.</p>"
            }
        },
        "EntitlementsAllowed": {
            "target": "com.amazonaws.licensemanager#EntitlementDataList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
            }
        },
         "SignedToken": {
            "target": "com.amazonaws.licensemanager#SignedToken",
            "traits": {
                "smithy.api#documentation": "<p>Signed token.</p>"
            }
        },
        "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
```

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            }
          },
          "IssuedAt": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
            }
          },
          "Expiration": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
            }
          },
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#CheckoutType": {
        "type": "enum",
        "members": {
          "PROVISIONAL": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "PROVISIONAL"
            }
          },
          "PERPETUAL": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "PERPETUAL"
            }
           }
        }
      },
      "com.amazonaws.licensemanager#ClientRequestToken": {
        "type": "string",
        "traits": {
          "smithy.api#length": {
            "min": 1,
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            "max": 36
          }
        }
      },
      "com.amazonaws.licensemanager#ClientToken": {
        "type": "string",
        "traits": {
          "smithy.api#length": {
            "min": 0,
            "max": 2048
          },
          "smithy.api#pattern": "^\\S+$"
        }
      },
      "com.amazonaws.licensemanager#ConflictException": {
        "type": "structure",
        "members": {
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "aws.protocols#awsQueryError": {
            "code": "ConflictException",
            "httpResponseCode":
 409
          },
          "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 409
        }
      },
      "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
        "type": "structure",
        "members": {
          "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
              "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
            }
          },
          "ConsumedLicenses": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
              "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
            }
          }
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        },

"traits": {
            "smithy.api#documentation": "<p>Details about license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
        }
    },
    "com.amazonaws.licensemanager#ConsumptionConfiguration": {
        "type": "structure",
        "members": {
            "RenewType": {
                "target": "com.amazonaws.licensemanager#RenewType",
                "traits": {
                    "smithy.api#documentation": "<p>Renewal frequency.</p>"
                }
            },
            "ProvisionalConfiguration": {
                "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
                 }
            },
            "BorrowConfiguration": {
                "target": "com.amazonaws.licensemanager#BorrowConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantResponse"
        },
        "errors": [
            {
```

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a grant for the specified license. A grant shares the use of license\n entitlements with a specific Amazon Web Services account, an organization, or an\n organizational unit (OU). For more
information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#CreateGrantRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}

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    }
            },
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Principals": {
                "target": "com.amazonaws.licensemanager#PrincipalArnList",
                "traits": {
                    "smithy.api#documentation": "<p>The grant principals. You can specify one of the following as an
Amazon Resource Name\n        (ARN):</p>\n        <ul>\n            <li>\n                <p>An Amazon Web Services
account, which includes only the account specified.</p>\n            </li>\n        </ul>\n        <ul>\n            <li>\n
    <p>An organizational unit (OU), which includes all accounts in the OU.</p>\n            </li>\n        </ul>\n
<ul>\n
        <li>\n                <p>An organization, which will include all accounts across your organization.</p>\n
</li>\n        </ul>",
                    "smithy.api#required": {}
                }
            },
            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "AllowedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },

    "com.amazonaws.licensemanager#CreateGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
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                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersion":
{
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information, see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",

  "smithy.api#required": {}
                }
            },
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>"
                }
            },
            "AllowedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
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            "StatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status reason.</p>"
                }
            },
            "SourceVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the grant.</p>"
                }
            },
            "Options": {
                "target": "com.amazonaws.licensemanager#Options",
                "traits": {
                    "smithy.api#documentation": "<p>The options specified for the grant.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>New version of the grant.</p>"
                }
            }
        },
        "traits":
{
            "smithy.api#output": {}
```

```
    }
},
"com.amazonaws.licensemanager#CreateLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Creates a license.</p>"
    }
},
"com.amazonaws.licensemanager#CreateLicenseConfiguration": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager. Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a \n        license must be associated with a host), and the number of licenses purchased and used.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the license configuration.</p>"
                }
            },
            "LicenseCountingType": {
                "target": "com.amazonaws.licensemanager#LicenseCountingType",
                "traits": {
                    "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
                    "smithy.api#required": {}
                }
```

```
            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
                }
            },
            "LicenseCountHardLimit": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether hard or soft license enforcement is used.
Exceeding a hard limit\n        blocks the launch of new instances.</p>"
                }
            },
            "LicenseRules": {
                "target":
 "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>License rules. The syntax is #name=value (for example,
#allowedTenancy=EC2-DedicatedHost). The available rules \n        vary by dimension, as follows.</p>\n
<ul>\n            <li>\n              <p>\n                <code>Cores</code> dimension: <code>allowedTenancy</code> |\n
          <code>licenseAffinityToHost</code> |\n              <code>maximumCores</code> |
<code>minimumCores</code>\n              </p>\n            </li>\n            <li>\n              <p>\n
<code>Instances</code> dimension: <code>allowedTenancy</code> | \n              <code>maximumCores</code> |
<code>minimumCores</code> |\n              <code>maximumSockets</code> | <code>minimumSockets</code> |\n
         <code>maximumVcpus</code> | <code>minimumVcpus</code>\n              </p>\n            </li>\n
<li>\n
  <p>\n                <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n
<code>licenseAffinityToHost</code> |\n              <code>maximumSockets</code> |
<code>minimumSockets</code>\n              </p>\n            </li>\n            <li>\n              <p>\n
<code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n
<code>honorVcpuOptimization</code> | \n              <code>maximumVcpus</code> |
<code>minimumVcpus</code>\n              </p>\n            </li>\n        </ul>\n        <p>The unit for
<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n        values for
<code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n
<code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n
<code>True</code> and <code>False</code>.</p>"
                }
            },

   "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
                }
            },
            "DisassociateWhenNotFound": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
```

"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"

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            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {

                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting
the license type for.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information that identifies the license type you are converting
from. \n\n        For the structure of the source license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
                    "smithy.api#required": {}
                }
            },
            "DestinationLicenseContext":
 {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information that identifies the license type you are converting to.
For the structure of the destination license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
                    "smithy.api#required": {}
                }
            }
```

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    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
    "type": "structure",
    "members": {
        "LicenseConversionTaskId": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

   "traits": {
                "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
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"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a report generator. "
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"ReportGeneratorName":
{
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports to generate. The following report types an be generated: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}

}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}

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            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientRequestToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique,
 case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the report generator.</p>"
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Tags to add to the report generator.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn":
 {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the new report
generator.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
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"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product
name. ",
"smithy.api#required": {}
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits": {
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region for the license. ",
"smithy.api#required": {}

}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-
UTC format. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}

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            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>",
                    "smithy.api#required": {}
                }
            },
            "ConsumptionConfiguration": {
                "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n          running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n          usage.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
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            "smithy.api#documentation": "<p>License status.</p>"
          }
        },
        "Version": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>License version.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersion": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#ConflictException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
          "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
          "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
          "target": "com.amazonaws.licensemanager#ValidationException"
        }
      ],
```

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        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target":
"com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Issuer": {
                "target": "com.amazonaws.licensemanager#Issuer",
                "traits":
{
                    "smithy.api#documentation": "<p>License issuer.</p>",
                    "smithy.api#required": {}
                }
            },
            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Validity": {
                "target": "com.amazonaws.licensemanager#DatetimeRange",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
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UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},

"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the license. "
}
}

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        },
        "traits": {

"smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>License ARN.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>New version of the license.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output":
{}
        }
    },
    "com.amazonaws.licensemanager#CreateToken": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateTokenRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateTokenResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
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            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },

        {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n        <p>A refresh token is a JWT token used to get an access token. With an access token,\n        you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n        call License Manager to manage the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateTokenRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n        JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "RoleArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n        License Manager does not check whether the roles are in use.</p>"
                }
            },
            "ExpirationInDays": {
                "target": "com.amazonaws.licensemanager#Integer",
                "traits": {
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"smithy.api#documentation": " Token expiration, in days, counted from token creation. The default is 365 days. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Idempotency token, valid for 10 minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateTokenResponse": {
"type": "structure",
"members": {
"TokenId": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Token ID. "
}
},
"TokenType": {
"target": "com.amazonaws.licensemanager#TokenType",
"traits": {
"smithy.api#documentation": " Token type. "
}
},
"Token": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Refresh token, encoded as a JWT token. "
}
}
},
"traits": {
"smithy.api#output": {}

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    }
},
"com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
        "Begin": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Start of the time range.</p>",
                "smithy.api#required": {}
            }
        },
        "End": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>End of the time range.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
},
"com.amazonaws.licensemanager#DeleteGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
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"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes
the specified grant. "
}
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " The Status reason for the delete request. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the
grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",

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            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation":
"<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DeleteLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
```

"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license configuration. \n You cannot delete a license configuration that is in use. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
"type": "structure",
"members":

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{
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
```

"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified report generator. \n This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator to be deleted. ",
"smithy.api#required": {}
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",

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            "traits": {
                "smithy.api#documentation": "<p>Current version of the license.</p>",
                "smithy.api#required":
{}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#DeleteLicenseResponse": {
        "type": "structure",
        "members": {
          "Status": {
            "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
          },
          "DeletionDate": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#DeleteToken": {
        "type": "operation",
         "input": {
          "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },

        {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenRequest": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}

      }
    },
    "com.amazonaws.licensemanager#DigitalSignatureMethod": {
        "type": "enum",
        "members": {
            "JWT_PS384": {
                "target": "smithy.api#Unit",
```

"traits": {
"smithy.api#enumValue": "JWT_PS384"
}
}
}
},
"com.amazonaws.licensemanager#Entitlement": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement resource. Use only
if the unit is None. "
}
},
"MaxCount": {
"target": "com.amazonaws.licensemanager#Long",
"traits": {
"smithy.api#documentation": " Maximum entitlement count. Use if the unit is not None. "
}
},
"Overage": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether overages are allowed. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementUnit",
"traits": {
"smithy.api#documentation": " Entitlement unit. ",
"smithy.api#required": {}
}
},
"AllowCheckIn": {
"target":
"com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether check-ins are allowed. "
}

```
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes a resource entitled for use with a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementData": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement data name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement
data value.</p>"
                }
            },
            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement data unit.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementDataList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementData"
        }
    },
    "com.amazonaws.licensemanager#EntitlementDataUnit": {
        "type": "enum",
        "members": {
            "COUNT": {
                "target": "smithy.api#Unit",
                "traits": {
```

"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"

}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"Megabits/Second"
}
},

"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},
"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Entitlement"
}
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The entitlement is not allowed. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#EntitlementUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count"
}

```
        },
        "NONE": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "None"
          }
        },
        "SECONDS":
{
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Seconds"
          }
        },
        "MICROSECONDS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Microseconds"
          }
        },
        "MILLISECONDS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Milliseconds"
          }
        },
        "BYTES": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Bytes"
          }
        },
        "KILOBYTES": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Kilobytes"
           }
        },
        "MEGABYTES": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Megabytes"
          }
        },
        "GIGABYTES": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Gigabytes"
```

```
    }
},
"TERABYTES": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Terabytes"
    }
},
"BITS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Bits"
    }
},
"KILOBITS": {
    "target": "smithy.api#Unit",
    "traits": {

     "smithy.api#enumValue": "Kilobits"
    }
},
"MEGABITS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Megabits"
    }
},
"GIGABITS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Gigabits"
    }
},
"TERABITS": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Terabits"
    }
},
"PERCENT": {
    "target": "smithy.api#Unit",
    "traits": {
        "smithy.api#enumValue": "Percent"
    }
},
"BYTES_PER_SECOND": {
    "target":
```

"smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits/Second"
}
},

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        "GIGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Gigabits/Second"
            }
        },

    "TERABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabits/Second"
            }
        },
        "COUNT_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count/Second"
            }
        }
    }
},
"com.amazonaws.licensemanager#EntitlementUsage": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage name.</p>",
                "smithy.api#required": {}
            }
        },
        "ConsumedValue": {
            "target": "com.amazonaws.licensemanager#String",

        "traits": {
                "smithy.api#documentation": "<p>Resource usage consumed.</p>",
                "smithy.api#required": {}
            }
        },
        "MaxCount": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
            }
        },
        "Unit": {
            "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
            "traits": {
```

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                "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
    }
},
"com.amazonaws.licensemanager#EntitlementUsageList":
{
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#EntitlementUsage"
    }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumption": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
         },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
```

"smithy.api#documentation": " Extends the expiration date for license consumption. "
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. ",
"smithy.api#required": {}

}
},
"DryRun": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,
"smithy.api#documentation": " Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},

"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license consumption expires. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},

"com.amazonaws.licensemanager#FailedDependencyException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
},
"ErrorCode": {
"target": "com.amazonaws.licensemanager#String"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FailedDependency",
"httpResponseCode": 424
},
"smithy.api#documentation":
" A dependency required to run the API is missing. ",
"smithy.api#error": "client",
"smithy.api#httpError": 424
}
},
"com.amazonaws.licensemanager#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#FilterName",
"traits": {
"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter
name and value pair that is used to return more specific results from a\n describe operation. Filters can be used to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
"type": "structure",
"members": {
"Message": {

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            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "FilterLimitExceeded",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#FilterList": {
    "type": "list",
     "member": {
        "target": "com.amazonaws.licensemanager#Filter"
    }
},
"com.amazonaws.licensemanager#FilterName": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
    "type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#FilterValue",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#Filters": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Filter",
        "traits": {
            "smithy.api#xmlName": "item"
        }
    }
},
"com.amazonaws.licensemanager#GetAccessToken": {
    "type": "operation",
    "input": {
         "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
    },
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"output": {
"target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets a temporary access token to use with AssumeRoleWithWebIdentity. Access tokens\n are valid for one hour. "
}
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
"type": "structure",
"members": {
"Token": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Refresh token, encoded as a JWT token. ",
"smithy.api#required": {}
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Token properties to validate against those present in the JWT token. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},

"com.amazonaws.licensemanager#GetAccessTokenResponse":
{
"type": "structure",
"members": {
"AccessToken": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Temporary access token. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {

"smithy.api#documentation": " Gets detailed information about the specified grant. "
}
},
"com.amazonaws.licensemanager#GetGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetGrantResponse": {
"type": "structure",
"members": {
"Grant": {
"target": "com.amazonaws.licensemanager#Grant",
"traits": {
"smithy.api#documentation": " Grant details. "
}
}
},
"traits": {

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseResponse"
},
"errors": [

```
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"

    },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
```

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        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the specified license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits":
 {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurationId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
                }
            },
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
                }
            },
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>"
                 }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the license configuration.</p>"
```

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        }
    },
    "LicenseCountingType": {
        "target": "com.amazonaws.licensemanager#LicenseCountingType",
        "traits": {
            "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
        }
    },
    "LicenseRules": {
        "target": "com.amazonaws.licensemanager#StringList",
        "traits": {
            "smithy.api#documentation": "<p>License rules.</p>"
        }
    },
    "LicenseCount": {
        "target": "com.amazonaws.licensemanager#BoxLong",

       "traits": {
            "smithy.api#documentation": "<p>Number of available licenses.</p>"
        }
    },
    "LicenseCountHardLimit": {
        "target": "com.amazonaws.licensemanager#BoxBoolean",
        "traits": {
            "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
        }
    },
    "ConsumedLicenses": {
        "target": "com.amazonaws.licensemanager#BoxLong",
        "traits": {
            "smithy.api#documentation": "<p>Number of licenses assigned to resources.</p>"
        }
    },
    "Status": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>License configuration status.</p>"
        }

},
    "OwnerAccountId": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Account ID of the owner of the license configuration.</p>"
        }
    },
    "ConsumedLicenseSummaryList": {
        "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
```

"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When
true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified license type conversion task. "
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information
on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "
}
},
"ResourceArn": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted to. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " Status of the license type conversion task. "
}
},

"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was started . "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Amount of time to complete the license type conversion. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task was

completed. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified report generator. "
}
},

"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. ",
"smithy.api#required":
{}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"ReportGenerator": {
"target": "com.amazonaws.licensemanager#ReportGenerator",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license configurations. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}

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        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseResponse": {
        "type": "structure",
        "members": {
            "License": {
                "target": "com.amazonaws.licensemanager#License",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },

"com.amazonaws.licensemanager#GetLicenseUsage": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {

"target": "com.amazonaws.licensemanager#ValidationException"
            }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseUsageRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
        "type": "structure",
        "members": {
            "LicenseUsage": {
                "target":
"com.amazonaws.licensemanager#LicenseUsage",
                "traits": {
                    "smithy.api#documentation": "<p>License usage details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets the License Manager settings for the current Region. "
}
},
"com.amazonaws.licensemanager#GetServiceSettingsRequest": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Regional S3 bucket path for storing reports, license trail event data, discovery data,\n and so on. "

}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " SNS topic configured to receive notifications from License Manager. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Indicates whether Organizations is integrated with License Manager for\n cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {

"smithy.api#documentation": " Indicates whether cross-account discovery is enabled. "
}

},
"LicenseManagerResourceShareArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource share. The License Manager management account \n provides member accounts with access to this share. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Grant": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}
}
},
"ParentArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",
"smithy.api#required": {}
}
},

"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. ",
"smithy.api#required": {}
}
},
"GrantedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Granted operations. ",
"smithy.api#required": {}
}
},
"Options": {
"target": "com.amazonaws.licensemanager#Options",
"traits": {
"smithy.api#documentation": " The options specified for the grant. "
}
}

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        },
        "traits": {
            "smithy.api#documentation":
"<p>Describes a grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#GrantList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Grant"
        }
    },
    "com.amazonaws.licensemanager#GrantStatus": {
        "type": "enum",
        "members": {
            "PENDING_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_WORKFLOW"
                }
            },
            "PENDING_ACCEPT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_ACCEPT"
                }
            },
            "REJECTED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REJECTED"

            }
            },
            "ACTIVE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ACTIVE"
                }
            },
            "FAILED_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED_WORKFLOW"
                }
            },
            "DELETED": {
                "target": "smithy.api#Unit",
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```
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        },
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DISABLED": {
            "target": "smithy.api#Unit",
            "traits":
{
                "smithy.api#enumValue": "DISABLED"
            }
        },
        "WORKFLOW_COMPLETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "WORKFLOW_COMPLETED"
            }
        }
    }
  },
  "com.amazonaws.licensemanager#GrantedLicense": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
        },
        "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License name.</p>"
            }

 },
        "ProductName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Product name.</p>"
            }
        },
        "ProductSKU": {
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"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " Granted license issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the granted license. "

}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " Granted license status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the granted license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Granted license beneficiary. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}

```
            },
            "LicenseMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license metadata.</p>"
                }
            },
            "CreateTime": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Creation time of the granted license.</p>"

    }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Version of the granted license.</p>"
                }
            },
            "ReceivedMetadata": {
                "target": "com.amazonaws.licensemanager#ReceivedMetadata",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license received metadata.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
        }
    },
    "com.amazonaws.licensemanager#GrantedLicenseList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#GrantedLicense"
        }
    },
    "com.amazonaws.licensemanager#ISO8601DateTime":
{
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-
1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$"
        }
```

```
    },
    "com.amazonaws.licensemanager#Integer": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#InvalidParameterValueException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidParameterValueProvided",
                "httpResponseCode": 400
            },
            "smithy.api#documentation":
 "<p>One or more parameter values are not valid.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#InvalidResourceStateException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidResourceState",
                "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n        <p>For example, you cannot allocate a license to an instance in the process of shutting\n
down.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },

    "com.amazonaws.licensemanager#InventoryFilter": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

```
                "smithy.api#documentation": "<p>Name of the filter.</p>",
                "smithy.api#required": {}
            }
        },
        "Condition": {
            "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
            "traits": {
                "smithy.api#documentation": "<p>Condition of the filter.</p>",
                "smithy.api#required": {}
            }
        },
        "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Value of the filter.</p>"
            }
        }

    },
    "traits": {
        "smithy.api#documentation": "<p>An inventory filter.</p>"
    }
  },
  "com.amazonaws.licensemanager#InventoryFilterCondition": {
    "type": "enum",
    "members": {
        "EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EQUALS"
            }
        },
        "NOT_EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "NOT_EQUALS"
            }
        },
        "BEGINS_WITH": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "BEGINS_WITH"
            }
        },
        "CONTAINS": {
            "target": "smithy.api#Unit",
            "traits": {
```

"smithy.api#enumValue": "CONTAINS"
}
}
}
},
"com.amazonaws.licensemanager#InventoryFilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#InventoryFilter"
}
},
"com.amazonaws.licensemanager#Issuer": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. ",
"smithy.api#required": {}
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the issuer of a license. "
}
},
"com.amazonaws.licensemanager#IssuerDetails": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. "
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing

algorithm. "
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer key fingerprint. "
}
}
},
"traits": {
"smithy.api#documentation": " Details associated with the issuer of a license. "
}
},
"com.amazonaws.licensemanager#License": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " License name. "
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " License issuer. "
}
},

"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Home Region of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " License metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {

"smithy.api#documentation": " License
creation time. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#documentation": " Software license that is managed in License Manager. "
}
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
"type": "structure",
"members": {
"LicenseConfigurationId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Unique ID of the license configuration. "
}
},
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension to use to track the license inventory. "
}
},

"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Number of available licenses as a hard limit. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the license configuration. "
}
},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the license configuration's owner. "

}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for licenses consumed by various resources. "

```
            }
        },
        "ManagedResourceSummaryList": {
            "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
            "traits": {
                "smithy.api#documentation": "<p>Summaries for managed resources.</p>"
            }
        },
        "ProductInformationList": {
            "target": "com.amazonaws.licensemanager#ProductInformationList",
            "traits": {
                "smithy.api#documentation": "<p>Product information.</p>"
            }
        },
        "AutomatedDiscoveryInformation": {

            "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
            "traits": {
                "smithy.api#documentation": "<p>Automated discovery information.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>A license configuration is an abstraction of a customer license
agreement that can be\n        consumed and enforced by License Manager. Components include specifications for
the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n
Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n        must be associated with a
host), and the number of licenses purchased and used.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
    "type": "structure",
    "members": {
        "ResourceArn":
{
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
            }
        },
        "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Type of server resource.</p>"
            }
        },
        "ResourceOwnerId": {
            "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Time when the license configuration was associated with the resource. "
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an association with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
}
},
"com.amazonaws.licensemanager#LicenseConfigurationStatus": {
"type": "enum",
"members":
{
"AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISABLED"
}
}
}
},

"com.amazonaws.licensemanager#LicenseConfigurationUsage": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits":
{
"smithy.api#documentation": " Type of resource. "
}
},
"ResourceStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the usage of a resource associated with a license configuration. "
}
},

"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
}
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfiguration"
}
},
"com.amazonaws.licensemanager#LicenseConversionContext": {

"type": "structure",
"members": {
"UsageOperation": {
"target": "com.amazonaws.licensemanager#UsageOperation",
"traits": {
"smithy.api#documentation": " The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\n \n "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {

"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " The ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource associated with the license type\n conversion task. "
}
},
"SourceLicenseContext": {

"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted to. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " The status of the conversion task. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was started at. "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the usage operation value of the resource was changed. "
}
},
"EndTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was completed. "
}
}
},
"traits": {

"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
"type": "string",
"traits": {

"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
}
},
"com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
"type": "enum",
"members": {
"IN_PROGRESS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "IN_PROGRESS"
}
},
"SUCCEEDED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SUCCEEDED"
}
},
"FAILED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseConversionTasks":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConversionTask"
}
},
"com.amazonaws.licensemanager#LicenseCountingType": {
"type": "enum",
"members": {
"VCPU": {

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            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "vCPU"
            }
        },
        "INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Instance"
            }
        },
        "CORE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Core"
            }
        },
        "SOCKET": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Socket"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
    "type": "enum",
    "members": {
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#License"
    }
},
```

"com.amazonaws.licensemanager#LicenseOperationFailure": {

"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Resource type. "
}
},
"ErrorMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Error message. "
}
},
"FailureTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Failure time. "
}
},
"OperationName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the operation. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource. "
}
},
"OperationRequestedBy": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The requester is \"License Manager Automated Discovery\". "
}
},

"MetadataList": {

"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Reserved. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the failure of a license operation. "
}
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailure"
}
},
"com.amazonaws.licensemanager#LicenseSpecification": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Details for associating a license configuration with a resource. "
}
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseSpecification"
}
},

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"com.amazonaws.licensemanager#LicenseStatus": {
    "type": "enum",
    "members": {
        "AVAILABLE": {
            "target": "smithy.api#Unit",

        "traits": {
                "smithy.api#enumValue": "AVAILABLE"
            }
        },
        "PENDING_AVAILABLE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_AVAILABLE"
            }
        },
        "DEACTIVATED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DEACTIVATED"
            }
        },
        "SUSPENDED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SUSPENDED"
            }
        },
        "EXPIRED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EXPIRED"
            }
        },

      "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
```

```
    },
    "com.amazonaws.licensemanager#LicenseUsage": {
        "type": "structure",
        "members": {
            "EntitlementUsages": {
                "target": "com.amazonaws.licensemanager#EntitlementUsageList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlement usages.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"

        }
    },
    "com.amazonaws.licensemanager#LicenseUsageException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "LicenseUsageFailure",
                "httpResponseCode": 412
            },
            "smithy.api#documentation": "<p>You do not have enough licenses available to support a new resource
launch.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 412
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
        },
        "output": {

    "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the resource associations for the
specified license configuration. \n Resource associations need not consume licenses from a license
configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules). "
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results
to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}

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        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurationAssociations": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the associations for the license
configuration.</p>"
                }
            },
            "NextToken": {

 "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrants": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
             },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
```

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            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
        "type": "structure",
        "members": {
            "GrantArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {

            "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseArn</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>GrantStatus</code>\n                </p>\n            </li>\n
    <li>\n                <p>\n                <code>GranteePrincipalARN</code>\n                </p>\n            </li>\n
<li>\n                <p>\n                <code>ProductSKU</code>\n                </p>\n            </li>\n            <li>\n
<p>\n                <code>LicenseIssuerName</code>\n
        </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
```

```
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
        "type": "structure",
        "members": {
            "Grants": {
                "target": "com.amazonaws.licensemanager#GrantList",

    "traits": {
                    "smithy.api#documentation": "<p>Distributed grant details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
        },
        "errors": [
            {

"target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
        "type": "structure",
        "members": {
            "LicenseOperationFailureList": {
                "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
                "traits": {
                    "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
```

```
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurations": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
        },

    "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configurations
 for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArns": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
                }
```

```
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next
 set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n                Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n                Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n
<p>\n                <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n                Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>.</p>\n
    </li>\n            <li>\n                <p>\n                <code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurations": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurations",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
```

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      "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
    "type": "structure",
    "members": {
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
```

"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " \n Filters to scope the results. Valid filters are <code>ResourceArns</code> and <code>Status</code>.\n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
"type": "structure",
"members": {
"LicenseConversionTasks": {
"target": "com.amazonaws.licensemanager#LicenseConversionTasks",
"traits": {
"smithy.api#documentation": " Information about the license configuration tasks for your account. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
},
"errors": [

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseConfigurationArn</code>\n
</p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
```

"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits":
{
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
"type": "structure",
"members": {
"ReportGenerators": {
"target": "com.amazonaws.licensemanager#ReportGeneratorList",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}

}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

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            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an
associated license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {

        "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
        "type": "structure",
        "members": {
            "LicenseSpecifications": {
```

```
            "target": "com.amazonaws.licensemanager#LicenseSpecifications",
            "traits": {
                "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
    "members": {
```

```
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#LicenseList",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            },

"NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenses": {
        "type": "operation",
        "input": {
```

"target": "com.amazonaws.licensemanager#ListLicensesRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicensesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the licenses for your account. "
}
},
"com.amazonaws.licensemanager#ListLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>Beneficiary</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>Status</code>\n \n \n "
}

```
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token
for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicensesResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#LicenseList",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {

  "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrants": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
        },
```

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target":
"com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the received license. ",
"smithy.api#required": {}
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are
supported: \n
\n \n \n <code>ParentArn</code>\n \n \n
\n \n <code>GranteePrincipalArn</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}

```
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
{
        "type": "structure",
        "members": {
            "Grants": {
                "target": "com.amazonaws.licensemanager#GrantList",
                "traits": {
                    "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
        "type": "structure",
        "members": {
            "GrantArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                 "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>LicenseIssuerName</code>\n                </p>\n
</li>\n            <li>\n                <p>\n                <code>LicenseArn</code>\n                </p>\n            </li>\n
<li>\n                <p>\n                <code>GrantStatus</code>\n                </p>\n            </li>\n            <li>\n
<p>\n
        <code>GranterAccountId</code>\n                </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
```

```
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
    "type": "structure",
    "members": {
        "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
             "traits": {
                "smithy.api#documentation": "<p>Received grant details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists received licenses.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
```

```
            },
            {

        "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>Beneficiary</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n
            </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#GrantedLicenseList",
```

"traits": {
"smithy.api#documentation": " Lists the licenses the organization has received. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},

"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>IssuerName</code>\n \n \n \n \n <code>Beneficiary</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}

```
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
    "type": "structure",
    "members": {
        "Licenses": {
            "target": "com.amazonaws.licensemanager#GrantedLicenseList",
            "traits": {
                "smithy.api#documentation": "<p>Received license details.</p>"
            }
        },

        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListResourceInventory": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FailedDependencyException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
        },
        {
```

"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists resources managed using Systems Manager inventory. "
}
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#InventoryFilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>account_id</code> - The ID of the Amazon Web Services account that owns the resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n
\n \n \n <code>application_name</code> - The name of the application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n
\n \n \n <code>license_included</code> - The type of license included. \n
Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
\n <code>platform</code> - The platform of the resource.\n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n \n \n \n
<code>resource_id</code> - The ID of the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n
<code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account). \n \n "

```
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListResourceInventoryResponse": {
        "type": "structure",
        "members": {
          "ResourceInventoryList": {
            "target": "com.amazonaws.licensemanager#ResourceInventoryList",
            "traits": {
              "smithy.api#documentation": "<p>Information
about the resources.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListTagsForResource": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
           },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
```

"errors":
[
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists your tokens. "
}
},
"com.amazonaws.licensemanager#ListTokensRequest": {
"type": "structure",
"members": {
"TokenIds": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " Token IDs. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filter is supported: \n
\n \n \n <code>LicenseArns</code>\n \n \n
"
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",

"traits": {
"smithy.api#documentation":
" Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListTokensResponse": {
"type": "structure",
"members": {
"Tokens": {
"target": "com.amazonaws.licensemanager#TokenList",
"traits": {
"smithy.api#documentation": " Received token details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"

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            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
             {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license\n        consumption details by resource at a selected point in time. Use this action to audit the\n        current
license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
             "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>resourceArn</code> - The ARN of the license configuration resource.\n
            Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n
 <li>\n                <p>\n                <code>resourceType</code> - The resource type
```

(<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
"type": "structure",
"members": {

"LicenseConfigurationUsageList": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Location": {
"type": "string"
},
"com.amazonaws.licensemanager#Long": {
"type": "long"
},
"com.amazonaws.licensemanager#ManagedResourceSummary": {
"type": "structure",
"members": {
"ResourceType":
{
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of resource associated with a license. "
}

```
        },
        "AssociationCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
    }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
    }
},
"com.amazonaws.licensemanager#MaxSize100": {

"type": "integer",
    "traits": {
        "smithy.api#range": {
            "min": 1,
            "max": 100
        }
    }
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " The key name. "
}
},

"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The value. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes key/value pairs. "
}
},
"com.amazonaws.licensemanager#MetadataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Metadata"
}
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n

```
</li>\n <li>\n <p>As a grantor, you can optionally specify an\n
<code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your
organization.</p>\n </li>\n <li>\n <p>As a grantee, if the grantor creating the distributed
grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one
when you\n are activating the grant.</p>\n </li>\n </ul>\n <dl>\n
<dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n <p>Use this value to activate a grant
without replacing any member accounts\n active grants for the same product.</p>\n </dd>\n
<dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n <p>Use this value to activate a
grant and disable other active grants in any\n member accounts
 for the same product. This action will also replace their\n previously activated grants with this activated
grant.</p>\n </dd>\n </dl>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The options you can specify when you create a new version of a grant,
such as activation\n override behavior. For more information, see <a
href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in
License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
      },
      "com.amazonaws.licensemanager#OrganizationConfiguration": {
        "type": "structure",
        "members": {
          "EnableIntegration": {
            "target": "com.amazonaws.licensemanager#Boolean",
            "traits": {
              "smithy.api#default": false,
              "smithy.api#documentation":
 "<p>Enables Organizations integration.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Configuration information for Organizations.</p>"
        }
      },
      "com.amazonaws.licensemanager#PrincipalArnList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#Arn"
        },
        "traits": {
          "smithy.api#length": {
            "min": 1,
            "max": 1
          }
```

}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Resource type. The possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a <code>ProductInformationFilterComparator</code> which is a logical operator, a <code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. \n The following filters and are supported when the resource type \n is <code>SSM_MANAGED</code>: \n \n \n \n <code>Application Name</code> - The name of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Publisher</code> - The publisher of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n \n \n \n \n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n \n \n <code>License Included</code> - The type of license included.\n Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are: <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n The following filters and logical operators are supported when the resource type\n is <code>RDS</code>: \n \n \n \n <code>Engine Edition</code> - The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>. \n \n \n \n <code>License Pack</code> - The license

pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n
<code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n
\n ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information for a license configuration. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
"type": "structure",
"members": {
"ProductInformationFilterName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Filter name. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterValue": {
"target": "com.amazonaws.licensemanager#StringList",

"traits": {
"smithy.api#documentation": " Filter value. "
}
},
"ProductInformationFilterComparator": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Logical operator. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information filters. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ProductInformationFilter"
}
},
"com.amazonaws.licensemanager#ProductInformationList": {

"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ProductInformation"
}
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
"type": "structure",
"members": {
"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the provisional configuration, in minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "RateLimitExceeded",
"httpResponseCode": 429
},
"smithy.api#documentation": " Too many requests have been submitted. Try again after a brief wait. ",
"smithy.api#error": "client",
"smithy.api#httpError": 429
}
},
"com.amazonaws.licensemanager#ReceivedMetadata": {
"type": "structure",
"members": {
"ReceivedStatus": {
"target": "com.amazonaws.licensemanager#ReceivedStatus",
"traits": {
"smithy.api#documentation": " Received status. "
}
},
"ReceivedStatusReason": {

"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Received
status reason. "
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations. "
}
}
},
"traits": {
"smithy.api#documentation": " Metadata associated with received licenses and grants. "
}
},
"com.amazonaws.licensemanager#ReceivedStatus": {
"type": "enum",
"members": {
"PENDING_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_WORKFLOW"
}
},
"PENDING_ACCEPT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"PENDING_ACCEPT"
}
},
"REJECTED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REJECTED"
}
},
"ACTIVE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ACTIVE"
}
},
"FAILED_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {

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            "smithy.api#enumValue": "FAILED_WORKFLOW"
          }
        },
        "DELETED": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "DELETED"
          }
        },
        "DISABLED": {
          "target": "smithy.api#Unit",
           "traits": {
            "smithy.api#enumValue": "DISABLED"
          }
        },
        "WORKFLOW_COMPLETED": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "WORKFLOW_COMPLETED"
          }
        }
      }
    },
    "com.amazonaws.licensemanager#RedirectException": {
      "type": "structure",
      "members": {
        "Location": {
          "target": "com.amazonaws.licensemanager#Location",
          "traits": {
            "smithy.api#httpHeader": "Location"
          }
        },
        "Message": {
          "target": "com.amazonaws.licensemanager#Message"
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
         "smithy.api#error": "client",
        "smithy.api#httpError": 308
      }
    },
    "com.amazonaws.licensemanager#RejectGrant": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#RejectGrantRequest"
      },
      "output": {
```

"target": "com.amazonaws.licensemanager#RejectGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Rejects the specified grant. "
}
},
"com.amazonaws.licensemanager#RejectGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}

}
},
"com.amazonaws.licensemanager#RejectGrantResponse": {
"type": "structure",

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        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
              "smithy.api#documentation": "<p>Grant status.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Grant version.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#RenewType":
{
        "type": "enum",
        "members": {
          "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "None"
            }
          },
          "WEEKLY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Weekly"
            }
          },
          "MONTHLY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "Monthly"
            }
          }
        }
      },
```

"com.amazonaws.licensemanager#ReportContext": {
"type": "structure",
"members": {
"licenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "
}
},
"period": {
"target": "com.amazonaws.licensemanager#ReportFrequencyType",

"traits": {
"smithy.api#documentation": " Time period between each report. The period can be daily, weekly, or monthly. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
"type": "enum",
"members": {
"DAY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DAY"
}

```
            },
            "WEEK": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WEEK"
                }
            },
            "MONTH": {
                "target": "smithy.api#Unit",
                "traits":
{
                    "smithy.api#enumValue": "MONTH"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#ReportGenerator": {
        "type": "structure",
        "members": {
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>"
                }
            },
            "ReportType": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports that are generated.</p>"
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
                    "smithy.api#documentation": "<p>License
configuration type for this generator.</p>"
                }
            },
            "ReportFrequency": {
                "target": "com.amazonaws.licensemanager#ReportFrequency",
                "traits": {
                    "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
                }
            },
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>"
```

```
            }
        },
        "LastRunStatus": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Status of the last report generation attempt.</p>"
            }
        },
        "LastRunFailureReason":
 {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
            }
        },
        "LastReportGenerationTime": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
            }
        },
        "ReportCreatorAccount": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report
generator.</p>"
            }
        },
        "Description": {
            "target": "com.amazonaws.licensemanager#String",

      "traits": {
                "smithy.api#documentation": "<p>Description of the report generator.</p>"
            }
        },
        "S3Location": {
            "target": "com.amazonaws.licensemanager#S3Location",
            "traits": {
                "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
            }
        },
        "CreateTime": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Time the report was created.</p>"
            }
        },
```

"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags associated with the report generator. "
}

}
},
"traits": {
"smithy.api#documentation": " Describe the details of a report generator. "
}
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ReportGenerator"
}
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}
}
},
"com.amazonaws.licensemanager#ReportType": {
"type": "enum",
"members": {
"LICENSE_CONFIGURATION_SUMMARY_REPORT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "LicenseConfigurationSummaryReport"
}

},
"LICENSE_CONFIGURATION_USAGE_REPORT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "LicenseConfigurationUsageReport"
}
}
}
},
"com.amazonaws.licensemanager#ReportTypeList": {
"type": "list",
"member": {

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            "target": "com.amazonaws.licensemanager#ReportType"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventory": {
        "type": "structure",
        "members": {
            "ResourceId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "Platform": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform of the resource.</p>"
                }
            },
            "PlatformVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
                }
            },
            "ResourceOwningAccountId":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a resource.</p>"
        }
```

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},
"com.amazonaws.licensemanager#ResourceInventoryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ResourceInventory"
    }
},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "ResourceLimitExceeded",

         "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
     "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
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"smithy.api#enumValue": "EC2_INSTANCE"
}
},
"EC2_HOST": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_HOST"
}
},
"EC2_AMI": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_AMI"
}
},
"RDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "RDS"
}
},
"SYSTEMS_MANAGER_MANAGED_INSTANCE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
}
}
}
},
"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "

```
        }
    },
    "com.amazonaws.licensemanager#ServerInternalException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InternalError",
                "httpResponseCode": 500
            },
            "smithy.api#documentation": "<p>The server experienced an internal error. Try again.</p>",
            "smithy.api#error": "server",
            "smithy.api#httpError": 500
        }
    },
    "com.amazonaws.licensemanager#SignedToken": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 4096
            }
        }
    },
    "com.amazonaws.licensemanager#StatusReasonMessage": {
        "type": "string",
        "traits":
{
            "smithy.api#length": {
                "min": 0,
                "max": 400
            },
            "smithy.api#pattern": "^[\\s\\S]+$"
        }
    },
    "com.amazonaws.licensemanager#String": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#StringList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#Tag": {
```

"type": "structure",
"members": {
"Key": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Tag key. "
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation":
" Tag value. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about a tag for a license configuration. "
}
},
"com.amazonaws.licensemanager#TagKeyList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#String"
}
},
"com.amazonaws.licensemanager#TagList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Tag"
}
},
"com.amazonaws.licensemanager#TagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#TagResourceResponse"
},
"errors": [
{
"target":
"com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},

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            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>One or more tags.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
        "members": {
```

"TokenId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token ID. "
}
},
"TokenType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Type of token generated. The supported value is <code>REFRESH_TOKEN</code>. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"ExpirationTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Token expiration time, in ISO8601-UTC format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#TokenData"
}
},
"com.amazonaws.licensemanager#TokenString": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 4096
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#TokenType": {
"type": "enum",
"members": {
"REFRESH_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REFRESH_TOKEN"
}
}
}
},
"com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The digital signature method is unsupported. Try your request again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#UntagResource": {
"type": "operation",

"input": {
"target": "com.amazonaws.licensemanager#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Removes the specified tags from the specified license configuration. "
}
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanager#TagKeyList",
"traits": {
"smithy.api#documentation": " Keys identifying the tags to remove. ",
"smithy.api#required": {}
}
}
},
"traits": {

```
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UntagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
        },
        "output": {

"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
         }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"LicenseConfigurationStatus": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
"traits": {
"smithy.api#documentation": " New status of the license configuration. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " New license rule. The only rule that you can add after you create a license\n configuration is licenseAffinityToHost. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",

"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

```
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to update.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types are supported:</p>\n        <ul>\n            <li>\n                <p>License configuration report - Reports the number and details of consumed licenses for a license configuration.</p>\n            </li>\n            <li>\n                <p>Resource report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n            </li>\n        </ul>",
                    "smithy.api#required": {}
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
```

"smithy.api#documentation": " The report context. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },

            {
                "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
            },
            {
                "target": "com.amazonaws.licensemanager#LicenseUsageException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified
Amazon Web Services resource.</p>\n        <p>You can update the license specifications of AMIs, instances, and
hosts.\n        You cannot update the license specifications for launch templates and CloudFormation templates, \n
 as they send license configurations to the operation that creates the resource.</p>"
        }
    },

    "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services
resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "AddLicenseSpecifications": {
                "target": "com.amazonaws.licensemanager#LicenseSpecifications",
                "traits": {
                    "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
                }
            },
```

"RemoveLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation":
" ARNs of the license configurations to remove. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Updates License Manager settings for the current Region. "
}
},

"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
Manager information is stored. "
}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Enables integration with Organizations for cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Activates cross-account discovery. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UsageOperation": {
"type": "string",
"traits": {
"smithy.api#length": {

```
            "min": 0,
            "max": 50
          }
        }
      },
      "com.amazonaws.licensemanager#ValidationException": {
        "type": "structure",
        "members": {
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

       "smithy.api#error": "client",
          "smithy.api#httpError": 400
        }
      }
    }
  }
```


1.7374 protoc-gen-validate 1.1.0

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1.7375 astunparse 1.6.3

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1.7376 jetty-alpn-client 9.4.54.v20240208

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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* java.sun.security.ssl

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org.ow2.asm:asm-commons
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org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
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org.apache.tomcat:tomcat-jasper-el
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org.apache.tomcat:tomcat-util-scan
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org.eclipse.jetty.toolchain:jetty-schemas

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
 * javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
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module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
are hosted at github and both modified and original are under GPL v2 with
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http://openjdk.java.net/legal/gplv2+ce.html

OW2

The following artifacts are licensed by the OW2 Foundation according to the
terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from
following Apache Tomcat jars, all ASL2

licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.7379 apispec 6.8.1

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1.7380 jackson-dataformat-toml 2.17.1

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1.7381 flyway-database-postgresql 10.19.0

1.7381.1 Available under license :

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 */
```

Found in path(s):
* /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-jar/org/flywaydb/database/postgresql/PostgreSQLSchema.java
* /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-jar/org/flywaydb/database/cockroachdb/CockroachRetryingTransactionalExecutionTemplate.java
* /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-jar/org/flywaydb/database/cockroachdb/CockroachDBParser.java
* /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-jar/org/flywaydb/database/cockroachdb/CockroachDBDatabaseType.java
* /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-jar/org/flywaydb/database/postgresql/package-info.java
* /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-jar/org/flywaydb/database/postgresql/PostgreSQLDatabaseType.java
*
 /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-jar/org/flywaydb/database/cockroachdb/package-info.java
* /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-jar/org/flywaydb/database/postgresql/PostgreSQLParser.java
* /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-jar/org/flywaydb/database/postgresql/PostgreSQLConnection.java
* /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-

jar/org/flywaydb/database/cockroachdb/CockroachDBConnection.java
* /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-jar/org/flywaydb/database/cockroachdb/CockroachDBDatabase.java
* /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-jar/org/flywaydb/database/cockroachdb/CockroachDBRetryingStrategy.java
* /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-jar/org/flywaydb/database/postgresql/PostgreSQLConfigurationExtension.java
* /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-jar/org/flywaydb/database/cockroachdb/CockroachDBSchema.java
* /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-jar/org/flywaydb/database/cockroachdb/CockroachDBTable.java
* /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-jar/org/flywaydb/database/postgresql/PostgreSQLAdvisoryLockTemplate.java
* /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-jar/org/flywaydb/database/postgresql/PostgreSQLCopyParsedStatement.java
* /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-jar/org/flywaydb/database/postgresql/PostgreSQLDatabase.java
* /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-jar/org/flywaydb/database/postgresql/PostgreSQLType.java
* /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-jar/org/flywaydb/database/postgresql/TransactionalModel.java
* /opt/cola/permits/2316725098_1736960564.3308527/0/flyway-database-postgresql-10-19-0-sources-1-jar/org/flywaydb/database/postgresql/PostgreSQLTable.java

1.7382 spring-data-jdbc 3.3.0

1.7382.1 Available under license :

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1.7383 spring-data-commons 3.3.0

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1.7388 springdoc-openapi-common 1.6.15

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1.7389 spring-data-relational 3.2.5

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1.7390 spring-data-jdbc 3.2.5

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1.7395 jackson-datatype-json 2.15.0

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
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1.7396 jemalloc-dev 5.3.0-r6

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1.7398 jooq 3.19.5

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public Domain withDomainCatalog(String value) {
public Domain withDomainSchema(String value) {
public Domain withDomainName(String value) {
public Domain withDataType(String value) {
public Domain withCharacterMaximumLength(Integer value) {
public Domain withNumericPrecision(Integer value) {
public Domain withNumericScale(Integer value) {
public Domain withDomainDefault(String value) {

Found in path(s):
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/util/xml/jaxb/Domain.java
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/**
* This package contains parts of JSON Simple.
* <p>
* jOOQ has no external dependencies. Nevertheless, some libraries that are
* compatible with jOOQ's Apache License 2.0 are embedded into jOOQ. See the
* JSON Simple website for more details about JSON Simple:
* <p>
* <a href=
* "http://code.google.com/p/json-simple/">http://code.google.com/p/json-simple/
*/

Found in path(s):
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/tools/json/package-info.java
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/**
* This package contains parts of jOOR.
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* jOOQ has no external dependencies. Nevertheless, some libraries that are
* compatible with jOOQ's Apache License 2.0 are embedded into jOOQ. See the
* jOOR website for more details about jOOR:
* <p>
* https://github.com/jOOQ/jOOR
*/

Found in path(s):

* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/tools/reflect/package-info.java
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public DomainConstraint createDomainConstraint() {
public Domain createDomain() {

Found in path(s):
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/util/xml/jaxb/ObjectFactory.java
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*/
/**
    * Get a set of supported dialect versions and predecessors given a dialect
    * version.
    * <p>
    * The resulting set of dialects contain all the families and dialect
    * versions that precede the argument dialect, including the argument
    * dialect.
    */
```

Found in path(s):
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/SQLDialect.java
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*/
/**
   * Clean up blobs, clobs and the local configuration.
   * <p>
   * <h5>BLOBS and CLOBS</h5>
   * <p>
   * [#1326] This is necessary in those dialects that have long-lived
   * temporary lob objects, which can cause memory leaks in certain contexts,
   * where the lobs' underlying session / connection is long-lived as well.
   * Specifically, Oracle and ojdbc have some trouble when streaming temporary
   * lobs to UDTs:
   * <ol>
   * <li>The lob cannot have a call-scoped life time with UDTs</li>
   * <li>Freeing the lob after binding will cause an ORA-22275</li>
   * <li>Not freeing the lob after execution will cause an
   * {@link OutOfMemoryError}</li>
   * </ol>
   * <p>
   * <h5>Local configuration</h5>
   * <p>
   * [#1544] There exist some corner-cases regarding the {@link SQLOutput}
   * API, used for UDT serialisation / deserialisation, which have no elegant
   * solutions of obtaining a {@link
 Configuration} and thus a JDBC
   * {@link Connection} object short of:
   * <ul>
   * <li>Making assumptions about the JDBC driver and using proprietary API,
   * e.g. that of ojdbc</li>
   * <li>Dealing with this problem globally by using such a local
   * configuration</li>
   * </ul>
   *
   * @see <a
   *     href="http://stackoverflow.com/q/11439543/521799">http://stackoverflow.com/q/11439543/521799</a>
   */
```

Found in path(s):
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/impl/DefaultExecuteContext.java
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Found in path(s):
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/FlywayVersion.java
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*/
/**
* A very simple CSV parser released under a commercial-friendly license. This
* just implements splitting a single line into fields.
*
* @author Glen Smith
* @author Rainer Pruy
*/

Found in path(s):
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/tools/csv/CSVParser.java
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* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/types/UNumber.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/types/ULong.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/types/UInteger.java
*
 /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/types/UByte.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/types/UShort.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/types/Unsigned.java
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Found in path(s):
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-
jar/org/jooq/tools/reflect/Reflect.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-
jar/org/jooq/tools/reflect/ReflectException.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-
jar/org/jooq/tools/reflect/CompileOptions.java
*
 /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-
jar/org/jooq/tools/reflect/Compile.java
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/**

* This package contains parts of OpenCSV.
* <p>
* jOOQ has no external dependencies. Nevertheless, some libraries that are
* compatible with jOOQ's Apache License 2.0 are embedded into jOOQ. See the
* OpenCSV website for more details about OpenCSV:
* <p>
* http://opencsv.sourceforge.net/
*/

Found in path(s):
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/tools/csv/package-info.java
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* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/tools/StringUtils.java
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public DomainConstraint withConstraintCatalog(String value) {
public DomainConstraint withConstraintSchema(String value) {
public DomainConstraint withConstraintName(String value) {
public DomainConstraint withDomainCatalog(String value) {
public DomainConstraint withDomainSchema(String value) {
public DomainConstraint withDomainName(String value) {

Found in path(s):
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/util/xml/jaxb/DomainConstraint.java
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*/
/**
* A very simple CSV reader released under a commercial-friendly license.
*
* @author Glen Smith
*/

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Found in path(s):
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/impl/ScopeMarker.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/impl/WindowDefinitionImpl.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/impl/RowOverlaps.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/ArrayConverter.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/impl/AbstractKey.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/ContextConverter.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/DropSchemaFinalStep.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/impl/NaturalRightJoin.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/impl/ArrayAgg.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/impl/CollationImpl.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/SelectWhereStep.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/impl/DropTypeImpl.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/impl/HistoryImpl.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/Converter.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/impl/JSONNull.java
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* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/impl/Function.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/impl/Intern.java
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* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/impl/RowImpl15.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/JSONArrayNullStep.java
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* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/impl/Log.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/impl/RecordImpl4.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/impl/Execute.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-
jar/org/jooq/AssociativeArrayRecord.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-
jar/org/jooq/CreateTriggerEventStep.java
*
 /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/LoaderError.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-
jar/org/jooq/impl/SeparatedQueryPart.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-
jar/org/jooq/impl/CreateProcedureImpl.java
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Found in path(s):
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-
jar/org/jooq/tools/json/JSONObject.java
*

/opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/tools/json/JSONArray.java
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/tools/json/JSONValue.java
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Found in path(s):
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/META-INF/maven/org.jooq/jooq/pom.xml
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Found in path(s):
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* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/tools/Ints.java
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*
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 *
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*
*
*
*
*
*/
/**
   * Create a "plain SQL" field.
   * <p>
   * A plain SQL field is a field that can contain user-defined plain SQL,
   * because sometimes it is easier to express things directly in SQL, for
   * instance complex proprietary functions. There must not be any binding
   * variables contained in the SQL.
   * <p>
   * Example:
   * <p>
   *
   * <pre>
   * <code>
   * String sql = "DECODE(MY_FIELD, 1, 100, 200)";
   * </code>
   * </pre>
   * <p>
   * <b>NOTE</b>: A lot of things work less well in jOOQ if no
   * {@link DataType} information is attached to a {@link Field} expression,
   * including:
   * <ul>
   * <li>Some drivers may find it hard to bind <code>NULL</code> values.</li>
   * <li>Some RDBMS may find it hard to infer a type from an expression
   * alone.</li>
   * <li>User defined types may not be supported.</li>
   * <li>You don't get compile time type safety.</li>
```

```
    * </ul>

    * It is usually better to use {@link DSL#field(SQL, DataType)}, instead, or
    * even better, use code generation where possible: <a href=
    * "https://blog.jooq.org/why-you-should-use-jooq-with-code-generation/">https://blog.jooq.org/why-you-should-
use-jooq-with-code-generation/</a>,
    * in case of which {@link DataType} information is attached to all
    * {@link Field} expressions automatically.
    * <p>
    * <b>NOTE</b>: When inserting plain SQL into jOOQ objects, you must
    * guarantee syntax integrity. You may also create the possibility of
    * malicious SQL injection. Be sure to properly use bind variables and/or
    * escape literals when concatenated into SQL clauses!
    *
    * @param sql The SQL
    * @return A field wrapping the plain SQL
    * @see SQL
    */
/**
    * Create a "plain SQL" field.
    * <p>
    * A plain SQL field is a field that can contain user-defined plain SQL,
    * because sometimes it is easier to express things directly
 in SQL, for
    * instance complex proprietary functions. There must be as many binding
    * variables contained in the SQL, as passed in the bindings parameter
    * <p>
    * Example:
    * <p>
    *
    * <pre>
    * <code>
    * String sql = "DECODE(MY_FIELD, ?, ?, ?)";
    * Object[] bindings = new Object[] { 1, 100, 200 };</code>
    * </pre>
    * <p>
    * <b>NOTE</b>: A lot of things work less well in jOOQ if no
    * {@link DataType} information is attached to a {@link Field} expression,
    * including:
    * <ul>
    * <li>Some drivers may find it hard to bind <code>NULL</code> values.</li>
    * <li>Some RDBMS may find it hard to infer a type from an expression
    * alone.</li>
    * <li>User defined types may not be supported.</li>
    * <li>You don't get compile time type safety.</li>
    * </ul>
    * It is usually better to use {@link DSL#field(String, DataType, Object...)}, instead,
    * or even better, use code generation where possible:
```

```
 <a href=
   * "https://blog.jooq.org/why-you-should-use-jooq-with-code-generation/">https://blog.jooq.org/why-you-should-use-jooq-with-code-generation/</a>,
   * in case of which {@link DataType} information is attached to all
   * {@link Field} expressions automatically.
   * <p>
   * <b>NOTE</b>: When inserting plain SQL into jOOQ objects, you must
   * guarantee syntax integrity. You may also create the possibility of
   * malicious SQL injection. Be sure to properly use bind variables and/or
   * escape literals when concatenated into SQL clauses!
   *
   * @param sql The SQL
   * @param bindings The bindings for the field
   * @return A field wrapping the plain SQL
   * @see SQL
   * @see DSL#sql(String, Object...)
   */
```

Found in path(s):
* /opt/cola/permits/2316738277_1736961915.2695472/0/jooq-3-19-5-sources-1-jar/org/jooq/impl/DSL.java

1.7399 azure-sdk-for-go-sdk-internal 1.8.0

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1.7400 more-itertools 10.6.0

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1.7401 go-autorest-logger 0.2.1

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---
layout: docs
page_title: Automated license utilization reporting
description: >-
Learn what data HashiCorp collects to meter Enterprise license utilization. Enable or disable reporting. Review sample payloads and logs.

Automated license utilization reporting

@include 'alerts/enterprise-only.mdx'

Automated license utilization reporting sends license utilization data to HashiCorp without requiring you to manually collect and report them. It also lets you review your license usage with the monitoring solution you already use (for example Splunk, Datadog, or others) so you can optimize and manage your deployments. Use these reports to understand how much more you can deploy under your current contract, protect against overutilization, and budget for predicted consumption.

Automated reporting shares the minimum data required to validate license utilization as defined in our contracts. They consist of mostly computed metrics and will never contain Personal Identifiable Information (PII) or other sensitive information. Automated reporting shares the data with HashiCorp using a secure, unidirectional HTTPS API and makes an auditable record in the product logs each time it submits a report. The reports are submitted once every 24 hours.

Enable automated reporting

To enable automated reporting, you need to make sure that outbound network traffic is configured correctly and upgrade your enterprise product to a version that supports it. If your installation is air-gapped or network settings are not in place, automated reporting will not work.

1. allow outbound HTTPS traffic on port 443

Make sure that your network allows HTTPS egress on port 443 to https://reporting.hashicorp.services by allow-listing the following IP addresses:

- 100.20.70.12
- 35.166.5.222

- 23.95.85.111
- 44.215.244.1

2. upgrade

Upgrade to a release that supports license utilization reporting. These
releases include:

- [Vault Enterprise 1.14.0](https://releases.hashicorp.com/vault/)
 and later
- [Vault Enterprise 1.13.4](https://releases.hashicorp.com/vault/) and later 1.13.x versions
- [Vault Enterprise 1.12.8](https://releases.hashicorp.com/vault/) and later 1.12.x versions
- [Vault Enterprise 1.11.12](https://releases.hashicorp.com/vault/)

3. check logs

Automatic license utilization reporting will start sending data within 24 hours.
Check the server logs for records that the data sent successfully.

You will find log entries similar to the following:

<CodeBlockConfig hideClipboard>

```
[DEBUG] core.reporting: beginning snapshot export
[DEBUG] core.reporting: creating payload
[DEBUG] core.reporting: marshalling payload to json
[DEBUG] core.reporting: generating authentication headers
[DEBUG] core.reporting: creating request
[DEBUG] core.reporting: sending request
[DEBUG] core.reporting: performing request: method=POST url=https://reporting.hashicorp.services
[DEBUG] core.reporting: recording audit record
[INFO]  core.reporting: Report sent:
auditRecord="{\"payload\":{\"payload_version\":\"1\",\"license_id\":\"97afe7b4-b9c8-bf19-bf35-
b89b5cc0efea\",\"product\":\"vault\",\"product_version\":\"1.14.0-rc1+ent\",\"export_timestamp\":\"2023-06-
01T09:34:44.215133-
04:00\",\"snapshots\":[{\"snapshot_version\":1,\"snapshot_id\":\"0001J7H7KMEDRXKM5C1QJGBXV3\",\"proces
s_id\":\"01H1T45CZK2GN9WR22863W2K32\",\"timestamp\":\"2023-06-01T09:34:44.215001-
04:00\",\"schema_version\":\"1.0.0\",\"service\":\"vault\",\"metrics\":{\"clientcount.current_month_estimate\":{\"key
\":\"clientcount.current_month_estimate\",\"kind\":\"sum\",\"mode\":\"write\",\"labels\":{\"type\":{\"entity\":20,\"no
nentity\":11}}},\"clientcount.previous_month_complete\":{\"key\":\"clientcount.previous_month_complete\",\"kind\
":\"sum\",\"mode\":\"write\",\"labels\":{\"type\":{\"entity\":10,\"nonentity\":11}}}}}],\"metadata\":{\"vault\":{\"billi
ng_start\":\"2023-03-01T00:00:00Z\",\"cluster_id\":\"a8d95acc-ec0a-6087-d7f6-4f054ab2e7fd\"}}}}"
[DEBUG]
 core.reporting: completed recording
 audit record
[DEBUG] core.reporting: export finished successfully
```

</CodeBlockConfig>

If your installation is air-gapped or your network doesnt allow the correct
egress, logs will show an error.

<CodeBlockConfig hideClipboard>

```
[DEBUG] core.reporting: beginning snapshot export
[DEBUG] core.reporting: creating payload
[DEBUG] core.reporting: marshalling payload to json
[DEBUG] core.reporting: generating authentication headers
[DEBUG] core.reporting: creating request
[DEBUG] core.reporting: sending request
[DEBUG] core.reporting: performing request: method=POST url=https://reporting.hashicorp.services
[DEBUG] core.reporting: error status code received: statusCode=403
```

</CodeBlockConfig>

In this case, reconfigure your network to allow egress and check back in 24
hours.

Opt out

If your installation is air-gapped or you want to manually collect and report on
the same license utilization metrics, you can opt-out of automated reporting.

Manually reporting these
 metrics can be time consuming. Opting out of automated
reporting does not mean that you also opt out from sending license utilization
metrics. Customers who opt out of automated reporting will still be required to
manually collect and send license utilization metrics to HashiCorp.

If you are considering opting out because youre worried about the data, we
strongly recommend that you review the [example payloads](#example-payloads)
before opting out. If you have concerns with any of the automatically-reported
data please bring them to your account manager.

You have two options to opt out of automated reporting:

- HCL configuration (recommended)
- Environment variable (requires restart)

HCL configuration

Opting out in your products configuration file doesnt require a system restart, and is the method we recommend. Add the following block to your server configuration file (e.g. `vault-config.hcl`).

```hcl
reporting {
 license {
  enabled = false
  }
}
```

<Warning>

When you have a cluster, each node must have the reporting stanza in its configuration to be consistent. In the event of leadership change, nodes will use its server configuration to determine whether or not to opt-out the automated reporting. Inconsistent configuration between nodes will change the reporting status upon active unseal.

</Warning>

You will find the following entries in the server log.

<CodeBlockConfig hideClipboard>

```
[DEBUG] core: reloading automated reporting
[INFO]  core: opting out of automated reporting
[DEBUG] activity: there is no reporting agent configured, skipping counts reporting
```

</CodeBlockConfig>

Environment variable

If you need to, you can also opt out using an environment variable, which will provide a startup message confirming that you have disabled automated reporting. This option requires a system restart.

<Note>

If the reporting stanza exists in the configuration file, the `OPTOUT_LICENSE_REPORTING` value overrides the configuration.

</Note>

Set
 the following environment variable.

```shell-session
$ export OPTOUT_LICENSE_REPORTING=true
```

Now, restart your [Vault servers](/vault/docs/commands/server) from the shell
where you set the environment variable.

You will find the following entries in the server log.

<CodeBlockConfig hideClipboard>

```
[INFO]  core: automated reporting disabled via environment variable: env=OPTOUT_LICENSE_REPORTING
[INFO]  core: opting out of automated reporting
[DEBUG] activity: there is no reporting agent configured, skipping counts reporting
```

</CodeBlockConfig>

Check your product logs 24 hours after opting out to make sure that the system
isnt trying to send reports.

If your configuration file and environment variable differ, the environment
variable setting will take precedence.

Example payloads

HashiCorp collects the following utilization data as JSON payloads:

- `payload_version` - The version of this payload schema
- `license_id` - The license ID for this product
-
 `product` - The product that this contribution is for
- `product_version` - The product version this contribution is for
- `export_timestamp`- The date and time for this contribution
- `snapshots` - An array of snapshot details. A snapshot is a structure that
 represents a single data collection
  - `snapshot_version` - The version of the snapshot package that produced this
    snapshot
  - `snapshot_id` - A unique identifier for this particular snapshot
  - `process_id` - An identifier for the system that produced this snapshot
  - `timestamp` - The date and time for this snapshot
  - `schema_version` - The version of the schema associated with this snapshot

- `service` - The service that produced this snapshot (likely to be product name)
- `metrics` - A map of representations of snapshot metrics contained within this snapshot
  - `key` - The key name associated with this metric
  - `kind` - The kind of metric (feature, counter, sum, or mean)

  - `mode` - The mode of operation associated with this metric (write or collect)
  - `labels` - The labels associated with each collected metric
    - `entity` - The sum of tokens generated for a unique client identifier
    - `nonentity` - The sum of tokens without an entity attached
- `metadata` - Optional product-specific metadata
- `billing_start` - The billing start date associated with the reporting cluster (license start date if not configured)
- `cluster_id` - The cluster UUID as shown by `vault status` on the reporting cluster

<CodeBlockConfig hideClipboard>

```json
{
 "payload_version": "1",
 "license_id": "97afe7b4-b9c8-bf19-bf35-b89b5cc0efea",
 "product": "vault",
 "product_version": "1.14.0-rc1+ent",
 "export_timestamp": "2023-06-01T11:39:00.76643-04:00",
 "snapshots": [
   {
    "snapshot_version": 1,
    "snapshot_id": "0001J7HEWM1PEHPMF5YZT8EV65",
    "process_id": "01H1VSQMNYAP77R566F1Y03GE6",
    "timestamp": "2023-06-01T11:39:00.766099-04:00",
     "schema_version": "1.0.0",
    "service": "vault",
    "metrics": {
      "clientcount.current_month_estimate": {
        "key": "clientcount.current_month_estimate",
        "kind": "sum",
        "mode": "write",
        "labels": {
          "type": {
            "entity": 20,
            "nonentity": 11
          }
        }
      },
      "clientcount.previous_month_complete": {
        "key": "clientcount.previous_month_complete",
```

```
        "kind": "sum",
        "mode": "write",
        "labels": {
          "type": {
            "entity": 10,
            "nonentity": 11
          }
        }
      }
    }
  }
 ],
 "metadata": {
   "vault": {
     "billing_start": "2023-03-01T00:00:00Z",
     "cluster_id": "a8d95acc-ec0a-6087-d7f6-4f054ab2e7fd"
   }
 }
}
```


</CodeBlockConfig>

Pre-1.9 counts

When upgrading Vault from 1.8 (or earlier) to 1.9 (or later), utilization reporting will only
 include the [non-entity tokens](/vault/docs/concepts/client-count#non-entity-tokens) that are used after the upgrade.

Starting in Vault 1.9, the activity log records and de-duplicates non-entity tokens by using the namespace and token's policies to generate a unique identifier. Because Vault did not create identifiers for these tokens before 1.9, the activity log cannot know whether this token has been seen pre-1.9. To prevent inaccurate and inflated counts, the activity log will ignore any counts of non-entity tokens that were created before the upgrade and only the non-entity tokens from versions 1.9 and later will be counted.

See the client count [overview](/vault/docs/concepts/client-count) and [FAQ](/vault/docs/concepts/client-count/faq) for more information.

---
layout: docs
page_title: license get - Command
description: |-
 The "license get" command reports on the license in use.
---

license get

The `license get` command reports on the license in use. With the `-signed`
flag, it will return the actual license string, but only if the license
is stored, as opposed to [autoloaded](/vault/docs/enterprise/license/autoloading).

Examples

Describe current license:

```shell-session
$ vault license get
Key                     Value
---                     -----
expiration_time         2022-05-17T23:59:59Z
features                [HSM Performance Replication DR Replication MFA Sentinel Seal Wrapping Control Groups Performance Standby Namespaces KMIP Entropy Augmentation Transform Secrets Engine Lease Count Quotas Key Management Secrets Engine Automated Snapshots]
license_id              060d7820-fa59-f95c-832b-395db0aeb9ba
performance_standby_count    9999
start_time              2021-05-17T00:00:00Z
termination_time
        2031-05-17T23:59:59Z
```

Get stored license string:

```shell-session
$ vault license get -signed
02MV4UU43BK5H...
```

Try to get stored license string when using autoloading:

```shell-session
$ vault license get -signed
License not found or using a temporary license.
```

Usage

The following flags are available in addition to the [standard set of flags](/vault/docs/commands) included on all commands.

Command options

- `-signed` `(bool: false)` - Return the signed license string when using a stored license.

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---
layout: api
page_title: /sys/license/status - HTTP API
description: |-
The `/sys/license/status` endpoint is used to view the license used in Vault.

`/sys/license/status`

@include 'alerts/enterprise-only.mdx'

The `/sys/license/status` endpoint is used to view update the license used in Vault.

License status

This endpoint returns information about licensing. See [license autoloading](/vault/docs/enterprise/license/autoloading) for additional background.

In the response:

- `autoloading_used` will be true if an autoloaded license was provided to the node, false otherwise. This should always be true from Vault 1.11.0 onward.
- `autoloaded` is the autoloaded license if autoloading_used is true.
- `persisted_autoload` is the autoloaded license the active node last wrote to storage; this is only used to detect inconsistently licensed nodes in the cluster. It cannot be used as a license itself.
- `stored` was used for the stored license prior to Vault 1.11.0. Stored licenses are no longer supported.

`autoloaded`, and `persisted_autoload` will both have the same structure.

Method	Path
`GET`	`/sys/license/status`

Sample request

```shell-session
$ curl \
   --header "X-Vault-Token: ..." \
   http://127.0.0.1:8200/v1/sys/license/status
```

Sample response

```json
{
 "data": {
   "autoloading_used": true,
   "autoloaded": {
     "expiration_time": "2022-05-17T23:59:59Z",
     "features": [
       "HSM",
       "Performance Replication",
       "DR Replication",
       "MFA",
       "Sentinel",
       "Seal Wrapping",
```

"Control Groups",
"Performance Standby",
"Namespaces",
"KMIP",
"Entropy Augmentation",
"Transform Secrets Engine",
"Lease Count Quotas",
"Key Management Secrets Engine",
"Automated Snapshots"
],
"license_id": "060d7820-fa59-f95c-832b-395db0aeb9ba",
"performance_standby_count":
9999,
"start_time": "2021-05-17T00:00:00Z",
"termination_time": "2031-05-17T23:59:59Z"
},
"persisted_autoload": {
"expiration_time": "2022-05-17T23:59:59Z",
"features": [
"HSM",
"Performance Replication",
"DR Replication",
"MFA",
"Sentinel",
"Seal Wrapping",
"Control Groups",
"Performance Standby",
"Namespaces",
"KMIP",
"Entropy Augmentation",
"Transform Secrets Engine",
"Lease Count Quotas",
"Key Management Secrets Engine",
"Automated Snapshots"
],
"license_id": "060d7820-fa59-f95c-832b-395db0aeb9ba",
"performance_standby_count": 9999,
"start_time": "2021-05-17T00:00:00Z",
"termination_time": "2031-05-17T23:59:59Z"
}
}
}
```

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<LicenseInfo
 @startTime={{this.model.startTime}}
 @expirationTime={{this.model.expirationTime}}
 @licenseId={{this.model.licenseId}}
 @features={{this.model.features}}
 @autoloaded={{this.model.autoloaded}}
 @performanceStandbyCount={{this.model.performanceStandbyCount}}
/>
---
layout: docs
page_title: Frequently Asked Questions (FAQ)
description: An overview of license.

License FAQ

This FAQ section is for license changes and updates introduced for Vault Enterprise.
- [Q: How do the license termination changes affect upgrades?](#q-how-do-the-license-termination-changes-affect-upgrades)
- [Q: What impact on upgrades do the license termination behavior changes pose?](#q-what-impact-on-upgrades-do-the-license-termination-behavior-changes-pose)
- [Q: Will these license changes impact HCP Vault?](#q-will-these-license-changes-impact-hcp-vault)
- [Q: Do these license changes impact all Vault customers/licenses?](#q-do-these-license-changes-impact-all-vault-customers-licenses)
- [Q: What is the product behavior change introduced by the licensing changes?](#q-what-is-the-product-behavior-change-introduced-by-the-licensing-changes)
- [Q: How will Vault behave at startup when a license expires or terminates?](#q-how-will-vault-behave-at-startup-when-a-license-expires-or-terminates)
-
 [Q: What is the impact on evaluation licenses due to this change?](#q-what-is-the-impact-on-evaluation-licenses-due-to-this-change)

- [Q: Are there any changes to existing methods for manual license loading (API or CLI)?](#q-are-there-any-changes-to-existing-methods-for-manual-license-loading-api-or-cli)
- [Q: Is there a grace period when evaluation licenses expire?](#q-is-there-a-grace-period-when-evaluation-licenses-expire)
- [Q: Does this affect clients?](#q-does-this-affect-clients)
- [Q: Are the license files locked to a specific cluster?](#q-are-the-license-files-locked-to-a-specific-cluster)
- [Q: Will a EULA check happen every time a Vault restarts?](#q-will-a-eula-check-happen-every-time-a-vault-restarts)
- [Q: What scenarios should a customer plan for due to these license changes?](#q-what-scenarios-should-a-customer-plan-for-due-to-these-license-changes)
- [Q: What is the migration path for customers who want to migrate from their existing license-as-applied-via-the-CLI
flow to the license on disk flow?](#q-what-is-the-migration-path-for-customers-who-want-to-migrate-from-their-existing-license-as-applied-via-the-cli-flow-to-the-license-on-disk-flow)
- [Q: What is the path for customers who want to downgrade/rollback from Vault 1.11 or later (auto-loaded license mandatory) to a pre-Vault 1.11 (auto-loading not mandatory, stored license supported)?](#q-what-is-the-path-for-customers-who-want-to-downgrade-rollback-from-vault-1-11-or-later-auto-loaded-license-mandatory-to-a-pre-vault-1-11-auto-loading-not-mandatory-stored-license-supported)
- [Q: Is there a limited time for support of licenses that are in storage?](#q-is-there-a-limited-time-for-support-of-licenses-that-are-in-storage)
- [Q: What are the steps to upgrade from one autoloaded license to another autoloaded license?](#q-what-are-the-steps-to-upgrade-from-one-autoloaded-license-to-another-autoloaded-license)
- [Q: What are the Vault ADP module licensing changes introduced
in 1.8?](#q-what-are-the-vault-adp-module-licensing-changes-introduced-in-1-8)
- [Q: How can the new ADP modules be purchased and what features are customer entitled to as part of that purchase?](#q-how-can-the-new-adp-modules-be-purchased-and-what-features-are-customer-entitled-to-as-part-of-that-purchase)
- [Q: What is the impact to customers based on these ADP module licensing changes?](#q-what-is-the-impact-to-customers-based-on-these-adp-module-licensing-changes)

Q: what is the product behavior change introduced by the licensing changes?

Per the [feature deprecation plans](/vault/docs/deprecation), Vault will no longer support licenses in storage. An [auto-loaded license](/vault/docs/enterprise/license/autoloading) must be used instead. If you are using stored licenses, you must migrate to auto-loaded licenses prior to upgrading to Vault 1.11

Vault 1.12 will also introduce different termination behavior for evaluation licenses versus non-evaluation licenses. An evaluation
license will include a 30-day trial period after which a running Vault server will terminate. Vault servers using a non-evaluation license will not terminate.

Q: how do the license termination changes affect upgrades?
Vault 1.12 will introduce changes to the license termination behavior. Upgrades when using expired licenses will now be limited.
Vault will not startup if the build date of the binary is _after_ the expiration date of a license. License expiration date and binary build date compatibility can be verified using the [Check for Autoloaded License](/vault/docs/commands/operator/diagnose#check-for-autoloaded-license) check performed by the `vault operator diagnose` command.

The build date of a binary can also be found using the [vault version](/vault/docs/commands/version#version) command.

A user can expect the following to occur based on the following scenarios:

Evaluation or non-evaluation license is valid:
Vault will start normally

**Evaluation or non-evaluation
license is expired, binary build date _before_ license expiry date:**
Vault will start normally

Evaluation or non-evaluation license is expired, binary build date _after_ license expiry date:
Vault will not start

Evaluation license is terminated:
Vault will not start independent of the binary's build date

Non-evaluation license is terminated, binary build date _before_ license expiry date:
Vault will start normally

Non-evaluation license is terminated, binary build date _after_ license expiry date:
Vault will not start

The Vault support team can issue you a temporary evaluation license to allow for security upgrades if your license has expired.

Q: will these license changes impact HCP Vault?

No, these changes will not impact HCP Vault.

Q: do these license changes impact all Vault customers/licenses?

Customer/licenses	Impacted?
ENT binaries (evaluation or non-evaluation downloaded from [releases.hashicorp.com](https://releases.hashicorp.com/vault/))	Yes
Business-Source (BSL)	No

Q: what is the product behavior change introduced by the licensing changes?

With Vault 1.11, the use of an [auto-loaded license](/vault/docs/enterprise/license/autoloading) is required for Vault to start successfully.

Q: how will Vault behave at startup when a license expires or terminates?

When a license expires, Vault continues to function until the license terminates. This behavior exists today and

remains unchanged in Vault 1.11. The grace period, defined as the time between license expiration and license termination, is one day for evaluation licenses (as of 1.8), and ten years for non-evaluation licenses.
Customers must provide a valid license before the grace period expires. This license is required to be [auto-loaded](/vault/docs/enterprise/license/autoloading). When license terminates (upon grace period expiry), Vault will seal itself and customers will need a valid license in order to successfully bring-up Vault. If a valid license was not installed after license expiry, customers will need to provide one, and this license will need to be auto-loaded.

Vault 1.12 changes the license expiration and termination behavior. Evaluation licenses include a 30-day trial period after which a running Vault server will terminate. Non-evaluation licenses, however, will no longer terminate. When a non-evaluation license expires, Vault will continue to function but upgrades will be limited. The build date of the upgrade binary must be before the expiration date of the license.
Vault will not start when attempting to use an expired license and binary with a build date _after_ the license expiration date. Attempting to [reload](/vault/api-docs/system/config-reload#reload-license-file) an expired license will result in an error if the build date of the running Vault server is _after_ the license expiration date.

License expiration date and binary build date compatibility can be verified using the [Check for Autoloaded License](/vault/docs/commands/operator/diagnose#check-for-autoloaded-license) check performed by the `vault operator diagnose` command. The build date of a binary can also be found using the [vault version](/vault/docs/commands/version#version) command.

Q: what is the impact on evaluation licenses due to this change?

As of Vault 1.8, any Vault cluster deployed must have a valid [auto-loaded](/vault/docs/enterprise/license/autoloading) license.

Vault 1.12 introduces [expiration and termination behavior changes](#q-how-will-vault-behave-at-startup-when-a-license-expires-or-terminates) for non-evaluation licenses. Evaluation licenses will continue to have a 1-day grace period upon license expiry after which they will terminate. Vault will seal itself and shutdown once an evaluation license terminates.

Q: are there any changes to existing methods for manual license loading (API or CLI)?

The [`/sys/license`](/vault/api-docs/v1.10.x/system/license#install-license) and [`/sys/license/signed`](/vault/api-docs/v1.10.x/system/license#read-signed-license) endpoints have been removed as of Vault 1.11. With that said, it is no longer possible to provide a license via the `/sys/license` endpoint. License [auto-loading](/vault/docs/enterprise/license/autoloading) must be used instead.
The [`/sys/config/reload/license`](/vault/api-docs/system/config-reload#reload-license-file) endpoint can be used to reload an auto-loaded license provided as a path via an environment variable or configuration.

Q: is there a grace period when evaluation licenses expire?

Evaluation licenses have a 1-day grace period. The grace period is the time until the license expires. Upon expiration, Vault will seal and will require a valid license to unseal and function properly.

Q: are the license files locked to a specific cluster?

The changes to licenses apply to all nodes in a cluster. The license files are not locked to a cluster, but are independently applied to the appropriate clusters.

Q: will a EULA check happen every time a Vault restarts?

Yes, starting with Vault 1.8, ENT binaries will be subjected to a EULA check. The release of Vault 1.8 introduces the EULA check for evaluation licenses (non-evaluation licenses are evaluated with a EULA check during contractual agreement) .
Although the agreement to a EULA occurs only once (when the user receives their license), Vault will check for the presence of a valid license every time a node is restarted.

Starting Vault 1.11, when customers deploy new Vault clusters, or upgrade existing Vault clusters, a valid [auto-loaded](/vault/docs/enterprise/license/autoloading)
license must exist for the upgrade to be successful.

Q: what scenarios should a customer plan for due to these license changes?

- **New Cluster Deployment**: When a customer deploys new clusters to Vault 1.11 or later, a valid license must exist to successfully deploy. This valid license must be on-disk ([auto-loaded](/vault/docs/enterprise/license/autoloading)).

- **Eventual Migration**: Vault 1.11 removes support for in-storage licenses. Migrating to an auto-loaded license is required for Vault to start successfully using version 1.11 or greater. Pre-existing license storage entries will be automatically removed from storage upon startup.

Q: what is the migration path for customers who want to migrate from their existing license-as-applied-via-the-CLI flow to the license on disk flow?

If a Vault cluster using a stored license is planned to be upgraded to Vault 1.11 or greater, the operator must migrate to using an auto-loaded license. The [`vault license
get -signed`](/vault/docs/v1.10.x/commands/license/get) command (or underlying [`/sys/license/signed`](/vault/api-docs/v1.10.x/system/license#read-signed-license) endpoint) can be used to retrieve the license from storage in a running cluster.
It is not necessary to remove the stored license entry. That will occur automatically upon startup in Vault 1.11 or greater. Prior to completing the [recommended upgrade steps](/vault/docs/upgrading), perform the following to ensure your license is properly configured:

1. Use the command `vault license get -signed` to retrieve the license from storage of your running cluster.
2. Put the license on disk
3. Configure license auto-loading by specifying the [`license_path`](/vault/docs/configuration#license_path) config option or setting the [`VAULT_LICENSE`](/vault/docs/commands#vault_license) or [`VAULT_LICENSE_PATH`](/vault/docs/commands#vault_license_path) environment variable.

Q: what is the path for customers who want to downgrade/rollback
from Vault 1.11 or later (auto-loaded license mandatory) to a pre-Vault 1.11 (auto-loading not mandatory, stored license supported)?

The downgrade procedure remains the same for Vault customers who are currently on Vault 1.11 or later, have a license installed via auto-loading, and would like to downgrade their cluster to a pre-1.11 version. Please refer to the [upgrade procedures](/vault/tutorials/standard-procedures/sop-upgrade) that remind the customers that they must take a snapshot before the upgrade. Customers will need to restore their version from the snapshot, apply the pre-1.11 enterprise binary version they wish to roll back, and bring up the clusters.

Q: is there a limited time for support of licenses that are in storage?

The support of licenses installed by alternative means often leads to difficulties providing the appropriate support. To provide the support expected by our customers, as we have announced in [Vault feature deprecations and plans](/vault/docs/deprecation)
we are removing support for licenses in storage with Vault 1.11. This implies licensing endpoints that deal with licenses in storage will be removed, and Vault will no longer check for valid licenses in storage. This change requires that all customers have [auto-loaded](/vault/docs/enterprise/license/autoloading) licenses to upgrade to 1.11(+) successfully.

Q: what are the steps to upgrade from one autoloaded license to another autoloaded license?

Follow these steps to migrate from one autoloaded license to another autoloaded license.

1. Use the [`vault license inspect`](/vault/docs/commands/license/inspect) command to compare the new license against the output of the [`vault license get`](/vault/docs/commands/license/get) command. This is to ensure that you have the correct license.
1. Backup the old license file in a safe location.
1. Replace the old license file on each Vault server with the new one.
1. Invoke the [reload command](/vault/api-docs/system/config-reload#reload-license-file)
on each individual Vault server, starting with the standbys and doing the leader last. Invoking in this manner reduces possible disruptions if something was performed incorrectly with the above steps. You can either use the [reload command](/vault/api-docs/system/config-reload#reload-license-file) or send a SIGHUP.
1. On each node, ensure that the new license is in use by using the [`vault license get`](/vault/docs/commands/license/get) command and/or checking the logs.

ADP licensing

This FAQ section is for the Advanced Data Protection (ADP) license changes introduced in Vault Enterprise 1.8.

Q: what are the Vault ADP module licensing changes introduced in 1.8?

As of Vault Enterprise 1.8, the functionality formerly sold as the Vault ADP module is now separated between two new modules:

ADP-KM includes:

- [Key Management Secrets Engine (KMSE)](/vault/docs/secrets/key-management)
- [Key Management Interoperability (KMIP)](/vault/docs/secrets/kmip)
-
[MSSQL Transparent Data Encryption (TDE)](https://www.hashicorp.com/blog/enabling-transparent-data-encryption-for-microsoft-sql-with-vault)

ADP-Transform includes:

- [Transform Secrets Engine (TSE)](/vault/docs/secrets/transform)

Q: how can the new ADP modules be purchased and what features are customer entitled to as part of that purchase?

ADP-KM includes:

- This is the first Vault Enterprise module that can be purchased standalone. This means it can be purchased without the purchase of a Vault Enterprise Standard license.
- ADP-KM still requires a Vault Enterprise binary. The Vault Enterprise Standard license is automatically included with the ADP-KM module, but customers are contractually prohibited from using any features besides those in Vault Community Edition and ADP-KM (KMSE and KMIP).

ADP-Transform includes:

- This module cannot be purchased as a standalone. It requires a Vault Enterprise binary, and customers must purchase the base Vault Enterprise Standard
 license (at least) to use the corresponding Enterprise features.
- The ADP-Transform SKU can be applied as an add-on. This workflow is similar to the consolidated ADP SKU.

Q: what is the impact to customers based on these ADP module licensing changes?

Customers need to be aware of the following as a result of these changes:

- **New customers** may choose to purchase either or both of these modules. The old (consolidated) module is not available to them as an option.
- **Existing customers** may continue with the consolidated Vault ADP module uninterrupted. They will only be converted to one or both new ADP modules the next time they make a change to their licensing details (i.e. contract change).
---
layout: docs
page_title: Vault Enterprise License
description: An overview of license.

Vault license

@include 'alerts/enterprise-only.mdx'

Licenses and EULA enhancements have been introduced in Vault 1.8 release. Please refer to the [FAQ](/vault/docs/enterprise/license/faq) for common questions concerning these changes.

The [Install a HashiCorp Enterprise License](/vault/tutorials/enterprise/hashicorp-enterprise-license) tutorial provides the instruction to load your Vault license.

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LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION
WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.

```
{{#if (and this.licenseExpired (not this.expiredDismissed))}}
 <div class="license-banner-wrapper" data-test-license-banner data-test-license-banner-expired>
   <AlertBanner
     @type="danger"
     @title="License expired"
     @message="Your Vault license expired on {{date-format
       @expiry
       'MMM d, yyyy'
     }}. Add a new license to your configuration and restart Vault."
     class="message-marginless"
   >
     <DocLink @path="/vault/tutorials/enterprise/hashicorp-enterprise-license">
       <Icon @name="learn-link" />
       Read documentation
     </DocLink>
     <button type="button" class="close-button" {{on "click" (fn this.dismissBanner "expired")}} data-test-dismiss-
expired>
       <Icon @name="x" aria-label="dismiss license expired warning" />
     </button>
   </AlertBanner>
 </div>
{{else if (and (lte this.licenseExpiringInDays 30) (not this.warningDismissed))}}
 <div class="license-banner-wrapper" data-test-license-banner data-test-license-banner-warning>
    <AlertBanner
     @type="warning"
     @title="Vault license expiring"
```

```
    @message="Your Vault license will expire in {{this.licenseExpiringInDays}} days at {{date-format
      @expiry
      'hh:mm:ss a'
    }} on {{date-format @expiry 'MMM d, yyyy'}}. {{if
      @autoloaded
      'Add a new license to your configuration.'
      'Keep in mind that your next license will need to be autoloaded'
    }}"
    class="message-marginless"
  >
    <DocLink @path="/vault/tutorials/enterprise/hashicorp-enterprise-license">
      <Icon @name="learn-link" />
      Read documentation
    </DocLink>
    <button type="button" class="close-button" {{on "click" (fn this.dismissBanner "warning")}} data-test-dismiss-
warning>
      <Icon @name="x" aria-label="dismiss license expire soon warning" />
    </button>
  </AlertBanner>
 </div>
{{/if}}
<PageHeader as |p|>
 <p.levelLeft>
   <h1 class="title is-3">License</h1>
 </p.levelLeft>
</PageHeader>

<section class="box is-sideless is-marginless is-shadowless is-fullwidth">
 <span class="title is-5">Details</span>
 <div class="field box is-fullwidth is-shadowless is-paddingless is-marginless">
   <InfoTableRow @label="License ID" @value={{@licenseId}} data-test-detail-row />
   <InfoTableRow @label="Valid from" @value={{@startTime}} data-test-detail-row>
     {{date-format @startTime "MMM dd, yyyy hh:mm:ss a"}}
     to
     {{date-format @expirationTime "MMM dd, yyyy hh:mm:ss a"}}
   </InfoTableRow>
   <InfoTableRow @label="License state" @value={{"Autoloaded"}} data-test-detail-row />
 </div>
</section>

<section class="box is-sideless is-marginless is-shadowless is-fullwidth">
 <span class="title is-5">Features</span>
 <div class="field box is-fullwidth is-shadowless is-paddingless is-marginless">
   {{#each this.featuresInfo as |info|}}
     <InfoTableRow @label={{info.name}}
 @value={{if info.active "Active" "Not Active"}} data-test-feature-row>
       {{#if info.active}}
         <Icon @name="check-circle" class="icon-true" />
```

```
        <span data-test-feature-status>
          Active
          {{#if info.count}}&mdash; {{info.count}} standby nodes allotted{{/if}}
        </span>
      {{else}}
        <Icon @name="x-circle" class="icon-false" />
        <span data-test-feature-status>Not Active</span>
      {{/if}}
    </InfoTableRow>
  {{/each}}
 </div>
</section>
# Copyright (c) HashiCorp, Inc.
# SPDX-License-Identifier: MPL-2.0

variable "file_name" {}

output "license" {
 value = file(var.file_name)
}
/**
* Copyright (c) HashiCorp, Inc.
* SPDX-License-Identifier: MPL-2.0
*/

.license-banner-wrapper {
 width: 100%;
 max-width: 1344px;
 margin: $spacing-l auto 0;
 padding: 0 1.5rem;
}
---
layout: docs
page_title: License Autoloading
description: An overview of license autoloading.
---

# License autoloading

@include 'alerts/enterprise-only.mdx'

Prior to Vault 1.8, Vault Enterprise would be licensed using special binaries
that contained embedded licenses, or via a license written into Vault storage
using the [POST sys/license API](/vault/api-docs/system/license#install-license).

As of Vault 1.8 those options still exist but are deprecated, and the recommended
mechanism for managing licenses is called License Autoloading. New clusters are
required to use the autoloading method.
```

License Autoloading can be done using one of these mechanisms, in decreasing order
of priority (i.e. `VAULT_LICENSE` takes precedence over `VAULT_LICENSE_PATH`, which
takes precedence over `license_path` in config.)

- [VAULT_LICENSE environment variable](/vault/docs/commands#vault_license)
- [VAULT_LICENSE_PATH environment variable](/vault/docs/commands#vault_license_path)
- [license_path in
 config](/vault/docs/configuration#license_path)

Nodes within a cluster should be consistently licensed. All nodes in a cluster
should use autoloading, or none should. If autoloading is used, all nodes should
use the same license string. Warnings will be written to the log when there
are discrepancies.

If autoloading is used, any existing stored license will be ignored. The presence
of a stored license in conjunction with an autoloaded license will also result in
logged warnings, which may require a service restart to clear.
---
layout: docs
page_title: license inspect - Command
description: |-
 The "license inspect" command describes the contents of a signed license string.
---

license inspect

The `license inspect` command describes the contents of a signed license string.

Examples

Describe license in the environment (either `VAULT_LICENSE` for a raw value
or `VAULT_LICENSE_PATH` for the path to a file containing the value):

```shell-session
$ vault license inspect
Source: /Users/ncc/vaults/license
Product: vault
License ID: 060d7820-fa59-f95c-832b-395db0aeb9ba
Customer ID: 5401ae3b-136b-3e47-3b43-432927fa03e7
Installation ID: *
Issue Time: 2021-05-17 19:33:47.93981585 +0000 UTC
Start Time: 2021-05-17 00:00:00 +0000 UTC
Expiration Time: 2022-05-17 23:59:59.999 +0000 UTC
Termination Time: 2031-05-17 23:59:59.999 +0000 UTC
{"license_id":"060d7820-fa59-f95c-832b-395db0aeb9ba","customer_id":"5401ae3b-136b-3e47-3b43-
432927fa03e7","installation_id":"*","issue_time":"2021-05-17T19:33:47.93981585Z","start_time":"2021-05-
17T00:00:00Z","expiration_time":"2022-05-17T23:59:59.999Z","flags":{"modules":["multi-dc-scale","governance-
```

policy","advanced-data-protection"]},"features":["HSM","Performance
Replication","DR Replication","MFA","Sentinel","Seal Wrapping","Control Groups","Performance
Standby","Namespaces","KMIP","Entropy Augmentation","Transform Secrets Engine","Lease Count Quotas","Key
Management Secrets Engine","Automated Snapshots"],"performance_standby_count":9999}

License is valid
```

Describe license at given path:

```shell-session
$ vault license inspect ~/vaults/license
Source: /Users/ncc/vaults/license
Product: vault
License ID: 060d7820-fa59-f95c-832b-395db0aeb9ba
Customer ID: 5401ae3b-136b-3e47-3b43-432927fa03e7
Installation ID: *
Issue Time: 2021-05-17 19:33:47.93981585 +0000 UTC
Start Time: 2021-05-17 00:00:00 +0000 UTC
Expiration Time: 2022-05-17 23:59:59.999 +0000 UTC
Termination Time: 2031-05-17 23:59:59.999 +0000 UTC
{"license_id":"060d7820-fa59-f95c-832b-395db0aeb9ba","customer_id":"5401ae3b-136b-3e47-3b43-
432927fa03e7","installation_id":"*","issue_time":"2021-05-17T19:33:47.93981585Z","start_time":"2021-05-
17T00:00:00Z","expiration_time":"2022-05-17T23:59:59.999Z","flags":{"modules":["multi-dc-scale","governance-
policy","advanced-data-protection"]},"features":["HSM","Performance
Replication","DR Replication","MFA","Sentinel","Seal Wrapping","Control Groups","Performance
Standby","Namespaces","KMIP","Entropy Augmentation","Transform Secrets Engine","Lease Count Quotas","Key
Management Secrets Engine","Automated Snapshots"],"performance_standby_count":9999}

License is valid
```

Usage

The following flags are available in addition to the [standard set of
flags](/vault/docs/commands) included on all commands.

Command options

- `-installation-id` `(string: "")` - Installation ID to validate the license against
Enterprise licenses

In versions 1.2.6, 1.3.9, 1.4.5, and 1.5.2, the enterprise licenses were not incorporated correctly
into the build and we have issued patch releases (x.y.z.1) for enterprise customers containing the
proper license. As the previous builds were both not working and causing confusion, we have removed
the binaries.
// Copyright (c) HashiCorp, Inc.
// SPDX-License-Identifier: MPL-2.0
```

package license

// Features is a bitmask of feature flags
type Features uint

const FeatureNone Features = 0

func (f Features) HasFeature(flag Features) bool {
 return false
}
vault.core.license.expiration_time_epoch ((#vault-core-license-expiration_time_epoch))

Metric type	Value	Description
gauge	timestamp	Epoch time (seconds since 1970-01-01) at which the license will expire
---
layout: docs
page_title: license - Command
description: |-
 The "license" command groups subcommands for interacting with Vault licenses.
---

license

The `license` command groups subcommands for interacting with Vault licenses

For more information, please see the [license documentation](/vault/docs/enterprise/license)

Examples

Query current license in use by a node:

```shell-session
$ vault license get
Key Value
--- -----
expiration_time 2022-05-17T23:59:59.999Z
features [HSM Performance Replication DR Replication MFA Sentinel Seal Wrapping Control Groups Performance Standby Namespaces KMIP Entropy Augmentation Transform Secrets Engine Lease Count Quotas Key Management Secrets Engine Automated Snapshots]
license_id 060d7820-fa59-f95c-832b-395db0aeb9ba
performance_standby_count 9999
start_time 2021-05-17T00:00:00Z
```

Inspect a license string:

```shell-session
$
 vault license inspect ~/vaults/license
Source: /Users/ncc/vaults/license
Product: vault
License ID: 060d7820-fa59-f95c-832b-395db0aeb9ba
Customer ID: 5401ae3b-136b-3e47-3b43-432927fa03e7
Installation ID: *
Issue Time: 2021-05-17 19:33:47.93981585 +0000 UTC
Start Time: 2021-05-17 00:00:00 +0000 UTC
Expiration Time: 2022-05-17 23:59:59.999 +0000 UTC
{"license_id":"060d7820-fa59-f95c-832b-395db0aeb9ba","customer_id":"5401ae3b-136b-3e47-3b43-432927fa03e7","installation_id":"*","issue_time":"2021-05-17T19:33:47.93981585Z","start_time":"2021-05-17T00:00:00Z","expiration_time":"2022-05-17T23:59:59.999Z","flags":{"modules":["multi-dc-scale","governance-policy","advanced-data-protection"]},"features":["HSM","Performance Replication","DR Replication","MFA","Sentinel","Seal Wrapping","Control Groups","Performance Standby","Namespaces","KMIP","Entropy Augmentation","Transform Secrets Engine","Lease Count Quotas","Key Management Secrets Engine","Automated Snapshots"],"performance_standby_count":9999}

License
 is valid

```

Usage

```text
Usage: vault license <subcommand> [options] [args]

 # ...

Subcommands:
   get      Query Vault's license
   inspect  View the contents of a license string
```

For more information, examples, and usage about a subcommand, click on the name
of the subcommand in the sidebar.

1.7402 genproto-googleapis-rpc 0.0.0-20241216192217-9240e9c98484

1.7402.1 Available under license :

Apache License
Version 2.0, January 2004

http://www.apache.org/licenses/

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1.7403 x-mod 0.8.0

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1.7404 google-cloud-go-storage 1.28.0

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```
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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
//  protoc-gen-go v1.35.2
//  protoc        v4.25.3
// source: google/ai/generativelanguage/v1alpha/permission.proto

package generativelanguagepb

import (
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
)

const
 (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Defines types of the grantee of this permission.
type Permission_GranteeType int32

const (
```

```
 // The default value. This value is unused.
 Permission_GRANTEE_TYPE_UNSPECIFIED Permission_GranteeType = 0
 // Represents a user. When set, you must provide email_address for the user.
 Permission_USER Permission_GranteeType = 1
 // Represents a group. When set, you must provide email_address for the
 // group.
 Permission_GROUP Permission_GranteeType = 2
 // Represents access to everyone. No extra information is required.
 Permission_EVERYONE Permission_GranteeType = 3
)

// Enum value maps for Permission_GranteeType.
var (
 Permission_GranteeType_name = map[int32]string{
  0: "GRANTEE_TYPE_UNSPECIFIED",
  1: "USER",
  2:
 "GROUP",
  3: "EVERYONE",
 }
 Permission_GranteeType_value = map[string]int32{
  "GRANTEE_TYPE_UNSPECIFIED": 0,
  "USER":                     1,
  "GROUP":                    2,
  "EVERYONE":                 3,
 }
)

func (x Permission_GranteeType) Enum() *Permission_GranteeType {
 p := new(Permission_GranteeType)
 *p = x
 return p
}

func (x Permission_GranteeType) String() string {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_GranteeType) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1alpha_permission_proto_enumTypes[0].Descriptor()
}

func (Permission_GranteeType) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1alpha_permission_proto_enumTypes[0]
}

func (x Permission_GranteeType) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
```

```
}

// Deprecated: Use Permission_GranteeType.Descriptor instead.
func (Permission_GranteeType) EnumDescriptor() ([]byte,
 []int) {
 return file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescGZIP(), []int{0, 0}
}

// Defines the role granted by this permission.
type Permission_Role int32

const (
 // The default value. This value is unused.
 Permission_ROLE_UNSPECIFIED Permission_Role = 0
 // Owner can use, update, share and delete the resource.
 Permission_OWNER Permission_Role = 1
 // Writer can use, update and share the resource.
 Permission_WRITER Permission_Role = 2
 // Reader can use the resource.
 Permission_READER Permission_Role = 3
)

// Enum value maps for Permission_Role.
var (
 Permission_Role_name = map[int32]string{
  0: "ROLE_UNSPECIFIED",
  1: "OWNER",
  2: "WRITER",
  3: "READER",
 }
 Permission_Role_value = map[string]int32{
  "ROLE_UNSPECIFIED": 0,
  "OWNER":            1,
  "WRITER":           2,
  "READER":           3,
 }
)

func (x Permission_Role) Enum() *Permission_Role {
 p := new(Permission_Role)
 *p = x
 return p
}

func (x Permission_Role) String() string
 {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}
```

```
func (Permission_Role) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1alpha_permission_proto_enumTypes[1].Descriptor()
}

func (Permission_Role) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1alpha_permission_proto_enumTypes[1]
}

func (x Permission_Role) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_Role.Descriptor instead.
func (Permission_Role) EnumDescriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescGZIP(), []int{0, 1}
}

// Permission resource grants user, group or the rest of the world access to the
// PaLM API resource (e.g. a tuned model, corpus).
//
// A role is a collection of permitted operations that allows users to perform
// specific actions on PaLM API resources. To make them available to users,
// groups, or service
 accounts, you assign roles. When you assign a role, you
// grant permissions that the role contains.
//
// There are three concentric roles. Each role is a superset of the previous
// role's permitted operations:
//
// - reader can use the resource (e.g. tuned model, corpus) for inference
// - writer has reader's permissions and additionally can edit and share
// - owner has writer's permissions and additionally can delete
type Permission struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Output only. Identifier. The permission name. A unique name will be
 // generated on create. Examples:
 //
 // tunedModels/{tuned_model}/permissions/{permission}
 // corpora/{corpus}/permissions/{permission}
 //
 // Output only.
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Optional. Immutable. The type of the grantee.
 GranteeType *Permission_GranteeType
```

```
`protobuf:"varint,2,opt,name=grantee_type,json=granteeType,proto3,enum=google.ai.generativelanguage.v1alpha.P
ermission_GranteeType,oneof"
 json:"grantee_type,omitempty"`
 // Optional. Immutable. The email address of the user of group which this
 // permission refers. Field is not set when permission's grantee type is
 // EVERYONE.
 EmailAddress *string `protobuf:"bytes,3,opt,name=email_address,json=emailAddress,proto3,oneof"
json:"email_address,omitempty"`
 // Required. The role granted by this permission.
 Role *Permission_Role
`protobuf:"varint,4,opt,name=role,proto3,enum=google.ai.generativelanguage.v1alpha.Permission_Role,oneof"
json:"role,omitempty"`
}

func (x *Permission) Reset() {
 *x = Permission{}
 mi := &file_google_ai_generativelanguage_v1alpha_permission_proto_msgTypes[0]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *Permission) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*Permission) ProtoMessage() {}

func (x *Permission) ProtoReflect() protoreflect.Message
 {
 mi := &file_google_ai_generativelanguage_v1alpha_permission_proto_msgTypes[0]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use Permission.ProtoReflect.Descriptor instead.
func (*Permission) Descriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescGZIP(), []int{0}
}

func (x *Permission) GetName() string {
 if x != nil {
  return x.Name
```

```
 }
 return ""
}

func (x *Permission) GetGranteeType() Permission_GranteeType {
 if x != nil && x.GranteeType != nil {
  return *x.GranteeType
 }
 return Permission_GRANTEE_TYPE_UNSPECIFIED
}

func (x *Permission) GetEmailAddress() string {
 if x != nil && x.EmailAddress != nil {
  return *x.EmailAddress
 }
 return ""
}

func (x *Permission) GetRole() Permission_Role {
 if x != nil && x.Role != nil {
  return *x.Role
 }
 return Permission_ROLE_UNSPECIFIED
}

var
 File_google_ai_generativelanguage_v1alpha_permission_proto protoreflect.FileDescriptor

var file_google_ai_generativelanguage_v1alpha_permission_proto_rawDesc = []byte{
 0x0a, 0x35, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x76,
 0x31, 0x61, 0x6c, 0x70, 0x68, 0x61, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f,
 0x6e, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x24, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e,
 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e,
 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x61, 0x6c, 0x70, 0x68, 0x61, 0x1a, 0x1f, 0x67,
 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f,
 0x62, 0x65, 0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a, 0x19,
 0x67, 0x6f, 0x6f, 0x67, 0x6c,
 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75,
 0x72, 0x63, 0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0x87, 0x05, 0x0a, 0x0a, 0x50, 0x65,
 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x1a, 0x0a, 0x04, 0x6e, 0x61, 0x6d, 0x65,
 0x18, 0x01, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x03, 0xe0, 0x41, 0x08, 0x52, 0x04,
 0x6e, 0x61, 0x6d, 0x65, 0x12, 0x6c, 0x0a, 0x0c, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f,
 0x74, 0x79, 0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0e, 0x32, 0x3c, 0x2e, 0x67, 0x6f, 0x6f,
 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76,
 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x61, 0x6c, 0x70, 0x68,
 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x47, 0x72, 0x61,
 0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05,
```

0x48, 0x00, 0x52, 0x0b, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65,
0x65, 0x54, 0x79, 0x70, 0x65, 0x88,
0x01, 0x01, 0x12, 0x30, 0x0a, 0x0d, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72,
0x65, 0x73, 0x73, 0x18, 0x03, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41,
0x05, 0x48, 0x01, 0x52, 0x0c, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x41, 0x64, 0x64, 0x72, 0x65, 0x73,
0x73, 0x88, 0x01, 0x01, 0x12, 0x53, 0x0a, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x18, 0x04, 0x20, 0x01,
0x28, 0x0e, 0x32, 0x35, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67,
0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67,
0x65, 0x2e, 0x76, 0x31, 0x61, 0x6c, 0x70, 0x68, 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73,
0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x52, 0x6f, 0x6c, 0x65, 0x42, 0x03, 0xe0, 0x41, 0x02, 0x48, 0x02,
0x52, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x88, 0x01, 0x01, 0x22, 0x4e, 0x0a, 0x0b, 0x47, 0x72, 0x61,
0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x12, 0x1c, 0x0a, 0x18, 0x47, 0x52, 0x41,
0x4e,
0x54, 0x45, 0x45, 0x5f, 0x54, 0x59, 0x50, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49,
0x46, 0x49, 0x45, 0x44, 0x10, 0x00, 0x12, 0x08, 0x0a, 0x04, 0x55, 0x53, 0x45, 0x52, 0x10, 0x01,
0x12, 0x09, 0x0a, 0x05, 0x47, 0x52, 0x4f, 0x55, 0x50, 0x10, 0x02, 0x12, 0x0c, 0x0a, 0x08, 0x45,
0x56, 0x45, 0x52, 0x59, 0x4f, 0x4e, 0x45, 0x10, 0x03, 0x22, 0x3f, 0x0a, 0x04, 0x52, 0x6f, 0x6c,
0x65, 0x12, 0x14, 0x0a, 0x10, 0x52, 0x4f, 0x4c, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43,
0x49, 0x46, 0x49, 0x45, 0x44, 0x10, 0x00, 0x12, 0x09, 0x0a, 0x05, 0x4f, 0x57, 0x4e, 0x45, 0x52,
0x10, 0x01, 0x12, 0x0a, 0x0a, 0x06, 0x57, 0x52, 0x49, 0x54, 0x45, 0x52, 0x10, 0x02, 0x12, 0x0a,
0x0a, 0x06, 0x52, 0x45, 0x41, 0x44, 0x45, 0x52, 0x10, 0x03, 0x3a, 0xaa, 0x01, 0xea, 0x41, 0xa6,
0x01, 0x0a, 0x2c, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e,
0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73,
0x2e, 0x63, 0x6f, 0x6d,
0x2f, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12,
0x32, 0x74, 0x75, 0x6e, 0x65, 0x64, 0x4d, 0x6f, 0x64, 0x65, 0x6c, 0x73, 0x2f, 0x7b, 0x74, 0x75,
0x6e, 0x65, 0x64, 0x5f, 0x6d, 0x6f, 0x64, 0x65, 0x6c, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69,
0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69,
0x6f, 0x6e, 0x7d, 0x12, 0x29, 0x63, 0x6f, 0x72, 0x70, 0x6f, 0x72, 0x61, 0x2f, 0x7b, 0x63, 0x6f,
0x72, 0x70, 0x75, 0x73, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x2a, 0x0b,
0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x32, 0x0a, 0x70, 0x65, 0x72,
0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x42, 0x0f, 0x0a, 0x0d, 0x5f, 0x67, 0x72, 0x61, 0x6e,
0x74, 0x65, 0x65, 0x5f, 0x74, 0x79, 0x70, 0x65, 0x42, 0x10, 0x0a, 0x0e, 0x5f, 0x65, 0x6d, 0x61,
0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72, 0x65, 0x73,
0x73, 0x42, 0x07, 0x0a, 0x05, 0x5f, 0x72,
0x6f, 0x6c, 0x65, 0x42, 0x9d, 0x01, 0x0a, 0x28, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67,
0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65,
0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x61, 0x6c, 0x70, 0x68, 0x61,
0x42, 0x0f, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x50, 0x72, 0x6f, 0x74,
0x6f, 0x50, 0x01, 0x5a, 0x5e, 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
0x65, 0x2e, 0x63, 0x6f, 0x6d, 0x2f, 0x67, 0x6f, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x61,
0x70, 0x69, 0x76, 0x31, 0x61, 0x6c, 0x70, 0x68, 0x61, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61,
0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x3b, 0x67,
0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75,
0x61, 0x67,
0x65, 0x70, 0x62, 0x62, 0x06, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x33,

```
}

var (
 file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescOnce sync.Once
 file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescData =
file_google_ai_generativelanguage_v1alpha_permission_proto_rawDesc
)

func file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescGZIP() []byte {
 file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescOnce.Do(func() {
  file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescData)
 })
 return file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescData
}

var file_google_ai_generativelanguage_v1alpha_permission_proto_enumTypes = make([]protoimpl.EnumInfo, 2)
var file_google_ai_generativelanguage_v1alpha_permission_proto_msgTypes = make([]protoimpl.MessageInfo, 1)
var file_google_ai_generativelanguage_v1alpha_permission_proto_goTypes
 = []any{
 (Permission_GranteeType)(0), // 0: google.ai.generativelanguage.v1alpha.Permission.GranteeType
 (Permission_Role)(0),        // 1: google.ai.generativelanguage.v1alpha.Permission.Role
 (*Permission)(nil),          // 2: google.ai.generativelanguage.v1alpha.Permission
}
var file_google_ai_generativelanguage_v1alpha_permission_proto_depIdxs = []int32{
 0, // 0: google.ai.generativelanguage.v1alpha.Permission.grantee_type:type_name ->
google.ai.generativelanguage.v1alpha.Permission.GranteeType
 1, // 1: google.ai.generativelanguage.v1alpha.Permission.role:type_name ->
google.ai.generativelanguage.v1alpha.Permission.Role
 2, // [2:2] is the sub-list for method output_type
 2, // [2:2] is the sub-list for method input_type
 2, // [2:2] is the sub-list for extension type_name
 2, // [2:2] is the sub-list for extension extendee
 0, // [0:2] is the sub-list for field type_name
}

func init() { file_google_ai_generativelanguage_v1alpha_permission_proto_init()
 }
func file_google_ai_generativelanguage_v1alpha_permission_proto_init() {
 if File_google_ai_generativelanguage_v1alpha_permission_proto != nil {
  return
 }
 file_google_ai_generativelanguage_v1alpha_permission_proto_msgTypes[0].OneofWrappers = []any{}
 type x struct{}
 out := protoimpl.TypeBuilder{
  File: protoimpl.DescBuilder{
   GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
   RawDescriptor: file_google_ai_generativelanguage_v1alpha_permission_proto_rawDesc,
```

```
  NumEnums:      2,
  NumMessages:   1,
  NumExtensions: 0,
  NumServices:   0,
 },
 GoTypes:          file_google_ai_generativelanguage_v1alpha_permission_proto_goTypes,
 DependencyIndexes: file_google_ai_generativelanguage_v1alpha_permission_proto_depIdxs,
 EnumInfos:         file_google_ai_generativelanguage_v1alpha_permission_proto_enumTypes,
 MessageInfos:      file_google_ai_generativelanguage_v1alpha_permission_proto_msgTypes,
}.Build()
File_google_ai_generativelanguage_v1alpha_permission_proto = out.File
file_google_ai_generativelanguage_v1alpha_permission_proto_rawDesc
= nil
file_google_ai_generativelanguage_v1alpha_permission_proto_goTypes = nil
file_google_ai_generativelanguage_v1alpha_permission_proto_depIdxs = nil
}
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

//go:build go1.23

package compute_test
```

```
import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleLicensesClient_List_all() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications
 to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.ListLicensesRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
 }
 for resp, err := range c.List(ctx, req).All() {
  if err != nil {
   // TODO: Handle error and break/return/continue. Iteration will stop after any error.
  }
  // TODO: Use resp.
  _ = resp
 }
}
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// limitations under the License.
```

```
// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package procurement_test

import (
 "context"

 procurement "cloud.google.com/go/commerce/consumer/procurement/apiv1"
 procurementpb "cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb"
 longrunningpb "cloud.google.com/go/longrunning/autogen/longrunningpb"
 "google.golang.org/api/iterator"
)

func ExampleNewLicenseManagementClient() {
 ctx
 := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleNewLicenseManagementRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c,
 err := procurement.NewLicenseManagementRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}
```

```
func ExampleLicenseManagementClient_Assign() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &procurementpb.AssignRequest{
  // TODO: Fill request struct fields.
  // See
https://pkg.go.dev/cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb#AssignRequest.
 }
 resp, err := c.Assign(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 //
 TODO: Use resp.
 _ = resp
}

func ExampleLicenseManagementClient_EnumerateLicensedUsers() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &procurementpb.EnumerateLicensedUsersRequest{
  // TODO: Fill request struct fields.
  // See
https://pkg.go.dev/cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb#EnumerateLicense
dUsersRequest.
 }
 it := c.EnumerateLicensedUsers(ctx, req)
```

```
 for {
  resp, err := it.Next()
  if err == iterator.Done {
   break
  }
  if err != nil {
   // TODO: Handle error.
  }
  //
 TODO: Use resp.
  _ = resp

  // If you need to access the underlying RPC response,
  // you can do so by casting the `Response` as below.
  // Otherwise, remove this line. Only populated after
  // first call to Next(). Not safe for concurrent access.
  _ = it.Response.(*procurementpb.EnumerateLicensedUsersResponse)
 }
}

func ExampleLicenseManagementClient_GetLicensePool() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &procurementpb.GetLicensePoolRequest{
  // TODO: Fill request struct fields.
  //
 See
https://pkg.go.dev/cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb#GetLicensePoolRe
quest.
 }
 resp, err := c.GetLicensePool(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
```

```
func ExampleLicenseManagementClient_Unassign() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &procurementpb.UnassignRequest{
  // TODO: Fill request struct fields.
  // See
https://pkg.go.dev/cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb#UnassignRequest.
 }
 resp,
 err := c.Unassign(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseManagementClient_UpdateLicensePool() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &procurementpb.UpdateLicensePoolRequest{
  // TODO: Fill request struct fields.
  // See
https://pkg.go.dev/cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb#UpdateLicensePoo
lRequest.
 }
 resp, err := c.UpdateLicensePool(ctx, req)
 if err != nil {
```

```
  // TODO: Handle error.
 }
 //
 TODO: Use resp.
 _ = resp
}

func ExampleLicenseManagementClient_GetOperation() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &longrunningpb.GetOperationRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/longrunning/autogen/longrunningpb#GetOperationRequest.
 }
 resp, err := c.GetOperation(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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package compute_test
```

```
import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
 "google.golang.org/api/iterator"
)

func ExampleNewLicensesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will
 require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicensesClient_Delete() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.DeleteLicenseRequest{
  //
 TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
 }
 op, err := c.Delete(ctx, req)
 if err != nil {
  // TODO: Handle error.
```

```
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
 }
 resp,
 err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetIamPolicyLicenseRequest{
```

```
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetIamPolicyLicenseRequest.
 }
 resp, err := c.GetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_Insert()
 {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.InsertLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
 }
 op, err := c.Insert(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_List() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template
 only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
```

```
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.ListLicensesRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
}
it := c.List(ctx, req)
for {
 resp, err := it.Next()
 if err == iterator.Done {
  break
 }
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp

 // If you need to access the underlying RPC response,
 // you can do so by casting the `Response` as below.
 // Otherwise, remove this line. Only populated after
 // first call to Next(). Not safe for concurrent access.
 _ = it.Response.(*computepb.LicensesListResponse)
}
}

func
 ExampleLicensesClient_SetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.SetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
 }
```

```
 resp, err := c.SetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically
 generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
 }
 resp, err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
```

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```
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute
```

```
import (
 "bytes"
 "context"
 "fmt"
 "log/slog"
 "math"
 "net/http"
 "net/url"
 "time"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/iterator"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/protobuf/encoding/protojson"
 "google.golang.org/protobuf/proto"
)

var
 newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
 Delete             []gax.CallOption
 Get                []gax.CallOption
 GetIamPolicy       []gax.CallOption
 Insert             []gax.CallOption
 List               []gax.CallOption
 SetIamPolicy       []gax.CallOption
 TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
 return &LicensesCallOptions{
  Delete: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  Get: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
```

```
    },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
   }),
  },
  GetIamPolicy:
 []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
   }),
  },
  Insert: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  List: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
   }),
  },
  SetIamPolicy: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  TestIamPermissions: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
 }
}

//
 internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
 Close() error
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
```

```
 Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
 Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
 GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
 List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
 SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse,
 error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicensesClient

 // The call options for this service.
 CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
 return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

// Connection returns a connection
 to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
```

```
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
 return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption) (*computepb.License, error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy for a resource. May be empty
 if no such policy or resource exists. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
 return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a list of publicly-available licenses,
 use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
 return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.SetIamPolicy(ctx, req, opts...)
}
```

```
// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners
 who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // operationClient is used to call the operation-specific management service.
 operationClient *GlobalOperationsClient

 // The x-goog-* headers to be sent with each request.
 xGoogHeaders []string

 // Points back to the CallOptions field of the containing LicensesClient
 CallOptions **LicensesCallOptions

 logger *slog.Logger
}

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx
 context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
 clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicensesRESTCallOptions()
 c := &licensesRESTClient{
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
  logger:      internaloption.GetLogger(opts),
 }
```

```
 c.setGoogleClientInfo()

 o := []option.ClientOption{
  option.WithHTTPClient(httpClient),
  option.WithEndpoint(endpoint),
 }
 opC, err := NewGlobalOperationsRESTClient(ctx, o...)
 if err != nil {
  return nil, err
 }
 c.operationClient = opC

 return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultEndpointTemplate("https://compute.UNIVERSE_DOMAIN"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultUniverseDomain("googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
  internaloption.EnableNewAuthLibrary(),
 }
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogHeaders = []string{
  "x-goog-api-client", gax.XGoogHeader(kv...),
 }
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
 // Replace httpClient
 with nil to force cleanup.
 c.httpClient = nil
 if err := c.operationClient.Close(); err != nil {
  return err
 }
```

```
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
 return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client
 and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers
```

```
 buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, nil, "Delete")
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf,
resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders,
 hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.License{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
```

```
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, nil, "Get")
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource
 exists. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace
images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

 params := url.Values{}
 if req != nil && req.OptionsRequestedPolicyVersion != nil {
  params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
```

```
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds,
 "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, nil, "GetIamPolicy")
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended
 for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetLicenseResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
```

```
}

baseUrl, err := url.Parse(c.endpoint)
if err != nil {
 return nil, err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

params := url.Values{}
if req != nil && req.RequestId != nil {
 params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v", "project", url.QueryEscape(req.GetProject()))}

hds = append(c.xGoogHeaders, hds...)
hds = append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx,
hds...)
opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, jsonReq, "Insert")
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
```

```
 return nil, e
 }
 op := &Operation{
  &globalOperationsHandle{
   c:       c.operationClient,
   proto:   resp,
   project: req.GetProject(),
  },
 }
 return op, nil
}

// List retrieves the
 list of licenses available in the specified project. This method does not get any licenses that belong to other projects,
including licenses attached to publicly-available images, like Debian 9. If you want to get a list of publicly-available
licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts
...gax.CallOption) *LicenseIterator {
 it := &LicenseIterator{}
 req = proto.Clone(req).(*computepb.ListLicensesRequest)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
  resp := &computepb.LicensesListResponse{}
  if pageToken != "" {
   req.PageToken = proto.String(pageToken)
  }
  if pageSize > math.MaxInt32
  {
   req.MaxResults = proto.Uint32(uint32(math.MaxInt32))
  } else if pageSize != 0 {
   req.MaxResults = proto.Uint32(uint32(pageSize))
  }
  baseUrl, err := url.Parse(c.endpoint)
  if err != nil {
   return nil, "", err
  }
  baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

  params := url.Values{}
  if req != nil && req.Filter != nil {
   params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
  }
  if req != nil && req.MaxResults != nil {
   params.Add("maxResults", fmt.Sprintf("%v", req.GetMaxResults()))
  }
  if req != nil && req.OrderBy != nil {
   params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
```

```
 }
 if req != nil && req.PageToken != nil {
  params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
 }
 if req != nil && req.ReturnPartialSuccess != nil {
  params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from
client and context metadata.
 hds := append(c.xGoogHeaders, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq.Header = headers

  buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, nil, "List")
  if err != nil {
   return err
  }
  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, "", e
 }
 it.Response = resp
 return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
 items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
 if err != nil {
  return "", err
 }
 it.items = append(it.items, items...)
 return nextPageToken,
```

```
 nil
 }

 it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
 it.pageInfo.MaxSize = int(req.GetMaxResults())
 it.pageInfo.Token = req.GetPageToken()

 return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetGlobalSetPolicyRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds
 := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project", url.QueryEscape(req.GetProject()),
"resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
```

```
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, jsonReq, "SetIamPolicy")
  if err != nil {
   return err
  }

  if
 err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params",
 fmt.Sprintf("%s=%v&%s=%v", "project", url.QueryEscape(req.GetProject()), "resource",
url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
```

```
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, jsonReq, "TestIamPermissions")
  if err !=
 nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}
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```

```
// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

//go:build go1.23

package compute_test
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleNewLicenseCodesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 //
 - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}
```

```
func ExampleLicenseCodesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseCodeRequest{
  // TODO: Fill request
 struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
 }
 resp, err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseCodeRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
 }
 resp,
 err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
```

```
 // TODO: Use resp.
 _ = resp
}
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

//go:build go1.23

package procurement_test

import (
 "context"

 procurement "cloud.google.com/go/commerce/consumer/procurement/apiv1"
 procurementpb "cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb"
)

func ExampleLicenseManagementClient_EnumerateLicensedUsers_all() {
 ctx := context.Background()
 // This snippet has been automatically
 generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &procurementpb.EnumerateLicensedUsersRequest{
  // TODO: Fill request struct fields.
  // See
https://pkg.go.dev/cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb#EnumerateLicense
```

```
dUsersRequest.
 }
 for resp, err := range c.EnumerateLicensedUsers(ctx, req).All() {
  if err != nil {
   // TODO: Handle error and break/return/continue. Iteration will stop after any error.
  }
  // TODO: Use resp.
  _ = resp
 }
}

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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
//  protoc-gen-go v1.35.2
//  protoc        v4.25.3
// source: google/cloud/commerce/consumer/procurement/v1/license_management_service.proto

package procurementpb

import (
 context "context"
```

```
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"
 grpc "google.golang.org/grpc"
 codes "google.golang.org/grpc/codes"
 status
 "google.golang.org/grpc/status"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
 durationpb "google.golang.org/protobuf/types/known/durationpb"
 fieldmaskpb "google.golang.org/protobuf/types/known/fieldmaskpb"
 timestamppb "google.golang.org/protobuf/types/known/timestamppb"
)

const (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Assignment protocol for a license pool.
type AssignmentProtocol struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // The type of assignment protocol.
 //
 // Types that are assignable to AssignmentType:
 //
 // *AssignmentProtocol_ManualAssignmentType_
 // *AssignmentProtocol_AutoAssignmentType_
 AssignmentType
 isAssignmentProtocol_AssignmentType `protobuf_oneof:"assignment_type"`
}

func (x *AssignmentProtocol) Reset() {
 *x = AssignmentProtocol{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[0]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *AssignmentProtocol) String() string {
 return protoimpl.X.MessageStringOf(x)
```

```
}

func (*AssignmentProtocol) ProtoMessage() {}

func (x *AssignmentProtocol) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[0]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use AssignmentProtocol.ProtoReflect.Descriptor instead.
func (*AssignmentProtocol) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
 []int{0}
}

func (m *AssignmentProtocol) GetAssignmentType() isAssignmentProtocol_AssignmentType {
 if m != nil {
  return m.AssignmentType
 }
 return nil
}

func (x *AssignmentProtocol) GetManualAssignmentType() *AssignmentProtocol_ManualAssignmentType {
 if x, ok := x.GetAssignmentType().(*AssignmentProtocol_ManualAssignmentType_); ok {
  return x.ManualAssignmentType
 }
 return nil
}

func (x *AssignmentProtocol) GetAutoAssignmentType() *AssignmentProtocol_AutoAssignmentType {
 if x, ok := x.GetAssignmentType().(*AssignmentProtocol_AutoAssignmentType_); ok {
  return x.AutoAssignmentType
 }
 return nil
}

type isAssignmentProtocol_AssignmentType interface {
 isAssignmentProtocol_AssignmentType()
}
```

```
type AssignmentProtocol_ManualAssignmentType_ struct {
 // Allow manual assignments triggered by administrative operations only.
 ManualAssignmentType *AssignmentProtocol_ManualAssignmentType
`protobuf:"bytes,2,opt,name=manual_assignment_type,json=manualAssignmentType,proto3,oneof"`
}

type
 AssignmentProtocol_AutoAssignmentType_ struct {
 // Allow automatic assignments triggered by data plane operations.
 AutoAssignmentType *AssignmentProtocol_AutoAssignmentType
`protobuf:"bytes,3,opt,name=auto_assignment_type,json=autoAssignmentType,proto3,oneof"`
}

func (*AssignmentProtocol_ManualAssignmentType_) isAssignmentProtocol_AssignmentType() {}

func (*AssignmentProtocol_AutoAssignmentType_) isAssignmentProtocol_AssignmentType() {}

// A license pool represents a pool of licenses that can be assigned to users.
type LicensePool struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Identifier. Format:
 // `billingAccounts/{billing_account}/orders/{order}/licensePool`
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Required. Assignment protocol for the license pool.
 LicenseAssignmentProtocol *AssignmentProtocol
`protobuf:"bytes,2,opt,name=license_assignment_protocol,json=licenseAssignmentProtocol,proto3"
 json:"license_assignment_protocol,omitempty"`
 // Output only. Licenses count that are available to be assigned.
 AvailableLicenseCount int32
`protobuf:"varint,3,opt,name=available_license_count,json=availableLicenseCount,proto3"
json:"available_license_count,omitempty"`
 // Output only. Total number of licenses in the pool.
 TotalLicenseCount int32 `protobuf:"varint,4,opt,name=total_license_count,json=totalLicenseCount,proto3"
json:"total_license_count,omitempty"`
}

func (x *LicensePool) Reset() {
 *x = LicensePool{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[1]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}
```

```
func (x *LicensePool) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*LicensePool) ProtoMessage() {}

func (x *LicensePool) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[1]
 if
 x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use LicensePool.ProtoReflect.Descriptor instead.
func (*LicensePool) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{1}
}

func (x *LicensePool) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *LicensePool) GetLicenseAssignmentProtocol() *AssignmentProtocol {
 if x != nil {
  return x.LicenseAssignmentProtocol
 }
 return nil
}

func (x *LicensePool) GetAvailableLicenseCount() int32 {
 if x != nil {
  return x.AvailableLicenseCount
 }
 return 0
}
```

```
func (x *LicensePool) GetTotalLicenseCount() int32 {
 if x != nil {
  return x.TotalLicenseCount
 }
 return 0
}

// Request message for getting a
 license pool.
type GetLicensePoolRequest struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Required. The name of the license pool to get.
 // Format: `billingAccounts/{billing_account}/orders/{order}/licensePool`
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
}

func (x *GetLicensePoolRequest) Reset() {
 *x = GetLicensePoolRequest{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[2]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *GetLicensePoolRequest) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*GetLicensePoolRequest) ProtoMessage() {}

func (x *GetLicensePoolRequest) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[2]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if
 ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use GetLicensePoolRequest.ProtoReflect.Descriptor instead.
```

```
func (*GetLicensePoolRequest) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{2}
}

func (x *GetLicensePoolRequest) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

// Request message for updating a license pool.
type UpdateLicensePoolRequest struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Required. The license pool to update.
 //
 // The license pool's name field is used to identify the license pool to
 // update. Format:
 // `billingAccounts/{billing_account}/orders/{order}/licensePool`.
 LicensePool *LicensePool `protobuf:"bytes,1,opt,name=license_pool,json=licensePool,proto3"
json:"license_pool,omitempty"`
 //
 Required. The list of fields to update.
 UpdateMask *fieldmaskpb.FieldMask `protobuf:"bytes,2,opt,name=update_mask,json=updateMask,proto3"
json:"update_mask,omitempty"`
}

func (x *UpdateLicensePoolRequest) Reset() {
 *x = UpdateLicensePoolRequest{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[3]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *UpdateLicensePoolRequest) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*UpdateLicensePoolRequest) ProtoMessage() {}

func (x *UpdateLicensePoolRequest) ProtoReflect() protoreflect.Message {
 mi :=
```

```
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[3]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use UpdateLicensePoolRequest.ProtoReflect.Descriptor
 instead.
func (*UpdateLicensePoolRequest) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{3}
}

func (x *UpdateLicensePoolRequest) GetLicensePool() *LicensePool {
 if x != nil {
  return x.LicensePool
 }
 return nil
}

func (x *UpdateLicensePoolRequest) GetUpdateMask() *fieldmaskpb.FieldMask {
 if x != nil {
  return x.UpdateMask
 }
 return nil
}

// Request message for
//
[LicenseManagementService.Assign][google.cloud.commerce.consumer.procurement.v1.LicenseManagementServic
e.Assign].
type AssignRequest struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Required. License pool name.
 Parent string `protobuf:"bytes,1,opt,name=parent,proto3" json:"parent,omitempty"`
 // Required. Username.
 // Format: `name@domain.com`.
 Usernames []string `protobuf:"bytes,2,rep,name=usernames,proto3" json:"usernames,omitempty"`
}
```

```
func
 (x *AssignRequest) Reset() {
 *x = AssignRequest{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[4]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *AssignRequest) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*AssignRequest) ProtoMessage() {}

func (x *AssignRequest) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[4]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use AssignRequest.ProtoReflect.Descriptor instead.
func (*AssignRequest) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{4}
}

func (x *AssignRequest) GetParent()
 string {
 if x != nil {
  return x.Parent
 }
 return ""
}

func (x *AssignRequest) GetUsernames() []string {
 if x != nil {
  return x.Usernames
 }
```

```
 return nil
}

// Response message for
//
[LicenseManagementService.Assign][google.cloud.commerce.consumer.procurement.v1.LicenseManagementServic
e.Assign].
type AssignResponse struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields
}

func (x *AssignResponse) Reset() {
 *x = AssignResponse{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[5]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *AssignResponse) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*AssignResponse) ProtoMessage() {}

func (x *AssignResponse) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[5]
 if x
 != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use AssignResponse.ProtoReflect.Descriptor instead.
func (*AssignResponse) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{5}
}
```

```
// Request message for
//
[LicenseManagementService.Unassign][google.cloud.commerce.consumer.procurement.v1.LicenseManagementSer
vice.Unassign].
type UnassignRequest struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Required. License pool name.
 Parent string `protobuf:"bytes,1,opt,name=parent,proto3" json:"parent,omitempty"`
 // Required. Username.
 // Format: `name@domain.com`.
 Usernames []string `protobuf:"bytes,2,rep,name=usernames,proto3" json:"usernames,omitempty"`
}

func (x *UnassignRequest) Reset()
 {
 *x = UnassignRequest{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[6]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *UnassignRequest) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*UnassignRequest) ProtoMessage() {}

func (x *UnassignRequest) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[6]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use UnassignRequest.ProtoReflect.Descriptor instead.
func (*UnassignRequest) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
```

```
[]int{6}
}

func (x *UnassignRequest) GetParent() string {
 if x != nil {
  return
 x.Parent
 }
 return ""
}

func (x *UnassignRequest) GetUsernames() []string {
 if x != nil {
  return x.Usernames
 }
 return nil
}

// Response message for
//
[LicenseManagementService.Unassign][google.cloud.commerce.consumer.procurement.v1.LicenseManagementSer
vice.Unassign].
type UnassignResponse struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields
}

func (x *UnassignResponse) Reset() {
 *x = UnassignResponse{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[7]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *UnassignResponse) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*UnassignResponse) ProtoMessage() {}

func (x *UnassignResponse) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[7]
 if x != nil {
  ms
```

```
 := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use UnassignResponse.ProtoReflect.Descriptor instead.
func (*UnassignResponse) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{7}
}

// Request message for
//
[LicenseManagementService.EnumerateLicensedUsers][google.cloud.commerce.consumer.procurement.v1.License
ManagementService.EnumerateLicensedUsers].
type EnumerateLicensedUsersRequest struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Required. License pool name.
 Parent string `protobuf:"bytes,1,opt,name=parent,proto3" json:"parent,omitempty"`
 // Optional. The maximum number of users to return. The service may return
 // fewer than this value.
 PageSize int32 `protobuf:"varint,2,opt,name=page_size,json=pageSize,proto3"
 json:"page_size,omitempty"`
 // Optional. A page token, received from a previous `EnumerateLicensedUsers`
 // call. Provide this to retrieve the subsequent page.
 PageToken string `protobuf:"bytes,3,opt,name=page_token,json=pageToken,proto3" json:"page_token,omitempty"`
}

func (x *EnumerateLicensedUsersRequest) Reset() {
 *x = EnumerateLicensedUsersRequest{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[8]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *EnumerateLicensedUsersRequest) String() string {
 return protoimpl.X.MessageStringOf(x)
}
```

```
func (*EnumerateLicensedUsersRequest) ProtoMessage() {}

func (x *EnumerateLicensedUsersRequest) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[8]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo()
 == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use EnumerateLicensedUsersRequest.ProtoReflect.Descriptor instead.
func (*EnumerateLicensedUsersRequest) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{8}
}

func (x *EnumerateLicensedUsersRequest) GetParent() string {
 if x != nil {
  return x.Parent
 }
 return ""
}

func (x *EnumerateLicensedUsersRequest) GetPageSize() int32 {
 if x != nil {
  return x.PageSize
 }
 return 0
}

func (x *EnumerateLicensedUsersRequest) GetPageToken() string {
 if x != nil {
  return x.PageToken
 }
 return ""
}

// A licensed user.
type LicensedUser struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
```

```
 unknownFields protoimpl.UnknownFields

 // Username.
 // Format: `name@domain.com`.
 Username string `protobuf:"bytes,1,opt,name=username,proto3" json:"username,omitempty"`
 //
 Output only. Timestamp when the license was assigned.
 AssignTime *timestamppb.Timestamp `protobuf:"bytes,2,opt,name=assign_time,json=assignTime,proto3"
json:"assign_time,omitempty"`
 // Output only. Timestamp when the license was recently used. This may not be
 // the most recent usage time, and will be updated regularly (within 24
 // hours).
 RecentUsageTime *timestamppb.Timestamp
`protobuf:"bytes,3,opt,name=recent_usage_time,json=recentUsageTime,proto3"
json:"recent_usage_time,omitempty"`
}

func (x *LicensedUser) Reset() {
 *x = LicensedUser{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[9]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *LicensedUser) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*LicensedUser) ProtoMessage() {}

func (x *LicensedUser) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[9]
 if
 x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use LicensedUser.ProtoReflect.Descriptor instead.
func (*LicensedUser) Descriptor() ([]byte, []int) {
 return
```

```
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{9}
}

func (x *LicensedUser) GetUsername() string {
 if x != nil {
  return x.Username
 }
 return ""
}

func (x *LicensedUser) GetAssignTime() *timestamppb.Timestamp {
 if x != nil {
  return x.AssignTime
 }
 return nil
}

func (x *LicensedUser) GetRecentUsageTime() *timestamppb.Timestamp {
 if x != nil {
  return x.RecentUsageTime
 }
 return nil
}

// Response message for
//
[LicenseManagementService.EnumerateLicensedUsers][google.cloud.commerce.consumer.procurement.v1.License
ManagementService.EnumerateLicensedUsers].
type EnumerateLicensedUsersResponse
 struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // The list of licensed users.
 LicensedUsers []*LicensedUser `protobuf:"bytes,1,rep,name=licensed_users,json=licensedUsers,proto3"
json:"licensed_users,omitempty"`
 // A token that can be sent as `page_token` to retrieve the next page.
 // If this field is omitted, there are no subsequent pages.
 NextPageToken string `protobuf:"bytes,2,opt,name=next_page_token,json=nextPageToken,proto3"
json:"next_page_token,omitempty"`
}

func (x *EnumerateLicensedUsersResponse) Reset() {
 *x = EnumerateLicensedUsersResponse{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[10]
```

```
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *EnumerateLicensedUsersResponse) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*EnumerateLicensedUsersResponse) ProtoMessage() {}

func
 (x *EnumerateLicensedUsersResponse) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[10]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use EnumerateLicensedUsersResponse.ProtoReflect.Descriptor instead.
func (*EnumerateLicensedUsersResponse) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{10}
}

func (x *EnumerateLicensedUsersResponse) GetLicensedUsers() []*LicensedUser {
 if x != nil {
  return x.LicensedUsers
 }
 return nil
}

func (x *EnumerateLicensedUsersResponse) GetNextPageToken() string {
 if x != nil {
  return x.NextPageToken
 }
 return ""
}

// Allow manual assignments triggered by administrative operations only.
type AssignmentProtocol_ManualAssignmentType
```

```
 struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields
}

func (x *AssignmentProtocol_ManualAssignmentType) Reset() {
 *x = AssignmentProtocol_ManualAssignmentType{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[11]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *AssignmentProtocol_ManualAssignmentType) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*AssignmentProtocol_ManualAssignmentType) ProtoMessage() {}

func (x *AssignmentProtocol_ManualAssignmentType) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[11]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated:
 Use AssignmentProtocol_ManualAssignmentType.ProtoReflect.Descriptor instead.
func (*AssignmentProtocol_ManualAssignmentType) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{0, 0}
}

// Configuration for automatic assignments handled by data plane operations.
type AssignmentProtocol_AutoAssignmentType struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Optional. The time to live for an inactive license. After this time has
```

```
 // passed, the license will be automatically unassigned from the user. Must
 // be at least 7 days, if set. If unset, the license will never expire.
 InactiveLicenseTtl *durationpb.Duration
`protobuf:"bytes,1,opt,name=inactive_license_ttl,json=inactiveLicenseTtl,proto3"
json:"inactive_license_ttl,omitempty"`
}

func (x *AssignmentProtocol_AutoAssignmentType) Reset() {
 *x = AssignmentProtocol_AutoAssignmentType{}
 mi
 := &file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[12]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *AssignmentProtocol_AutoAssignmentType) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*AssignmentProtocol_AutoAssignmentType) ProtoMessage() {}

func (x *AssignmentProtocol_AutoAssignmentType) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[12]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use AssignmentProtocol_AutoAssignmentType.ProtoReflect.Descriptor instead.
func (*AssignmentProtocol_AutoAssignmentType) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
 []int{0, 1}
}

func (x *AssignmentProtocol_AutoAssignmentType) GetInactiveLicenseTtl() *durationpb.Duration {
 if x != nil {
  return x.InactiveLicenseTtl
 }
 return nil
}
```

```
var File_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto protoreflect.FileDescriptor

var file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDesc = []byte{
 0x0a, 0x4e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2f, 0x63,
 0x6f, 0x6d, 0x6d, 0x65, 0x72, 0x63, 0x65, 0x2f, 0x63, 0x6f, 0x6e, 0x73, 0x75, 0x6d, 0x65, 0x72,
 0x2f, 0x70, 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x2f, 0x76, 0x31, 0x2f,
 0x6c, 0x69, 0x63, 0x65, 0x6e, 0x73, 0x65, 0x5f, 0x6d, 0x61, 0x6e, 0x61, 0x67, 0x65, 0x6d, 0x65,
 0x6e, 0x74, 0x5f, 0x73, 0x65, 0x72, 0x76, 0x69, 0x63, 0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f,
 0x12, 0x2d, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x63,
 0x6f,
 0x6d, 0x6d, 0x65, 0x72, 0x63, 0x65, 0x2e, 0x63, 0x6f, 0x6e, 0x73, 0x75, 0x6d, 0x65, 0x72,
 0x2e, 0x70, 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x2e, 0x76, 0x31, 0x1a,
 0x1c, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x61, 0x6e, 0x6e, 0x6f,
 0x74, 0x61, 0x74, 0x69, 0x6f, 0x6e, 0x73, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a, 0x17, 0x67,
 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x63, 0x6c, 0x69, 0x65, 0x6e, 0x74,
 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a, 0x1f, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61,
 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x62, 0x65, 0x68, 0x61, 0x76, 0x69, 0x6f,
 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a, 0x19, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f,
 0x61, 0x70, 0x69, 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75, 0x72, 0x63, 0x65, 0x2e, 0x70, 0x72, 0x6f,
 0x74, 0x6f, 0x1a, 0x1e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x70, 0x72, 0x6f, 0x74, 0x6f,
 0x62, 0x75, 0x66, 0x2f, 0x64,
 0x75, 0x72, 0x61, 0x74, 0x69, 0x6f, 0x6e, 0x2e, 0x70, 0x72, 0x6f,
 0x74, 0x6f, 0x1a, 0x20, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x70, 0x72, 0x6f, 0x74, 0x6f,
 0x62, 0x75, 0x66, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x6d, 0x61, 0x73, 0x6b, 0x2e, 0x70,
 0x72, 0x6f, 0x74, 0x6f, 0x1a, 0x1f, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x70, 0x72, 0x6f,
 0x74, 0x6f, 0x62, 0x75, 0x66, 0x2f, 0x74, 0x69, 0x6d, 0x65, 0x73, 0x74, 0x61, 0x6d, 0x70, 0x2e,
 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0xc3, 0x03, 0x0a, 0x12, 0x41, 0x73, 0x73, 0x69, 0x67, 0x6e,
 0x6d, 0x65, 0x6e, 0x74, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x63, 0x6f, 0x6c, 0x12, 0x8e, 0x01, 0x0a,
 0x16, 0x6d, 0x61, 0x6e, 0x75, 0x61, 0x6c, 0x5f, 0x61, 0x73, 0x73, 0x69, 0x67, 0x6e, 0x6d, 0x65,
 0x6e, 0x74, 0x5f, 0x74, 0x79, 0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0b, 0x32, 0x56, 0x2e,
 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x63, 0x6f, 0x6d,
 0x6d, 0x65, 0x72, 0x63, 0x65, 0x2e, 0x63, 0x6f, 0x6e, 0x73,
 0x75, 0x6d, 0x65, 0x72, 0x2e, 0x70,
 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x2e, 0x76, 0x31, 0x2e, 0x41, 0x73,
 0x73, 0x69, 0x67, 0x6e, 0x6d, 0x65, 0x6e, 0x74, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x63, 0x6f, 0x6c,
 0x2e, 0x4d, 0x61, 0x6e, 0x75, 0x61, 0x6c, 0x41, 0x73, 0x73, 0x69, 0x67, 0x6e, 0x6d, 0x65, 0x6e,
 0x74, 0x54, 0x79, 0x70, 0x65, 0x48, 0x00, 0x52, 0x14, 0x6d, 0x61, 0x6e, 0x75, 0x61, 0x6c, 0x41,
 0x73, 0x73, 0x69, 0x67, 0x6e, 0x6d, 0x65, 0x6e, 0x74, 0x54, 0x79, 0x70, 0x65, 0x12, 0x88, 0x01,
 0x0a, 0x14, 0x61, 0x75, 0x74, 0x6f, 0x5f, 0x61, 0x73, 0x73, 0x69, 0x67, 0x6e, 0x6d, 0x65, 0x6e,
 0x74, 0x5f, 0x74, 0x79, 0x70, 0x65, 0x18, 0x03, 0x20, 0x01, 0x28, 0x0b, 0x32, 0x54, 0x2e, 0x67,
 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x63, 0x6f, 0x6d, 0x6d,
 0x65, 0x72, 0x63, 0x65, 0x2e, 0x63, 0x6f, 0x6e, 0x73, 0x75, 0x6d, 0x65, 0x72, 0x2e, 0x70, 0x72,
 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x2e, 0x76, 0x31, 0x2e, 0x41, 0x73,
 0x73,
 0x69, 0x67, 0x6e, 0x6d, 0x65, 0x6e, 0x74, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x63, 0x6f, 0x6c, 0x2e,
 0x41, 0x75, 0x74, 0x6f, 0x41, 0x73, 0x73, 0x69, 0x67, 0x6e, 0x6d, 0x65, 0x6e, 0x74, 0x54, 0x79,
```

0x70, 0x65, 0x48, 0x00, 0x52, 0x12, 0x61, 0x75, 0x74, 0x6f, 0x41, 0x73, 0x73, 0x69, 0x67, 0x6e,
0x6d, 0x65, 0x6e, 0x74, 0x54, 0x79, 0x70, 0x65, 0x1a, 0x16, 0x0a, 0x14, 0x4d, 0x61, 0x6e, 0x75,
0x61, 0x6c, 0x41, 0x73, 0x73, 0x69, 0x67, 0x6e, 0x6d, 0x65, 0x6e, 0x74, 0x54, 0x79, 0x70, 0x65,
0x1a, 0x66, 0x0a, 0x12, 0x41, 0x75, 0x74, 0x6f, 0x41, 0x73, 0x73, 0x69, 0x67, 0x6e, 0x6d, 0x65,
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 0x3a, 0x3a, 0x56, 0x31, 0x62, 0x06, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescOnce
sync.Once
 file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescData
 = file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDesc
)

func
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP()
[]byte {
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescOnce.Do(f
unc() {
  file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_cloud_commerce_consumer_procurement_v1_license_management_servi
ce_proto_rawDescData)
 })
```

```
 return file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescData
}

var file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes =
make([]protoimpl.MessageInfo, 13)
var file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_goTypes =
[]any{
 (*AssignmentProtocol)(nil),
                    // 0: google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol
 (*LicensePool)(nil),                        // 1: google.cloud.commerce.consumer.procurement.v1.LicensePool
 (*GetLicensePoolRequest)(nil),                  // 2:
google.cloud.commerce.consumer.procurement.v1.GetLicensePoolRequest
 (*UpdateLicensePoolRequest)(nil),               // 3:
google.cloud.commerce.consumer.procurement.v1.UpdateLicensePoolRequest
 (*AssignRequest)(nil),                      // 4: google.cloud.commerce.consumer.procurement.v1.AssignRequest
 (*AssignResponse)(nil),                      // 5: google.cloud.commerce.consumer.procurement.v1.AssignResponse
 (*UnassignRequest)(nil),                     // 6: google.cloud.commerce.consumer.procurement.v1.UnassignRequest
 (*UnassignResponse)(nil),                    // 7: google.cloud.commerce.consumer.procurement.v1.UnassignResponse
 (*EnumerateLicensedUsersRequest)(nil),          // 8:
google.cloud.commerce.consumer.procurement.v1.EnumerateLicensedUsersRequest
 (*LicensedUser)(nil),
                        // 9: google.cloud.commerce.consumer.procurement.v1.LicensedUser
 (*EnumerateLicensedUsersResponse)(nil),         // 10:
google.cloud.commerce.consumer.procurement.v1.EnumerateLicensedUsersResponse
 (*AssignmentProtocol_ManualAssignmentType)(nil), // 11:
google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.ManualAssignmentType
 (*AssignmentProtocol_AutoAssignmentType)(nil),   // 12:
google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.AutoAssignmentType
 (*fieldmaskpb.FieldMask)(nil),                  // 13: google.protobuf.FieldMask
 (*timestamppb.Timestamp)(nil),                   // 14: google.protobuf.Timestamp
 (*durationpb.Duration)(nil),                    // 15: google.protobuf.Duration
}
var file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_depIdxs =
[]int32{
 11, // 0:
google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.manual_assignment_type:type_name
 -> google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.ManualAssignmentType
 12, // 1: google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.auto_assignment_type:type_name -
> google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.AutoAssignmentType
 0,  // 2: google.cloud.commerce.consumer.procurement.v1.LicensePool.license_assignment_protocol:type_name ->
google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol
 1,  // 3: google.cloud.commerce.consumer.procurement.v1.UpdateLicensePoolRequest.license_pool:type_name ->
google.cloud.commerce.consumer.procurement.v1.LicensePool
 13, // 4: google.cloud.commerce.consumer.procurement.v1.UpdateLicensePoolRequest.update_mask:type_name ->
google.protobuf.FieldMask
 14, // 5: google.cloud.commerce.consumer.procurement.v1.LicensedUser.assign_time:type_name ->
google.protobuf.Timestamp
 14, // 6: google.cloud.commerce.consumer.procurement.v1.LicensedUser.recent_usage_time:type_name
```

```
 -> google.protobuf.Timestamp
 9,  // 7:
google.cloud.commerce.consumer.procurement.v1.EnumerateLicensedUsersResponse.licensed_users:type_name ->
google.cloud.commerce.consumer.procurement.v1.LicensedUser
 15, // 8:
google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.AutoAssignmentType.inactive_license_ttl:t
ype_name -> google.protobuf.Duration
 2,  // 9: google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.GetLicensePool:input_type -
> google.cloud.commerce.consumer.procurement.v1.GetLicensePoolRequest
 3,  // 10:
google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.UpdateLicensePool:input_type ->
google.cloud.commerce.consumer.procurement.v1.UpdateLicensePoolRequest
 4,  // 11: google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.Assign:input_type ->
google.cloud.commerce.consumer.procurement.v1.AssignRequest
 6,  // 12: google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.Unassign:input_type
 -> google.cloud.commerce.consumer.procurement.v1.UnassignRequest
 8,  // 13:
google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.EnumerateLicensedUsers:input_typ
e -> google.cloud.commerce.consumer.procurement.v1.EnumerateLicensedUsersRequest
 1,  // 14:
google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.GetLicensePool:output_type ->
google.cloud.commerce.consumer.procurement.v1.LicensePool
 1,  // 15:
google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.UpdateLicensePool:output_type ->
google.cloud.commerce.consumer.procurement.v1.LicensePool
 5,  // 16: google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.Assign:output_type ->
google.cloud.commerce.consumer.procurement.v1.AssignResponse
 7,  // 17: google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.Unassign:output_type ->
google.cloud.commerce.consumer.procurement.v1.UnassignResponse
 10, // 18:
google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.EnumerateLicensedUsers:output_ty
pe
 -> google.cloud.commerce.consumer.procurement.v1.EnumerateLicensedUsersResponse
 14, // [14:19] is the sub-list for method output_type
 9,  // [9:14] is the sub-list for method input_type
 9,  // [9:9] is the sub-list for extension type_name
 9,  // [9:9] is the sub-list for extension extendee
 0,  // [0:9] is the sub-list for field type_name
}

func init() {
 file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_init()
}
func file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_init() {
 if File_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto != nil {
  return
 }
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[0].Oneof
```

```
Wrappers = []any{
  (*AssignmentProtocol_ManualAssignmentType_)(nil),
  (*AssignmentProtocol_AutoAssignmentType_)(nil),
 }
 type x struct{}
 out := protoimpl.TypeBuilder{
  File:
 protoimpl.DescBuilder{
   GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
   RawDescriptor:
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDesc,
   NumEnums:      0,
   NumMessages:   13,
   NumExtensions: 0,
   NumServices:   1,
  },
  GoTypes:
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_goTypes,
  DependencyIndexes:
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_depIdxs,
  MessageInfos:
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes,
 }.Build()
 File_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto = out.File
 file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDesc = nil
 file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_goTypes = nil
 file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_depIdxs
 = nil
}

// Reference imports to suppress errors if they are not otherwise used.
var _ context.Context
var _ grpc.ClientConnInterface

// This is a compile-time assertion to ensure that this generated file
// is compatible with the grpc package it is being compiled against.
const _ = grpc.SupportPackageIsVersion6

// LicenseManagementServiceClient is the client API for LicenseManagementService service.
//
// For semantics around ctx use and closing/ending streaming RPCs, please refer to
https://godoc.org/google.golang.org/grpc#ClientConn.NewStream.
type LicenseManagementServiceClient interface {
 // Gets the license pool.
 GetLicensePool(ctx context.Context, in *GetLicensePoolRequest, opts ...grpc.CallOption) (*LicensePool, error)
 // Updates the license pool if one exists for this Order.
 UpdateLicensePool(ctx context.Context, in *UpdateLicensePoolRequest, opts ...grpc.CallOption) (*LicensePool,
error)
```

```
 // Assigns a license to a user.
 Assign(ctx
 context.Context, in *AssignRequest, opts ...grpc.CallOption) (*AssignResponse, error)
 // Unassigns a license from a user.
 Unassign(ctx context.Context, in *UnassignRequest, opts ...grpc.CallOption) (*UnassignResponse, error)
 // Enumerates all users assigned a license.
 EnumerateLicensedUsers(ctx context.Context, in *EnumerateLicensedUsersRequest, opts ...grpc.CallOption)
(*EnumerateLicensedUsersResponse, error)
}

type licenseManagementServiceClient struct {
 cc grpc.ClientConnInterface
}

func NewLicenseManagementServiceClient(cc grpc.ClientConnInterface) LicenseManagementServiceClient {
 return &licenseManagementServiceClient{cc}
}

func (c *licenseManagementServiceClient) GetLicensePool(ctx context.Context, in *GetLicensePoolRequest, opts
...grpc.CallOption) (*LicensePool, error) {
 out := new(LicensePool)
 err := c.cc.Invoke(ctx,
"/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/GetLicensePool", in, out, opts...)
 if err != nil {
  return nil, err
 }
 return
 out, nil
}

func (c *licenseManagementServiceClient) UpdateLicensePool(ctx context.Context, in
*UpdateLicensePoolRequest, opts ...grpc.CallOption) (*LicensePool, error) {
 out := new(LicensePool)
 err := c.cc.Invoke(ctx,
"/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/UpdateLicensePool", in, out,
opts...)
 if err != nil {
  return nil, err
 }
 return out, nil
}

func (c *licenseManagementServiceClient) Assign(ctx context.Context, in *AssignRequest, opts ...grpc.CallOption)
(*AssignResponse, error) {
 out := new(AssignResponse)
 err := c.cc.Invoke(ctx, "/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/Assign", in,
out, opts...)
 if err != nil {
```

```
  return nil, err
 }
 return out, nil
}

func (c *licenseManagementServiceClient) Unassign(ctx context.Context, in *UnassignRequest, opts
...grpc.CallOption) (*UnassignResponse, error) {
 out := new(UnassignResponse)
 err := c.cc.Invoke(ctx, "/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/Unassign",
 in, out, opts...)
 if err != nil {
  return nil, err
 }
 return out, nil
}

func (c *licenseManagementServiceClient) EnumerateLicensedUsers(ctx context.Context, in
*EnumerateLicensedUsersRequest, opts ...grpc.CallOption) (*EnumerateLicensedUsersResponse, error) {
 out := new(EnumerateLicensedUsersResponse)
 err := c.cc.Invoke(ctx,
"/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/EnumerateLicensedUsers", in, out,
opts...)
 if err != nil {
  return nil, err
 }
 return out, nil
}

// LicenseManagementServiceServer is the server API for LicenseManagementService service.
type LicenseManagementServiceServer interface {
 // Gets the license pool.
 GetLicensePool(context.Context, *GetLicensePoolRequest) (*LicensePool, error)
 // Updates the license pool if one exists for this Order.
 UpdateLicensePool(context.Context, *UpdateLicensePoolRequest) (*LicensePool, error)
 // Assigns a license to a user.
 Assign(context.Context, *AssignRequest)
 (*AssignResponse, error)
 // Unassigns a license from a user.
 Unassign(context.Context, *UnassignRequest) (*UnassignResponse, error)
 // Enumerates all users assigned a license.
 EnumerateLicensedUsers(context.Context, *EnumerateLicensedUsersRequest)
(*EnumerateLicensedUsersResponse, error)
}

// UnimplementedLicenseManagementServiceServer can be embedded to have forward compatible
implementations.
type UnimplementedLicenseManagementServiceServer struct {
}
```

```
func (*UnimplementedLicenseManagementServiceServer) GetLicensePool(context.Context,
*GetLicensePoolRequest) (*LicensePool, error) {
 return nil, status.Errorf(codes.Unimplemented, "method GetLicensePool not implemented")
}
func (*UnimplementedLicenseManagementServiceServer) UpdateLicensePool(context.Context,
*UpdateLicensePoolRequest) (*LicensePool, error) {
 return nil, status.Errorf(codes.Unimplemented, "method UpdateLicensePool not implemented")
}
func (*UnimplementedLicenseManagementServiceServer) Assign(context.Context, *AssignRequest)
 (*AssignResponse, error) {
 return nil, status.Errorf(codes.Unimplemented, "method Assign not implemented")
}
func (*UnimplementedLicenseManagementServiceServer) Unassign(context.Context, *UnassignRequest)
(*UnassignResponse, error) {
 return nil, status.Errorf(codes.Unimplemented, "method Unassign not implemented")
}
func (*UnimplementedLicenseManagementServiceServer) EnumerateLicensedUsers(context.Context,
*EnumerateLicensedUsersRequest) (*EnumerateLicensedUsersResponse, error) {
 return nil, status.Errorf(codes.Unimplemented, "method EnumerateLicensedUsers not implemented")
}

func RegisterLicenseManagementServiceServer(s *grpc.Server, srv LicenseManagementServiceServer) {
 s.RegisterService(&_LicenseManagementService_serviceDesc, srv)
}

func _LicenseManagementService_GetLicensePool_Handler(srv interface{}, ctx context.Context, dec
func(interface{}) error, interceptor grpc.UnaryServerInterceptor) (interface{}, error) {
 in := new(GetLicensePoolRequest)
 if err := dec(in);
 err != nil {
  return nil, err
 }
 if interceptor == nil {
  return srv.(LicenseManagementServiceServer).GetLicensePool(ctx, in)
 }
 info := &grpc.UnaryServerInfo{
  Server:     srv,
  FullMethod: "/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/GetLicensePool",
 }
 handler := func(ctx context.Context, req interface{}) (interface{}, error) {
  return srv.(LicenseManagementServiceServer).GetLicensePool(ctx, req.(*GetLicensePoolRequest))
 }
 return interceptor(ctx, in, info, handler)
}

func _LicenseManagementService_UpdateLicensePool_Handler(srv interface{}, ctx context.Context, dec
func(interface{}) error, interceptor grpc.UnaryServerInterceptor) (interface{}, error) {
```

```
 in := new(UpdateLicensePoolRequest)
 if err := dec(in); err != nil {
  return nil, err
 }
 if interceptor == nil {
  return srv.(LicenseManagementServiceServer).UpdateLicensePool(ctx, in)
 }
 info := &grpc.UnaryServerInfo{
  Server:     srv,
  FullMethod: "/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/UpdateLicensePool",
 }
 handler
 := func(ctx context.Context, req interface{}) (interface{}, error) {
  return srv.(LicenseManagementServiceServer).UpdateLicensePool(ctx, req.(*UpdateLicensePoolRequest))
 }
 return interceptor(ctx, in, info, handler)
}

func _LicenseManagementService_Assign_Handler(srv interface{}, ctx context.Context, dec func(interface{})
error, interceptor grpc.UnaryServerInterceptor) (interface{}, error) {
 in := new(AssignRequest)
 if err := dec(in); err != nil {
  return nil, err
 }
 if interceptor == nil {
  return srv.(LicenseManagementServiceServer).Assign(ctx, in)
 }
 info := &grpc.UnaryServerInfo{
  Server:     srv,
  FullMethod: "/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/Assign",
 }
 handler := func(ctx context.Context, req interface{}) (interface{}, error) {
  return srv.(LicenseManagementServiceServer).Assign(ctx, req.(*AssignRequest))
 }
 return interceptor(ctx, in, info, handler)
}

func _LicenseManagementService_Unassign_Handler(srv
 interface{}, ctx context.Context, dec func(interface{}) error, interceptor grpc.UnaryServerInterceptor) (interface{},
error) {
 in := new(UnassignRequest)
 if err := dec(in); err != nil {
  return nil, err
 }
 if interceptor == nil {
  return srv.(LicenseManagementServiceServer).Unassign(ctx, in)
 }
 info := &grpc.UnaryServerInfo{
```

```
 Server:     srv,
 FullMethod: "/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/Unassign",
 }
 handler := func(ctx context.Context, req interface{}) (interface{}, error) {
  return srv.(LicenseManagementServiceServer).Unassign(ctx, req.(*UnassignRequest))
 }
 return interceptor(ctx, in, info, handler)
}

func _LicenseManagementService_EnumerateLicensedUsers_Handler(srv interface{}, ctx context.Context, dec
func(interface{}) error, interceptor grpc.UnaryServerInterceptor) (interface{}, error) {
 in := new(EnumerateLicensedUsersRequest)
 if err := dec(in); err != nil {
  return nil, err
 }
 if
 interceptor == nil {
  return srv.(LicenseManagementServiceServer).EnumerateLicensedUsers(ctx, in)
 }
 info := &grpc.UnaryServerInfo{
  Server:     srv,
  FullMethod:
"/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/EnumerateLicensedUsers",
 }
 handler := func(ctx context.Context, req interface{}) (interface{}, error) {
  return srv.(LicenseManagementServiceServer).EnumerateLicensedUsers(ctx,
req.(*EnumerateLicensedUsersRequest))
 }
 return interceptor(ctx, in, info, handler)
}

var _LicenseManagementService_serviceDesc = grpc.ServiceDesc{
 ServiceName: "google.cloud.commerce.consumer.procurement.v1.LicenseManagementService",
 HandlerType: (*LicenseManagementServiceServer)(nil),
 Methods: []grpc.MethodDesc{
  {
   MethodName: "GetLicensePool",
   Handler:    _LicenseManagementService_GetLicensePool_Handler,
  },
  {
   MethodName: "UpdateLicensePool",
   Handler:    _LicenseManagementService_UpdateLicensePool_Handler,
  },
  {
   MethodName: "Assign",
   Handler:
    _LicenseManagementService_Assign_Handler,
  },
```

```
 {
  MethodName: "Unassign",
  Handler:    _LicenseManagementService_Unassign_Handler,
 },
 {
  MethodName: "EnumerateLicensedUsers",
  Handler:    _LicenseManagementService_EnumerateLicensedUsers_Handler,
 },
},
Streams:  []grpc.StreamDesc{},
Metadata: "google/cloud/commerce/consumer/procurement/v1/license_management_service.proto",
}
```

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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
//  protoc-gen-go v1.35.2
```

```
//  protoc        v4.25.3
// source: google/ai/generativelanguage/v1beta/permission.proto

package generativelanguagepb

import (
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
)

const
 (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Defines types of the grantee of this permission.
type Permission_GranteeType int32

const (
 // The default value. This value is unused.
 Permission_GRANTEE_TYPE_UNSPECIFIED Permission_GranteeType = 0
 // Represents a user. When set, you must provide email_address for the user.
 Permission_USER Permission_GranteeType = 1
 // Represents a group. When set, you must provide email_address for the
 // group.
 Permission_GROUP Permission_GranteeType = 2
 // Represents access to everyone. No extra information is required.
 Permission_EVERYONE Permission_GranteeType = 3
)

// Enum value maps for Permission_GranteeType.
var (
 Permission_GranteeType_name = map[int32]string{
  0: "GRANTEE_TYPE_UNSPECIFIED",
  1: "USER",
  2:
 "GROUP",
  3: "EVERYONE",
 }
 Permission_GranteeType_value = map[string]int32{
  "GRANTEE_TYPE_UNSPECIFIED": 0,
```

```
  "USER":                    1,
  "GROUP":                   2,
  "EVERYONE":                3,
 }
)

func (x Permission_GranteeType) Enum() *Permission_GranteeType {
 p := new(Permission_GranteeType)
 *p = x
 return p
}

func (x Permission_GranteeType) String() string {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_GranteeType) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0].Descriptor()
}

func (Permission_GranteeType) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0]
}

func (x Permission_GranteeType) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_GranteeType.Descriptor instead.
func (Permission_GranteeType) EnumDescriptor() ([]byte,
 []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 0}
}

// Defines the role granted by this permission.
type Permission_Role int32

const (
 // The default value. This value is unused.
 Permission_ROLE_UNSPECIFIED Permission_Role = 0
 // Owner can use, update, share and delete the resource.
 Permission_OWNER Permission_Role = 1
 // Writer can use, update and share the resource.
 Permission_WRITER Permission_Role = 2
 // Reader can use the resource.
 Permission_READER Permission_Role = 3
)
```

```
// Enum value maps for Permission_Role.
var (
 Permission_Role_name = map[int32]string{
  0: "ROLE_UNSPECIFIED",
  1: "OWNER",
  2: "WRITER",
  3: "READER",
 }
 Permission_Role_value = map[string]int32{
  "ROLE_UNSPECIFIED": 0,
  "OWNER":            1,
  "WRITER":           2,
  "READER":           3,
 }
)

func (x Permission_Role) Enum() *Permission_Role {
 p := new(Permission_Role)
 *p = x
 return p
}

func (x Permission_Role) String() string {
 return
 protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_Role) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1].Descriptor()
}

func (Permission_Role) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1]
}

func (x Permission_Role) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_Role.Descriptor instead.
func (Permission_Role) EnumDescriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 1}
}

// Permission resource grants user, group or the rest of the world access to the
// PaLM API resource (e.g. a tuned model, corpus).
//
// A role is a collection of permitted operations that allows users to perform
```

```
// specific actions on PaLM API resources. To make them available to users,
// groups, or service accounts,
 you assign roles. When you assign a role, you
// grant permissions that the role contains.
//
// There are three concentric roles. Each role is a superset of the previous
// role's permitted operations:
//
// - reader can use the resource (e.g. tuned model, corpus) for inference
// - writer has reader's permissions and additionally can edit and share
// - owner has writer's permissions and additionally can delete
type Permission struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Output only. Identifier. The permission name. A unique name will be
 // generated on create. Examples:
 //
 // tunedModels/{tuned_model}/permissions/{permission}
 // corpora/{corpus}/permissions/{permission}
 //
 // Output only.
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Optional. Immutable. The type of the grantee.
 GranteeType *Permission_GranteeType
`protobuf:"varint,2,opt,name=grantee_type,json=granteeType,proto3,enum=google.ai.generativelanguage.v1beta.Pe
rmission_GranteeType,oneof"
 json:"grantee_type,omitempty"`
 // Optional. Immutable. The email address of the user of group which this
 // permission refers. Field is not set when permission's grantee type is
 // EVERYONE.
 EmailAddress *string `protobuf:"bytes,3,opt,name=email_address,json=emailAddress,proto3,oneof"
json:"email_address,omitempty"`
 // Required. The role granted by this permission.
 Role *Permission_Role
`protobuf:"varint,4,opt,name=role,proto3,enum=google.ai.generativelanguage.v1beta.Permission_Role,oneof"
json:"role,omitempty"`
}

func (x *Permission) Reset() {
 *x = Permission{}
 mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *Permission) String() string {
```

```
 return protoimpl.X.MessageStringOf(x)
}

func (*Permission) ProtoMessage() {}

func (x *Permission) ProtoReflect() protoreflect.Message
 {
 mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use Permission.ProtoReflect.Descriptor instead.
func (*Permission) Descriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0}
}

func (x *Permission) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *Permission) GetGranteeType() Permission_GranteeType {
 if x != nil && x.GranteeType != nil {
  return *x.GranteeType
 }
 return Permission_GRANTEE_TYPE_UNSPECIFIED
}

func (x *Permission) GetEmailAddress() string {
 if x != nil && x.EmailAddress != nil {
  return *x.EmailAddress
 }
 return ""
}

func (x *Permission) GetRole() Permission_Role {
 if x != nil && x.Role != nil {
  return *x.Role
 }
```

```
 return Permission_ROLE_UNSPECIFIED
}

var
 File_google_ai_generativelanguage_v1beta_permission_proto protoreflect.FileDescriptor

var file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = []byte{
 0x0a, 0x34, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x23, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x1a, 0x1f, 0x67, 0x6f, 0x6f,
 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x62, 0x65,
 0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a, 0x19, 0x67, 0x6f,
 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69,
 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75, 0x72, 0x63,
 0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0x85, 0x05, 0x0a, 0x0a, 0x50, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x1a, 0x0a, 0x04, 0x6e, 0x61, 0x6d, 0x65, 0x18, 0x01,
 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x03, 0xe0, 0x41, 0x08, 0x52, 0x04, 0x6e, 0x61,
 0x6d, 0x65, 0x12, 0x6b, 0x0a, 0x0c, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f, 0x74, 0x79,
 0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0e, 0x32, 0x3b, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c,
 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65,
 0x65, 0x54, 0x79, 0x70, 0x65, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x00, 0x52,
 0x0b, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x88,
 0x01, 0x01, 0x12,
 0x30, 0x0a, 0x0d, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73,
 0x18, 0x03, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x01,
 0x52, 0x0c, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x41, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73, 0x88, 0x01,
 0x01, 0x12, 0x52, 0x0a, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x18, 0x04, 0x20, 0x01, 0x28, 0x0e, 0x32,
 0x34, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x52, 0x6f, 0x6c, 0x65, 0x42, 0x03, 0xe0, 0x41, 0x02, 0x48, 0x02, 0x52, 0x04, 0x72, 0x6f,
 0x6c, 0x65, 0x88, 0x01, 0x01, 0x22, 0x4e, 0x0a, 0x0b, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65,
 0x54, 0x79, 0x70, 0x65, 0x12, 0x1c, 0x0a, 0x18, 0x47, 0x52, 0x41, 0x4e, 0x54, 0x45, 0x45, 0x5f,
 0x54,
 0x59, 0x50, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45, 0x44,
 0x10, 0x00, 0x12, 0x08, 0x0a, 0x04, 0x55, 0x53, 0x45, 0x52, 0x10, 0x01, 0x12, 0x09, 0x0a, 0x05,
 0x47, 0x52, 0x4f, 0x55, 0x50, 0x10, 0x02, 0x12, 0x0c, 0x0a, 0x08, 0x45, 0x56, 0x45, 0x52, 0x59,
 0x4f, 0x4e, 0x45, 0x10, 0x03, 0x22, 0x3f, 0x0a, 0x04, 0x52, 0x6f, 0x6c, 0x65, 0x12, 0x14, 0x0a,
 0x10, 0x52, 0x4f, 0x4c, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45,
 0x44, 0x10, 0x00, 0x12, 0x09, 0x0a, 0x05, 0x4f, 0x57, 0x4e, 0x45, 0x52, 0x10, 0x01, 0x12, 0x0a,
 0x0a, 0x06, 0x57, 0x52, 0x49, 0x54, 0x45, 0x52, 0x10, 0x02, 0x12, 0x0a, 0x0a, 0x06, 0x52, 0x45,
 0x41, 0x44, 0x45, 0x52, 0x10, 0x03, 0x3a, 0xaa, 0x01, 0xea, 0x41, 0xa6, 0x01, 0x0a, 0x2c, 0x67,
 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67,
```

```
 0x65, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73, 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x50, 0x65, 0x72, 0x6d, 0x69,
 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x32, 0x74, 0x75, 0x6e,
 0x65, 0x64, 0x4d, 0x6f, 0x64, 0x65, 0x6c, 0x73, 0x2f, 0x7b, 0x74, 0x75, 0x6e, 0x65, 0x64, 0x5f,
 0x6d, 0x6f, 0x64, 0x65, 0x6c, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f,
 0x6e, 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x12,
 0x29, 0x63, 0x6f, 0x72, 0x70, 0x6f, 0x72, 0x61, 0x2f, 0x7b, 0x63, 0x6f, 0x72, 0x70, 0x75, 0x73,
 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x2f, 0x7b, 0x70,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x2a, 0x0b, 0x70, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x32, 0x0a, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73,
 0x69, 0x6f, 0x6e, 0x42, 0x0f, 0x0a, 0x0d, 0x5f, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f,
 0x74, 0x79, 0x70, 0x65, 0x42, 0x10, 0x0a, 0x0e, 0x5f, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61,
 0x64, 0x64, 0x72, 0x65, 0x73, 0x73, 0x42, 0x07, 0x0a, 0x05, 0x5f,
 0x72, 0x6f, 0x6c, 0x65, 0x42,
 0x9b, 0x01, 0x0a, 0x27, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x42, 0x0f, 0x50, 0x65, 0x72,
 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x50, 0x01, 0x5a, 0x5d,
 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x67, 0x6f, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76,
 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x76, 0x31, 0x62,
 0x65, 0x74, 0x61, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61,
 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x3b, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74,
 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x62, 0x06, 0x70,
 0x72,
 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce sync.Once
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc
)

func file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP() []byte {
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce.Do(func() {
  file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData)
 })
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData
}

var file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes = make([]protoimpl.EnumInfo, 2)
var file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes = make([]protoimpl.MessageInfo, 1)
var file_google_ai_generativelanguage_v1beta_permission_proto_goTypes = []any{
 (Permission_GranteeType)(0),
 // 0: google.ai.generativelanguage.v1beta.Permission.GranteeType
 (Permission_Role)(0),        // 1: google.ai.generativelanguage.v1beta.Permission.Role
```

```
 (*Permission)(nil),          // 2: google.ai.generativelanguage.v1beta.Permission
}
var file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = []int32{
 0, // 0: google.ai.generativelanguage.v1beta.Permission.grantee_type:type_name ->
google.ai.generativelanguage.v1beta.Permission.GranteeType
 1, // 1: google.ai.generativelanguage.v1beta.Permission.role:type_name ->
google.ai.generativelanguage.v1beta.Permission.Role
 2, // [2:2] is the sub-list for method output_type
 2, // [2:2] is the sub-list for method input_type
 2, // [2:2] is the sub-list for extension type_name
 2, // [2:2] is the sub-list for extension extendee
 0, // [0:2] is the sub-list for field type_name
}

func init() { file_google_ai_generativelanguage_v1beta_permission_proto_init() }
func file_google_ai_generativelanguage_v1beta_permission_proto_init()
 {
 if File_google_ai_generativelanguage_v1beta_permission_proto != nil {
  return
 }
 file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].OneofWrappers = []any{}
 type x struct{}
 out := protoimpl.TypeBuilder{
  File: protoimpl.DescBuilder{
   GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
   RawDescriptor: file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc,
   NumEnums:      2,
   NumMessages:   1,
   NumExtensions: 0,
   NumServices:   0,
  },
  GoTypes:           file_google_ai_generativelanguage_v1beta_permission_proto_goTypes,
  DependencyIndexes: file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs,
  EnumInfos:         file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes,
  MessageInfos:      file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes,
 }.Build()
 File_google_ai_generativelanguage_v1beta_permission_proto = out.File
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_goTypes
 = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = nil
}
```

1.7405 terraform-svchost 0.1.0

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1.7409 sphinx 7.2.6-6

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1.7410 distro-info 1.7+build1

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1.7411 grpc-go 1.69.4

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1.7412 xz-dev 5.6.3-r0

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1.7413 libxml2-dev 2.13.4-r3

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1.7415 jooq 3.18.14

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/**
* A very simple CSV parser released under a commercial-friendly license. This
* just implements splitting a single line into fields.
*
* @author Glen Smith

* @author Rainer Pruy
*/

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* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/tools/csv/CSVParser.java
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*
 /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/tools/json/JSONArray.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/tools/json/JSONValue.java
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* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/tools/reflect/Compile.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/tools/reflect/Reflect.java
*
 /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/tools/reflect/CompileOptions.java
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```
public DomainConstraint withConstraintCatalog(String value) {
public DomainConstraint withConstraintSchema(String value) {
public DomainConstraint withConstraintName(String value) {
public DomainConstraint withDomainCatalog(String value) {
public DomainConstraint withDomainSchema(String value) {
public DomainConstraint withDomainName(String value) {
```

Found in path(s):
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/util/xml/jaxb/DomainConstraint.java

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*/
/**
   * Clean up blobs, clobs and the local configuration.
   * <p>
   * <h5>BLOBS and CLOBS</h5>
   * <p>
   * [#1326] This is necessary in those dialects that have long-lived
   * temporary lob objects, which can cause memory leaks in certain contexts,
   * where the lobs' underlying session / connection is long-lived as well.
   * Specifically, Oracle and ojdbc have some trouble when streaming temporary
```

```
   * lobs to UDTs:
   * <ol>
   * <li>The lob cannot have a call-scoped life time with UDTs</li>
   * <li>Freeing the lob after binding will cause an ORA-22275</li>
   * <li>Not freeing the lob after execution will cause an
   * {@link OutOfMemoryError}</li>
   * </ol>
   * <p>
   * <h5>Local configuration</h5>
   * <p>
   * [#1544] There exist some corner-cases regarding the {@link SQLOutput}
   * API, used for UDT serialisation / deserialisation, which have no elegant
   * solutions of obtaining a {@link
 Configuration} and thus a JDBC
   * {@link Connection} object short of:
   * <ul>
   * <li>Making assumptions about the JDBC driver and using proprietary API,
   * e.g. that of ojdbc</li>
   * <li>Dealing with this problem globally by using such a local
   * configuration</li>
   * </ul>
   *
   * @see <a
   *     href="http://stackoverflow.com/q/11439543/521799">http://stackoverflow.com/q/11439543/521799</a>
   */
```

Found in path(s):
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/DefaultExecuteContext.java
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Found in path(s):
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/META-INF/maven/org.jooq/jooq/pom.xml
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```
public Domain withDomainCatalog(String value) {
public Domain withDomainSchema(String value) {
public Domain withDomainName(String value) {
public Domain withDataType(String value) {
public Domain withCharacterMaximumLength(Integer value) {
public Domain withNumericPrecision(Integer value) {
public Domain withNumericScale(Integer value) {
public Domain withDomainDefault(String value) {
```

Found in path(s):

* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/util/xml/jaxb/Domain.java
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public DomainConstraint createDomainConstraint() {
public Domain createDomain() {

Found in path(s):
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/util/xml/jaxb/ObjectFactory.java
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* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/types/UShort.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/types/UNumber.java
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 /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/types/UInteger.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/types/ULong.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/types/Unsigned.java
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/**
* This package contains parts of JSON Simple.
* <p>
* jOOQ has no external dependencies. Nevertheless, some libraries that are
* compatible with jOOQ's Apache License 2.0 are embedded into jOOQ. See the
* JSON Simple website for more details about JSON Simple:
* <p>
* <a href=
* "http://code.google.com/p/json-simple/">http://code.google.com/p/json-simple/
*/

Found in path(s):
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/tools/json/package-info.java
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*
*

```
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*/
/**
   * Create a "plain SQL" field.
   * <p>
   * A plain SQL field is a field that can contain user-defined plain SQL,
   * because sometimes it is easier to express things directly in SQL, for
   * instance complex proprietary functions. There must not be any binding
   * variables contained in the SQL.
   * <p>
   * Example:
   * <p>
   *
   * <pre>
   * <code>
   * String sql = "DECODE(MY_FIELD, 1, 100, 200)";
   * </code>
   * </pre>
   * <p>
   * <b>NOTE</b>: A lot of things work less well in jOOQ if no
   * {@link DataType} information is attached to a {@link Field} expression,
   * including:
   * <ul>
   * <li>Some drivers may find it hard to bind <code>NULL</code> values.</li>
   * <li>Some RDBMS may find it hard to infer a type from an expression
   * alone.</li>
   * <li>User defined types may not be supported.</li>
   * <li>You don't get compile time type safety.</li>
   * </ul>

   * It is usually better to use {@link DSL#field(SQL, DataType)}, instead, or
   * even better, use code generation where possible: <a href=
   * "https://blog.jooq.org/why-you-should-use-jooq-with-code-generation/">https://blog.jooq.org/why-you-should-use-jooq-with-code-generation/</a>,
   * in case of which {@link DataType} information is attached to all
```

```
   * {@link Field} expressions automatically.
   * <p>
   * <b>NOTE</b>: When inserting plain SQL into jOOQ objects, you must
   * guarantee syntax integrity. You may also create the possibility of
   * malicious SQL injection. Be sure to properly use bind variables and/or
   * escape literals when concatenated into SQL clauses!
   *
   * @param sql The SQL
   * @return A field wrapping the plain SQL
   * @see SQL
   */
/**
   * Create a "plain SQL" field.
   * <p>
   * A plain SQL field is a field that can contain user-defined plain SQL,
   * because sometimes it is easier to express things directly
 in SQL, for
   * instance complex proprietary functions. There must be as many binding
   * variables contained in the SQL, as passed in the bindings parameter
   * <p>
   * Example:
   * <p>
   *
   * <pre>
   * <code>
   * String sql = "DECODE(MY_FIELD, ?, ?, ?)";
   * Object[] bindings = new Object[] { 1, 100, 200 };</code>
   * </pre>
   * <p>
   * <b>NOTE</b>: A lot of things work less well in jOOQ if no
   * {@link DataType} information is attached to a {@link Field} expression,
   * including:
   * <ul>
   * <li>Some drivers may find it hard to bind <code>NULL</code> values.</li>
   * <li>Some RDBMS may find it hard to infer a type from an expression
   * alone.</li>
   * <li>User defined types may not be supported.</li>
   * <li>You don't get compile time type safety.</li>
   * </ul>
   * It is usually better to use {@link DSL#field(String, DataType, Object...)}, instead,
   * or even better, use code generation where possible:
 <a href=
   * "https://blog.jooq.org/why-you-should-use-jooq-with-code-generation/">https://blog.jooq.org/why-you-should-
use-jooq-with-code-generation/</a>,
   * in case of which {@link DataType} information is attached to all
   * {@link Field} expressions automatically.
   * <p>
   * <b>NOTE</b>: When inserting plain SQL into jOOQ objects, you must
```

```
   * guarantee syntax integrity. You may also create the possibility of
   * malicious SQL injection. Be sure to properly use bind variables and/or
   * escape literals when concatenated into SQL clauses!
   *
   * @param sql The SQL
   * @param bindings The bindings for the field
   * @return A field wrapping the plain SQL
   * @see SQL
   * @see DSL#sql(String, Object...)
   */
```

Found in path(s):
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/DSL.java
No license file was found, but licenses were detected in source scan.

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```

```
*
*
*
*/
/**
   * Get a set of supported dialect versions and predecessors given a dialect
   * version.
   * <p>
   * The resulting set of dialects contain all the families and dialect
   * versions that precede the argument dialect, including the argument
   * dialect.
   */
```

Found in path(s):
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/SQLDialect.java
No license file was found, but licenses were detected in source scan.

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*/

Found in path(s):
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/Tools.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/SelectSeekStep15.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/RecordImplN.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/StTouches.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/DMLQuery.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/ContextTransactionalRunnable.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/Rand.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/tools/jdbc/MockFileDatabaseConfiguration.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/WindowOverStep.java
*
 /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/Parameter.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/Row17.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/DefaultBindingSetSQLOutputContext.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/SelectWithTiesStep.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/ParseListenerProvider.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/JSONTableColumnsStep.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/BitOrAgg.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/ConstraintForeignKeyReferencesStep9.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/Row3.java
*
 /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/TypedReference.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/SQLDialectCategory.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/Call.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/AbstractTypedNamed.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/DefaultMetaProvider.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-

jar/org/jooq/impl/DefaultRecordListenerProvider.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/Prior.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-
jar/org/jooq/ConstraintForeignKeyReferencesStep19.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-
jar/org/jooq/impl/AbstractDDLQuery.java
*
/opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-
jar/org/jooq/impl/ScopeMappable.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-
jar/org/jooq/impl/Comparators.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-
jar/org/jooq/impl/SequenceImpl.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-
jar/org/jooq/MergeOnConditionStep.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-
jar/org/jooq/impl/AbstractResult.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/GrantImpl.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/Record2.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-
jar/org/jooq/MergeValuesStep21.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/Operator.java
*
/opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/AlterTypeStep.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-
jar/org/jooq/impl/DefaultAggregateFunction.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-
jar/org/jooq/impl/ConvertDateTime.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/Constants.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-
jar/org/jooq/InsertValuesStep21.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/Pi.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-
jar/org/jooq/WindowSpecificationOrderByStep.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/XMLExists.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-
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jar/org/jooq/impl/TableMetaProvider.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-
jar/org/jooq/impl/EmptyGroupingSet.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/Min.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-
jar/org/jooq/TransactionalRunnable.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-
jar/org/jooq/exception/DataChangedException.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-

jar/org/jooq/MergeNotMatchedValuesStep19.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/SelectForUpdateOfStep.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/Uuid.java
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/opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/WindowPartitionByStep.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/Record3.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/BetweenAndStep9.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/SourceMetaProvider.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/FilteredMeta.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/BindingGetSQLInputContext.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/util/cubrid/CUBRIDDataType.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/RowIdImpl.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/LeQuantified.java
*
/opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/ArrayAgg.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/RowLe.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/Greatest.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/MergeValuesStepN.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/LinkedTable.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/DerivedColumnList20.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/ArrayAppend.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/BitNorAgg.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/Identifiers.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/CreateTableOnCommitStep.java
*
/opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/Cast.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/ArrayGet.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/AbstractExecuteScope.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/Functions.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/MergeNotMatchedValuesStep11.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/WithAsStep2.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/LoaderRowsStep.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/Level.java

* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/AbstractBatch.java
*
 /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/DefaultCloseableConnectionProvider.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/TXTFormat.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/GtQuantified.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/RecordImpl18.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/XMLDocument.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/Name.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/AbstractLazyScope.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/Formattable.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/JSONBSet.java
*
 /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/LazyCatalog.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/DefaultExecuteListenerProvider.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/WithAsStep5.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/DefaultTransactionListener.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/JoinTable.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/XMLTableColumnsStep.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/Field.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/MergeKeyStep3.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/Row1.java
*
 /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/exception/LoaderConfigurationException.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/RecordMapperProvider.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/Record12.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/BetweenAndStepR.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/Names.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/DropTypeImpl.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/InsertOnConflictWhereStep.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/Iif.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/ThreadGuard.java
*

/opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/DDLStatementType.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/Spatial.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/Record7.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/SQLTable.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/MergeNotMatchedSetMoreStep.java
* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/impl/Shr.java
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*/
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```

*
* @author Glen Smith
*/

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* /opt/cola/permits/2317975555_1737027383.3530197/0/jooq-3-18-14-sources-2-jar/org/jooq/tools/csv/CSVReader.java
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/**
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1.7420 x-term 0.28.0

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1.7424 go-cty 1.16.0

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1.7426 jackson-jr-objects 2.17.2

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Version 2.1, February 1999

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[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

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former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or

collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this

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Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables
containing that work also fall under Section 6,
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6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable
source code for the Library including whatever
changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the

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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
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You should also
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school, if any, to sign a "copyright disclaimer" for the library, if
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library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
Contributors to the EditorConfig Vim Plugin:

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uganda.txt For Vim version 9.1. Last change: 2024 Aug 14

VIM REFERENCE MANUAL by Bram Moolenaar

uganda *Uganda* *copying* *copyright* *license*
SUMMARY
iccf *ICCF*
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encouraged to make a donation for needy children in Uganda. Please see |kcc|
below or visit the ICCF web site, available at these URLs:

https://iccf-holland.org/
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=== begin of license ===

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1) This license text must be included unmodified.
2) The modified Vim must be distributed in one of the following five ways:
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The current maintainers are listed here: https://github.com/orgs/vim/people.
If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.
b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.
c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from

making
their own changes to the official version of Vim.

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- The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.
- You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.
- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.

e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or any later version.

3) A message must be added, at least in the output of the ":version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned under 2)e) adding the message is only required for as far as this does not conflict with the license used for the changes.

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III) If you distribute a modified version of Vim, you are encouraged to use the Vim license for your changes and make them available to the maintainer, including the source code. The preferred way to do this is by e-mail or by uploading the files to a server and e-mailing the URL.

If the number of changes is small (e.g., a modified Makefile) e-mailing a context diff will do. The e-mail address to be used is <maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this license for previous Vim releases instead of the license that they came with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a |sponsor|. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

==========

Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there usually is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that in the past 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. Although AIDS is now mostly under control, the problems are still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to

prevent people from getting ill and to teach them how to grow healthy food.

Most of the
orphans are living in an extended family. An uncle or older
sister is taking care of them. Because these families are big and the income
(if any) is low, a child is lucky if it gets healthy food. Clothes, medical
care and schooling is beyond its reach. To help these needy children, a
sponsorship program was put into place. A child can be financially adopted.
For a few dollars a month KCC sees to it that the child gets indispensable
items, is healthy, goes to school and KCC takes care of anything else that
needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up
needs to be improved. KCC helps schools to improve their teaching methods.
There is a demonstration school at the centre and teacher trainings are given.
Health workers are being trained, hygiene education is carried out and
households are stimulated to build a proper latrine. I helped setting up a
production site for cement slabs. These
are used to build a good latrine.
They are sold below cost price.

There is a clinic at the project, which provides children and their family
medical help. Since 2020 a maternity ward was added and 24/7 service is
available. When needed, transport to a hospital is offered. Immunization
programs are carried out and help is provided when an epidemic is breaking out
(measles and cholera have been a problem).
donate
Summer 1994 to summer 1995 I spent a whole year at the centre, working as a
volunteer. I have helped to expand the centre and worked in the area of water
and sanitation. I learned that the help that the KCC provides really helps.
When I came back to Holland, I wanted to continue supporting KCC. To do this
I'm raising funds and organizing the sponsorship program. Please consider one
of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic:
Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are
very low. This is because the money goes directly to the centre. Less than
5% is used for administration. This is possible because this is a small
organization that works with volunteers. If you would like to sponsor a
child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my
personal guarantee as the author of Vim. I trust the people that are working

at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have
any further questions, send e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money: *iccf-donations*

Check the ICCF web site for the latest information! See |iccf| for the URL.

USA: The methods mentioned below can be used.
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1.7430 vim 9.1.0724-2.ph4

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Vim Installer and Archives (Win32 and Win64)

This is a project for building Nightly and Stable Vim Windows build snapshots
automatically ([more information](https://vim.fandom.com/wiki/Where_to_download_Vim)).

[Download](https://github.com/vim/vim-win32-installer/releases/latest) and execute the
most recent `gvim_x.y.pppp_x86.exe` file to install Vim (where `x.y` is the
release version and `pppp` is the patch number). The exe files contain the
(32bit) installer while
the .zip files contain an archive of the 32bit (`_x86`)
or 64bit versions (`_x64`). To install it, extract the archive and update your
PATH variable. The installer will do that automatically and provide some
additional extensions (e.g. Edit with Vim menu).
The `gvim...pdb.zip` file only contains the corresponding pdb files for debugging the binaries.

If you need a dynamic interface to Perl, Python2, Python3, Ruby, ~~TCL,~~ Lua or
Racket/MzScheme, make sure you also install the following. Vim will work
without it, but some Plugin might need this additional dependency. (e.g.
[Gundo](https://github.com/sjl/gundo.vim) needs a working Python2 installation,

[Command-T](https://github.com/wincent/command-t) needs a working Ruby installation and [Neocomplete](https://github.com/Shougo/neocomplete.vim) needs a working Lua installation). This means, those interpreters have to be installed in addition to Vim. Without it Vim won't be able to use that feature! You can find those interperters here:

* [Strawberry Perl](http://strawberryperl.com/) 5.32
* ~~[ActiveTcl](http://www.activestate.com/activetcl/downloads) 8.6.6~~ (currently disabled)
* [LuaBinaries](http://luabinaries.sourceforge.net/download.html) 5.4
* [Python](https://www.python.org/downloads/) 2.7
* [Python 3](https://www.python.org/downloads/) 3.8 or later
* [Racket](https://download.racket-lang.org/) 8.7 (BC)
* [RubyInstaller](http://rubyinstaller.org/downloads/) 3.2

Make sure that you install the same architecture (32bit/64bit) for those libraries that matches your Vim installation.

For Python 3, Vim is compiled against Python 3.12 using [Stable ABI](https://docs.python.org/3.12/c-api/stable.html), and this allows you to use Python 3.8 or any later version. See also `:help python3-stable-abi`.

Additionally the binaries include the new terminal feature for Vim and therefore contain the winpty.dll (32bit or 64bit) and the winpty-agent.exe from the [winpty repository](https://github.com/rprichard/winpty). This feature is currently considered experimental. Read the help at [:h terminal.txt](http://vimhelp.appspot.com/terminal.txt.html) for more information.

For supporting better encryption, it comes with the libsodium.dll from the [libsodium repository](https://github.com/jedisct1/libsodium/releases/1.0.19-RELEASE) See the help at [:h 'cryptmethod'](https://vimhelp.org/options.txt.html#%27cryptmethod%27) for more details.

Note: The zip archive might be considered unsecure in Windows, causing Windows to display a dialog box "These files might be harmful to your computer...". If you want to disable this warning, you need to "unblock" the zip file. Do that in the properties dialog of the zip file, first tab General and look for the security section and click on "Unblock". However using a signed release might prevent that behaviour in Windows eventually (see also next paragraph).

See: [Vim Repository](https://github.com/vim/vim) for the Vim source.

Custom Patches

Note: If you want to test some patches, place them in the patch directory with the extension `.patch`. They will be applied before building Vim and the binary will then be tested against the test suite.

Signed Builds
Creating a signed binary and installer still requires manual effort, therefore
not every release will be signed. They will be provided on a best effort basis
occasionaly. If there haven't been any signed
releases for a long time, feel free to request a new one by creating an
[issue](https://github.com/vim/vim-win32-installer/issues) here.

Thanks to [SignPath.io](https://signpath.io?utm_source=foundation&utm_medium=github&utm_campaign=vim)
for providing a free code signing service and to the [SignPath
Foundation](https://signpath.org?utm_source=foundation&utm_medium=github&utm_campaign=vim) for a free
code signing certificate to sign the builds.

Winget
The nightly builds will be automatically uploaded and submitted to the [winget
repository](https://github.com/microsoft/winget-pkgs/).
So you can use the
[winget](https://docs.microsoft.com/en-us/windows/package-manager/winget/)
command line tool to update your vim installation and do not have to download
and install new releases manually.

This is only done for the unsigned builds, because the signed builds currently
still require some manual steps to complete.

There will be 2 different types of Releases submitted to the winget Repository:

1) `vim.vim.nightly` Releases
Every build will be uploaded to the winget package repository as
`vim.vim.nightly` (nightly) build. You need to search for `vim.vim.nightly`.

2) `vim.vim` (stable) Releases
In addition, approximately every 100 releases, a new stable release will be
uploaded to the winget repository using the 'vim.vim' identifier. This should
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to all the build
scripts in this repository. Note, that Vim is included as a submodule and comes
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Found in path(s):
* /opt/cola/permits/2321149928_1737536780.9507039/0/vim-win32-installer-9-1-0724-1-zip/vim-win32-installer-

9.1.0724/README.md

1.7431 lua-cjson 2.1.0

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1.7432 busybox 1.37.0-r12

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Julian Seward, Cambridge, UK.
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1.7433 ssl-client 1.37.0-r12

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```
# Automatically generated by apkbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
maintainer="Celeste <cielesti@protonmail.com>"
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=10
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

build() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
  INSTALLDIRS=vendor \
  NO_PACKLIST=1 \
  NO_PERLLOCAL=1
 make
}

check() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 make test
}

package() {
```

```
 make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"
```

bzip2 applet in busybox is based on lightly-modified source
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jseward@bzip.org
bzip2/libbzip2 version 1.0.4 of 20 December 2006
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```
# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=2
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz
 0001-bsd-games-scores-dir.patch
 "
```

```
options="!check" # no tests

build() {
 # some GNU autoconf options are ignored, but it works
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr \
  --sysconfdir=/etc \
  --mandir=/usr/share/man \
  --scoredir=/usr/share/$pkgname
 make
}

package() {
 make DESTDIR="$pkgdir" install
 install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}

sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
  bsd-games-3.3.tar.gz
e1def0d4835a877242c4173fae862e278a7858738e0bacacbb045a42bcabec2aa7c72d000bbd2421ce35fe66cdc1f52c0
577b7e278029ca5ed50f7aab22319f6  0001-bsd-games-scores-dir.patch
"
```

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http://www.mp3.com/silicon39
https://analoguesque.x10host.com/

```
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
 "

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
 update_config_sub
 default_prepare
}

build() {
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
 make
}
```

```
package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
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pkgname=spdx-licenses
pkgver=3.26.0
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"
```

```
for type in $_types; do
 subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
 mkdir -p "$pkgdir"
}

_subpkg() {
 local type=${subpkgname/$pkgname-/}
 pkgdesc="$pkgdesc ($type)"
 install_if="$pkgname=$pkgver-r$pkgrel"
 mkdir -p "$subpkgdir"/usr/share/spdx
 cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
 pkgdesc="$pkgdesc (licence list)"
 mkdir -p "$subpkgdir"/usr/share/spdx
 local i; for i in "$builddir"/text/*.txt;
 do
  local license=${i##*/}
  echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
 done
}

sha512sums="
67e618d4642dfe4f366935d9514d6f7941d3711e77c49bc1b340ac572d36015981b8f10c72a9f80f1d83e132ae7e5093c
0155e0c0e786e4777ee16d1cb7b885a  license-list-data-3.26.0.tar.gz
"
# Contributor: Patrycja Rosa <alpine@ptrcnull.me>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
 cdefs.h
 queue.h
 tree.h
"
builddir="$srcdir"
options="!check" # just headers
```

```
package() {
 mkdir -p "$pkgdir"
 install -Dm644 -t "$pkgdir"/usr/include/sys \
  cdefs.h queue.h tree.h
}
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178  cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750  queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3  tree.h
"
```

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The Kohonen neural network code for color optimization was written by Anthony Dekker.

Parts Copyright (c) 1995 by C. Blanc and C. Schlick
The X-Spline code was written Carole Blanc (blanc@labri.u-bordeaux.fr) and Christophe Schlick (schlick@labri.u-bordeaux.fr) starting from an initial implementation done by C. Feuille, S. Grosbois, L. Maziere and L. Minihot as a student practice (Universite Bordeaux, France). For additional information about X-splines, see:
"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95
http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html

```
# Contributor: Dhruvin Gandhi <contact@dhru.vin>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license_expression
pkgver=30.4.1
pkgrel=0
```

```
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir/$_pkgname-$pkgver"

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

check() {
 python3 -m venv --clear --without-pip --system-site-packages .testenv
 .testenv/bin/python3 -m installer .dist/*.whl
 .testenv/bin/python3 -m pytest
}

package() {
 python3 -m installer -d "$pkgdir" \
  .dist/*.whl
}

sha512sums="
114c630f098939757e49187e35b4e54883266a2ee9ca283724992420ef4c860f9606a8342da0ab74d93627c10805f312
fda3f699cbc7c4fbd47a71e220440fb0
  license_expression-30.4.1.tar.gz
"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
```

```
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright"                  # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

package() {
 gpep517 install-wheel --destdir "$pkgdir" \
  .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
  flake8-copyright-0.2.4.tar.gz
"
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
 default_prepare

 cargo fetch --target="$CTARGET" --locked
}

build() {
 cargo auditable build --release --frozen
}

check() {
 cargo test --frozen
}

package() {
 install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
```

}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00272d796ac634f0a5e1d49232b6b29d5 cargo-license-0.6.1.tar.gz
"

1.7434 yang-parser-spi 13.0.7

1.7434.1 Available under license :

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* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/CopyHistory.java
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* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/ParserNamespaces.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/SchemaTreeNamespaceBehaviour.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/NamespaceBehaviours.java
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* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/ParserNamespace.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/AbstractUnqualifiedStatementSupport.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/BoundStmtCtx.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/CommonStmtCtx.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/AbstractStatementSupport.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/AbstractEmptyStatementSupport.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/AbstractQNameStatementSupport.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/AbstractSchemaTreeStatementSupport.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/RootStmtContext.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/NamespaceStmtCtx.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/AbstractInternedStatementSupport.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/module-info.java

* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/EffectiveStmtCtx.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/AbstractStringStatementSupport.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/AbstractBooleanStatementSupport.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/StmtContextCompat.java
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* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/validation/package-info.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/package-info.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/source/package-info.java
*
 /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/MutableStatement.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/package-info.java
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* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/OnDemandSchemaTreeStorage.java
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* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/source/StatementStreamSource.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/source/SourceException.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/NamespaceNotAvailableException.java
*
 /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/ModelProcessingPhase.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-

jar/org/opendaylight/yangtools/yang/parser/spi/validation/ValidationBundles.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/source/QNameToStatementDefinitionMap.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/StatementDefinitions.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/InvalidSubstatementException.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/StatementSupport.java
*
 /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/ModelActionBuilder.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/NamespaceBehaviour.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/MissingSubstatementException.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/StatementFactory.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/source/QNameToStatementDefinition.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/StatementSupportBundle.java
*
 /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/InferenceException.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/SubstatementValidator.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/ReactorException.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/source/StatementWriter.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/SomeModifiersUnresolvedException.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/StmtContextUtils.java
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*/

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* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/OverrideChildStatementSupport.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/EffectiveStatementState.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/UndeclaredStatementFactory.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/source/YangVersionLinkageException.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/QNameWithFlagsEffectiveStatementState.java
* /opt/cola/permits/2321874408_1737311322.4383671/0/yang-parser-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/spi/meta/AbstractInternedStringStatementSupport.java

1.7435 pax-web-compatibility-servlet31 8.0.27

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Found in path(s):
* /opt/cola/permits/2321874787_1747755026.9888306/0/pax-web-compatibility-servlet31-8-0-27-jar/META-INF/maven/org.ops4j.pax.web/pax-web-compatibility-servlet31/pom.xml
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Manifest-Version: 1.0
Bnd-LastModified: 1711351096299
Build-Jdk-Spec: 1.8
Bundle-Description: Pax Web - OPS4J implementation of OSGi HTTP servic
e and OSGi HTTP Whiteboard service
Bundle-DocURL: http://www.ops4j.org/
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.html
Bundle-ManifestVersion: 2
Bundle-Name: OPS4J Pax Web - Servlet API 3.1 compatibility
Bundle-SymbolicName: org.ops4j.pax.web.pax-web-compatibility-servlet31
Bundle-Vendor: OPS4J - Open Participation Software for Java
Bundle-Version: 8.0.27
Created-By: Apache Maven Bundle Plugin 5.1.9
Export-Package: javax.servlet;version="3.1.0";uses:="javax.servlet.ann
otation,javax.servlet.descriptor",javax.servlet;version="2.6";uses:="
javax.servlet.annotation,javax.servlet.descriptor",javax.servlet.anno
tation;version="3.1.0";uses:="javax.servlet",javax.servlet.annotation
;version="2.6";uses:="javax.servlet",javax.servlet.http;version="3.1.
0";uses:="javax.servlet",javax.servlet.http;version="2.6";uses:="java
 x.servlet",javax.servlet.descriptor;version="3.1.0",javax.servlet.des
criptor;version="2.6"
Fragment-Host: jakarta.servlet-api
Provide-Capability: osgi.contract;osgi.contract=JavaServlet;uses:="jav
ax.servlet,javax.servlet.http,javax.servlet.descriptor,javax.servlet.
annotation";version:List<Version>="4.0,3.1,3.0,2.6"
Tool: Bnd-6.3.1.202206071316

Found in path(s):
* /opt/cola/permits/2321874787_1747755026.9888306/0/pax-web-compatibility-servlet31-8-0-27-jar/META-

INF/MANIFEST.MF

1.7436 apache-karaf-package-core 4.4.6

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1.7437 tomcat 8.0.27

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* /opt/cola/permits/2321874595_1737311316.6852076/0/war-limited-post-fragment-tomcat-8-0-27-sources-jar/META-INF/maven/org.ops4j.pax.web.samples/war-limited-post-fragment-tomcat/pom.xml
* /opt/cola/permits/2321874595_1737311316.6852076/0/war-limited-post-fragment-tomcat-8-0-27-sources-jar/META-INF/web-fragment.xml

1.7438 apache-felix-webconsole 4.8.12

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1.7439 restconf-common-models 7.0.9

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```
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*
* <p>
* This class represents the following YANG schema fragment defined in module <b>sal-remote</b>
* <pre>
* module sal-remote {
*   yang-version 1;
*   namespace urn:opendaylight:params:xml:ns:yang:controller:md:sal:remote;
*   prefix sal-remote;
```

```
*   revision 2014-01-14 {
*   }
*   typedef q-name {
*     type string;
*   }
*   rpc create-data-change-event-subscription {
*     input input {
*       leaf path {
*         type instance-identifier;
*       }
*     }
*     output output {
*       leaf stream-name {
*         type string;
 *       }
*     }
*   }
*   notification data-changed-notification {
*     list data-change-event {
*       key path;
*       leaf path {
*         type instance-identifier;
*       }
*       leaf store {
*         type enumeration {
*           enum config;
*           enum operation;
*         }
*       }
*       leaf operation {
*         type enumeration {
*           enum created;
*           enum updated;
*           enum deleted;
*         }
*       }
*       anyxml data {
*       }
*     }
*   }
*   rpc create-notification-stream {
*     input input {
*       leaf-list notifications {
*         type q-name;
*         min-elements 1;
*       }
*     }
*     output output {
```

```
*       leaf notification-stream-identifier {
*         type string;
*       }
*     }
*   }
*   rpc begin-transaction {
*     output output {
*       anyxml data-modification-transaction {
*       }
*     }
*   }
* }
* </pre>
*
*/
```

Found in path(s):
* /opt/cola/permits/2321875878_1737311261.2843041/0/restconf-common-models-7-0-9-sources-jar/org/opendaylight/yang/gen/v1/urn/opendaylight/params/xml/ns/yang/controller/md/sal/remote/rev140114/SalRemoteData.java
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```
module odl-device-notification {
 namespace "urn:opendaylight:device:notification";
 prefix "device-notifi";

 import ietf-inet-types {
   prefix inet;
 }

 organization "OpenDaylight";
 contact "Nikhil Soni <nikk.sonitech@gmail.com>";

 description
   "This module contains the definition of methods related to
   device notification model

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    http://www.eclipse.org/legal/epl-v10.html";

 revision "2024-02-18" {
   description "Corrected output to result in a stream name";
 }
```

```
 revision "2022-11-06" {
   description
     "Initial revision";
 }

 rpc subscribe-device-notification {
   description
     "Subscribe to notifications on specified device.";

    input {
     leaf path {
       type instance-identifier;
       description "Device mount point path";
     }
   }
   output {
     leaf stream-name {
       type string;
       description "Notification stream name.";
     }
   }
 }
}
```

Found in path(s):
* /opt/cola/permits/2321875878_1737311261.2843041/0/restconf-common-models-7-0-9-sources-jar/META-INF/yang/odl-device-notification@2024-02-18.yang
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```

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* /opt/cola/permits/2321875878_1737311261.2843041/0/restconf-common-models-7-0-9-sources-jar/META-INF/maven/org.opendaylight.netconf/restconf-common-models/pom.xml
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```
module sal-remote {

   yang-version 1;
   namespace "urn:opendaylight:params:xml:ns:yang:controller:md:sal:remote";
   prefix "sal-remote";
```

```
organization "Cisco Systems, Inc.";
contact "Martin Bobak <mbobak@cisco.com>";

description
     "This module contains the definition of methods related to
      sal remote model.

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      http://www.eclipse.org/legal/epl-v10.html";

revision "2014-01-14" {
   description "Initial revision";
}

typedef q-name {
   type string;
   reference "http://www.w3.org/TR/2004/REC-xmlschema-2-20041028/#QName";
}

rpc create-data-change-event-subscription {
    input {
      leaf path {
         type instance-identifier;
         description "Subtree path. ";
         mandatory true;
      }
   }
   output {
      leaf stream-name {
         type string;
         description "Notification stream name.";
      }
   }
}

notification data-changed-notification {
   description "Data change notification.";
   list data-change-event {
      key path;
      leaf path {
         type instance-identifier;
      }
      leaf store {
         type enumeration {
```

```
                enum config;
                enum operation;
            }
        }
        leaf operation {
            type enumeration {
                enum created;
                enum updated;
                enum deleted;
            }
        }
        anyxml data{
            description "DataObject
";
        }
    }
}

rpc create-notification-stream {
    input {
        leaf-list notifications {
            type q-name;
            description "Notification QNames";
            min-elements 1;
        }
    }
    output {
        leaf notification-stream-identifier {
            type string;
            description "Unique notification stream identifier, in which notifications will be propagated";
        }
    }
}

rpc begin-transaction {
    output {
        anyxml data-modification-transaction {
            description "DataModificationTransaction xml";
        }
    }
}
}
```

Found in path(s):
* /opt/cola/permits/2321875878_1737311261.2843041/0/restconf-common-models-7-0-9-sources-jar/META-INF/yang/sal-remote@2014-01-14.yang
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```
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*
* <p>
* This class represents the following YANG schema fragment defined in module <b>odl-device-notification</b>
* <pre>
* module odl-device-notification {
*   namespace urn:opendaylight:device:notification;
*   prefix device-notifi;
*   import ietf-inet-types {
*     prefix inet;
*   }
*   revision 2024-02-18 {
*   }
*   revision 2022-11-06 {
*   }
*   rpc subscribe-device-notification {
*     input input {
*       leaf path {
*         type instance-identifier;
*       }
*     }
*     output output {
*       leaf stream-name
 {
*         type string;
*       }
*     }
*   }
* }
* </pre>
*
*/
```

Found in path(s):
* /opt/cola/permits/2321875878_1737311261.2843041/0/restconf-common-models-7-0-9-sources-jar/org/opendaylight/yang/gen/v1/urn/opendaylight/device/notification/rev240218/OdlDeviceNotificationData.java

1.7440 yang-parser-impl 13.0.7

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* /opt/cola/permits/2321875495_1737311663.1699429/0/yang-parser-impl-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/repo/YangTextSchemaContextResolver.java
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* /opt/cola/permits/2321875495_1737311663.1699429/0/yang-parser-impl-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/repo/SharedSchemaRepository.java
* /opt/cola/permits/2321875495_1737311663.1699429/0/yang-parser-impl-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/repo/SourceIdMismatchDetector.java
* /opt/cola/permits/2321875495_1737311663.1699429/0/yang-parser-impl-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/repo/AssembleSources.java
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* /opt/cola/permits/2321875495_1737311663.1699429/0/yang-parser-impl-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/impl/DefaultReactors.java
* /opt/cola/permits/2321875495_1737311663.1699429/0/yang-parser-impl-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/impl/package-info.java
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* /opt/cola/permits/2321875495_1737311663.1699429/0/yang-parser-impl-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/repo/RevisionDependencyResolver.java

1.7441 pax-web-undertow 8.0.27

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* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/web/DefaultServlet.java

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* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/PaxWebUndertowExtension.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/PaxWebListenerInfo.java
*

/opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/UndertowSupport.java
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* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/schema/wildfly-undertow_4_0.xsd
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* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/PaxWebSessionIdGenerator.java
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* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-

jar/org/ops4j/pax/web/service/undertow/internal/UndertowServerController.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/web/FileETagFunction.java
*
 /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/web/UndertowResourceServlet.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/web/OsgiServletContainerInitializerInfo.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/web/OsgiResourceManager.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/PaxWebPreprocessorsHandler.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/PaxWebFilterInfo.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/PaxWebOuterHandlerWrapper.java
*
 /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/Activator.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/FileSessionPersistence.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/UndertowServerControllerFactory.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/web/FlexibleServletContextImpl.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/UndertowFactory.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/PaxWebSecurityHandler.java
*
 /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/web/FlexibleErrorPages.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/web/FlexibleDeployment.java
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// see org.wildfly.extension.undertow.deployment.UndertowDeploymentInfoService#getConfidentialPortManager

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* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/configuration/model/Server.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/configuration/model/UndertowSubsystem.java
*
 /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/ContextAwarePathHandler.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/configuration/model/SecurityRealm.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/configuration/model/SocketBinding.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/security/JaasIdentityManager.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/configuration/model/UndertowConfiguration.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/CertificateValidator.java
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* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/configuration/model/package-info.java
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* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/configuration/ResolvingContentHandler.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/UndertowUtil.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/security/PropertiesIdentityManager.java
*
 /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/internal/PathMatcher.java
* /opt/cola/permits/2321874644_1737311538.217064/0/pax-web-undertow-8-0-27-sources-jar/org/ops4j/pax/web/service/undertow/configuration/model/IoSubsystem.java
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* /opt/cola/permits/2321875742_1737311472.0822523/0/aaa-password-service-impl-0-19-6-sources-jar/org/opendaylight/aaa/impl/password/service/OSGiPasswordServiceConfigBootstrap.java
* /opt/cola/permits/2321875742_1737311472.0822523/0/aaa-password-service-impl-0-19-6-sources-jar/org/opendaylight/aaa/impl/password/service/OSGiPasswordHashService.java

1.7443 rfc6241-parser-support 13.0.7

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* /opt/cola/permits/2321874464_1737311709.8682816/0/rfc6241-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6241/parser/GetFilterElementAttributesEffectiveStatementImpl.java
* /opt/cola/permits/2321874464_1737311709.8682816/0/rfc6241-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6241/parser/GetFilterElementAttributesStatementImpl.java
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* /opt/cola/permits/2321874464_1737311709.8682816/0/rfc6241-parser-support-13-0-7-sources-jar/module-info.java
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* /opt/cola/permits/2321874464_1737311709.8682816/0/rfc6241-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6241/parser/GetFilterElementAttributesStatementSupport.java

1.7444 apache-karaf-wrapper-core 4.4.6

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1.7445 pax-jdbc-pool-aries 1.5.7

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* /opt/cola/permits/2321875319_1737311557.1480596/0/pax-jdbc-pool-aries-1-5-7-sources-jar/org/ops4j/pax/jdbc/pool/aries/impl/Activator.java
* /opt/cola/permits/2321875319_1737311557.1480596/0/pax-jdbc-pool-aries-1-5-7-sources-jar/org/ops4j/pax/jdbc/pool/aries/impl/AriesXaPooledDataSourceFactory.java
* /opt/cola/permits/2321875319_1737311557.1480596/0/pax-jdbc-pool-aries-1-5-7-sources-jar/org/ops4j/pax/jdbc/pool/aries/impl/AriesPooledDataSourceFactory.java
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1.7446 mdsal-binding-spi 13.0.6

1.7446.1 Available under license :

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* /opt/cola/permits/2321874481_1737311382.23487/0/mdsal-binding-spi-13-0-6-sources-jar/org/opendaylight/mdsal/binding/spi/ForwardingReadWriteTransaction.java
* /opt/cola/permits/2321874481_1737311382.23487/0/mdsal-binding-spi-13-0-6-sources-jar/org/opendaylight/mdsal/binding/spi/ForwardingWriteTransaction.java
* /opt/cola/permits/2321874481_1737311382.23487/0/mdsal-binding-spi-13-0-6-sources-jar/org/opendaylight/mdsal/binding/spi/ForwardingReadTransaction.java
* /opt/cola/permits/2321874481_1737311382.23487/0/mdsal-binding-spi-13-0-6-sources-jar/org/opendaylight/mdsal/binding/spi/ForwardingDataBroker.java
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1.7447 aaa-filterchain 0.19.6

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* /opt/cola/permits/2321874546_1737311345.7979202/0/aaa-filterchain-0-19-6-sources-jar/org/opendaylight/aaa/filterchain/filters/CustomFilterAdapter.java
* /opt/cola/permits/2321874546_1737311345.7979202/0/aaa-filterchain-0-19-6-sources-jar/org/opendaylight/aaa/filterchain/filters/AAAFilterChain.java
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* /opt/cola/permits/2321874546_1737311345.7979202/0/aaa-filterchain-0-19-6-sources-jar/org/opendaylight/aaa/filterchain/configuration/CustomFilterAdapterListener.java

1.7448 pax-web-undertow-websocket 8.0.27

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org.ops4j.pax.web.service.undertow.websocket.internal.WebSocketsExtension
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Found in path(s):
* /opt/cola/permits/2321875929_1737311517.375166/0/pax-web-undertow-websocket-8-0-27-sources-jar/META-INF/services/org.ops4j.pax.web.service.undertow.PaxWebUndertowExtension
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org.ops4j.pax.web.service.undertow.websocket.internal.WebSocketsInitializer

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* /opt/cola/permits/2321875929_1737311517.375166/0/pax-web-undertow-websocket-8-0-27-sources-

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1.7449 apache-karaf-bundle-blueprintstate 4.4.6

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1.7450 keycloak-common 8.0.27

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org.keycloak.protocol.oidc.client.authentication.JWTClientCredentialsProvider
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Found in path(s):
* /opt/cola/permits/2321875705_1737311398.620683/0/keycloak-common-8-0-27-sources-jar/META-INF/services/org.keycloak.protocol.oidc.client.authentication.ClientCredentialsProvider
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org.keycloak.crypto.def.DefaultCryptoProvider

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1.7451 rfc8528-parser-support 13.0.7

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* /opt/cola/permits/2321874132_1737311257.4473197/0/rfc8528-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc8528/parser/RefMountPointStatement.java
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1.7452 pax-jdbc-config 1.5.7

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* /opt/cola/permits/2321874214_1737311817.3974109/0/pax-jdbc-config-1-5-7-sources-jar/org/ops4j/pax/jdbc/config/impl/ServiceTrackerHelper.java
* /opt/cola/permits/2321874214_1737311817.3974109/0/pax-jdbc-config-1-5-7-sources-jar/org/ops4j/pax/jdbc/config/impl/DataSourceConfigManager.java
* /opt/cola/permits/2321874214_1737311817.3974109/0/pax-jdbc-config-1-5-7-sources-jar/org/ops4j/pax/jdbc/config/impl/FileConfigLoader.java
* /opt/cola/permits/2321874214_1737311817.3974109/0/pax-jdbc-config-1-5-7-sources-jar/org/ops4j/pax/jdbc/config/impl/DataSourceWrapper.java
* /opt/cola/permits/2321874214_1737311817.3974109/0/pax-jdbc-config-1-5-7-sources-jar/org/ops4j/pax/jdbc/config/impl/Activator.java
* /opt/cola/permits/2321874214_1737311817.3974109/0/pax-jdbc-config-1-5-7-sources-jar/org/ops4j/pax/jdbc/config/impl/Decryptor.java
* /opt/cola/permits/2321874214_1737311817.3974109/0/pax-jdbc-config-1-5-7-sources-jar/org/ops4j/pax/jdbc/config/ConfigLoader.java
* /opt/cola/permits/2321874214_1737311817.3974109/0/pax-jdbc-config-1-5-7-sources-jar/org/ops4j/pax/jdbc/config/impl/ExternalConfigLoader.java
* /opt/cola/permits/2321874214_1737311817.3974109/0/pax-jdbc-config-1-5-7-sources-jar/org/ops4j/pax/jdbc/config/impl/DataSourceRegistration.java
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* /opt/cola/permits/2321874214_1737311817.3974109/0/pax-jdbc-config-1-5-7-sources-jar/META-INF/maven/org.ops4j.pax.jdbc/pax-jdbc-config/pom.xml

1.7453 metrics-health-checks 4.2.26

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Manifest-Version: 1.0
Automatic-Module-Name: com.codahale.metrics.health
Build-Jdk-Spec: 17
Bundle-Description: An addition to Metrics which provides the ability
to run application-specific health checks, allowing you to che
ck your application's heath in production.
Bundle-License: https://www.apache.org/licenses/LICENSE-2.0.html
Bundle-ManifestVersion: 2
Bundle-Name: Metrics Health Checks
Bundle-SymbolicName: io.dropwizard.metrics.healthchecks
Bundle-Version: 4.2.26
Created-By: Apache Maven Bundle Plugin 5.1.9
Export-Package: com.codahale.metrics.health;uses:="com.codahale.metric
s";version="4.2.26",com.codahale.metrics.health.annotation;version="4
.2.26",com.codahale.metrics.health.jvm;uses:="com.codahale.metrics.he
alth,com.codahale.metrics.jvm";version="4.2.26"
Implementation-Title: Metrics Health Checks
Implementation-Version: 4.2.26
Import-Package: org.slf4j;version="[1.6.0,2.0.0)",com.codahale.metrics
 ;version="[4.2,5)",com.codahale.metrics.health,com.codahale.metrics.h
ealth.annotation,com.codahale.metrics.jvm;version="[4.2,5)";resolutio
n:=optional
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Tool: Bnd-6.3.1.202206071316

Found in path(s):
* /opt/cola/permits/2321875531_1737311384.3590088/0/metrics-healthchecks-4-2-26-1-jar/META-INF/MANIFEST.MF

1.7454 apache-karaf-config-core 4.4.6

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1.7455 pax-web-karaf 8.0.27

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* /opt/cola/permits/2321875792_1737311494.6920204/0/pax-web-karaf-8-0-27-sources-jar/org/ops4j/pax/web/karaf/commands/ServletListCommand.java
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1.7456 yang-data-util 13.0.7

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* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/ChoiceNodeDataWithSchema.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/SimpleNodeDataWithSchema.java

* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/AbstractNodeDataWithSchema.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/CompositeNodeDataWithSchema.java
*
 /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/ParserStreamUtils.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/CaseNodeDataWithSchema.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/AnyXmlNodeDataWithSchema.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/ContainerNodeDataWithSchema.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/LeafNodeDataWithSchema.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/ListNodeDataWithSchema.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/LeafListNodeDataWithSchema.java
*
 /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/LeafListEntryNodeDataWithSchema.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/ListEntryNodeDataWithSchema.java
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* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/impl/context/ListItemContext.java
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* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/DuplicateChildNodeRejectedException.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/module-info.java
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* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/ImmutableMountPointContext.java

* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/AbstractMountPointContextFactory.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/MountPointData.java
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* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/LeafInterner.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/impl/context/LeafContext.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/impl/context/AbstractCompositeContext.java
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 /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/impl/context/ListContext.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/impl/context/MapContext.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/impl/context/AbstractContext.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/impl/context/LeafListContext.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/XpathStringParsingPathArgumentBuilder.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/impl/context/LeafListItemContext.java
*
 /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/DataSchemaContext.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/impl/context/ChoiceContext.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/impl/context/AbstractPathMixinContext.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/impl/context/ContainerContext.java
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* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/codec/LazyCodecCache.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/codec/NoopCodecCache.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/codec/SharedCodecCache.java
*
 /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/codec/QNameCodecUtil.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/codec/CodecCache.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/codec/TypeAwareCodec.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/codec/PrecomputedCodecCache.java
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* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/AnydataNodeDataWithSchema.java
* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/AbstractMountPointDataWithSchema.java
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* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-

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* /opt/cola/permits/2321874131_1737311371.6836743/0/yang-data-util-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/util/impl/context/AbstractValueContext.java
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* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/security/api/AuthenticationMechanismContext.java
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*/
/**
     * Returns an array containing all of the elements in this deque, in
    * proper sequence (from first to last element).
    *
    * <p>The returned array will be "safe" in that no references to it are
    * maintained by this deque.  (In other words, this method must allocate
    * a new array).  The caller is thus free to modify the returned array.
    *
    * <p>This method acts as bridge between array-based and collection-based
    * APIs.
    *
    * @return an array containing all of the elements in this deque
    */
```

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* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/util/FastConcurrentDirectDeque.java
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 /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/server/handlers/StuckThreadDetectionHandler.java
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/**
* An extension to {@link AbstractConfidentialityHandler} that uses the Host header from the incoming message and specifies the
* confidential address by just switching the port.
*
* @author Darran
 Lofthouse
*/

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*/
/**
* Handler responsible for checking of confidentiality is required for the requested resource and if so rejecting the request
* and redirecting to a secure address.
*
* @author <a href="mailto:darran.lofthouse@jboss.com">Darran
 Lofthouse</a>
*/
/**
    * Use the HttpServerExchange supplied to check if this request is already 'sufficiently' confidential.
    *
    * Here we say 'sufficiently' as sub-classes can override this and maybe even go so far as querying the actual SSLSession.
    *
    * @param exchange - The {@link HttpServerExchange} for the request being processed.
```

```
    * @return true if the request is 'sufficiently' confidential, false otherwise.
    */
/**
    * Use the HttpServerExchange to identify if confidentiality is required.
    *
    * This method currently returns true for all requests, sub-classes can override this to provide a custom check.
    *
    * TODO: we should deprecate this and just use a predicate to decide to execute the handler instead
    *
    * @param exchange - The {@link HttpServerExchange} for the request being processed.
    * @return true if the request requires confidentiality, false otherwise.
    */
/**
    * All sub-classes are required
 to provide an implementation of this method, using the HttpServerExchange for the current
    * request return the address to use for a redirect should confidentiality be required and the request not be
confidential.
    *
    * @param exchange - The {@link HttpServerExchange} for the request being processed.
    * @return The {@link URI} to redirect to.
    */
```

Found in path(s):
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/security/handlers/AbstractConfidentialityHandler.java
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Found in path(s):
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/server/handlers/proxy/RouteIteratorFactory.java

* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/server/handlers/proxy/RouteParsingStrategy.java
*
 /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/util/UrlDecodeException.java
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* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/protocols/ssl/SNISSLExplorer.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/protocols/alpn/DefaultAlpnEngineManager.java
*
 /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/protocols/ssl/SNIAlpnEngineManager.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/protocols/ssl/SNIContextMatcher.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/protocols/ssl/SNISSLContext.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/protocols/ssl/SNISSLEngine.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/protocols/alpn/ALPNEngineManager.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/protocols/ssl/SNISSLContextSpi.java
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*  limitations under the License.
*/
/**
* <p>
* Encodes and decodes to and from Base64 notation.
* </p>
* <p>
* Homepage: <a href="http://iharder.net/base64">http://iharder.net/base64</a>.
* </p>
*
* <p>
* Example:
* </p>
*
* <code>String encoded
 = Base64.encode( myByteArray );</code> <br />
* <code>byte[] myByteArray = Base64.decode( encoded );</code>
*
* <p>
* The <tt>options</tt> parameter, which appears in a few places, is used to pass several pieces of information to the
encoder.
* In the "higher level" methods such as encodeBytes( bytes, options ) the options parameter can be used to indicate
such things
* as first gzipping the bytes before encoding them, not inserting linefeeds, and encoding using the URL-safe and
Ordered
* dialects.
* </p>
*
* <p>
* Note, according to <a href="http://www.faqs.org/rfcs/rfc3548.html">RFC3548</a>, Section 2.1, implementations
should not add
* line feeds unless explicitly told to do so. I've got Base64 set to this behavior now, although earlier versions broke
lines
* by default.
* </p>
*
* <p>
* The constants defined in Base64 can be OR-ed together to combine options, so you might make a call like this:
* </p>
```

```
*
* <code>String encoded = Base64.encodeBytes( mybytes,
 Base64.GZIP | Base64.DO_BREAK_LINES );</code>
* <p>
* to compress the data before encoding it and then making the output have newline characters.
* </p>
* <p>
* Also...
* </p>
* <code>String encoded = Base64.encodeBytes( crazyString.getBytes() );</code>
*
*
*
* <p>
* Change Log:
* </p>
* <ul>
* <li>v2.3.7 - Fixed subtle bug when base 64 input stream contained the value 01111111, which is an invalid base
64 character
* but should not throw an ArrayIndexOutOfBoundsException either. Led to discovery of mishandling (or potential
for better
* handling) of other bad input characters. You should now get an IOException if you try decoding something that
has bad
* characters in it.</li>
* <li>v2.3.6 - Fixed bug when breaking lines and the final byte of the encoded string ended in the last column; the
buffer was
* not properly shrunk and contained an extra (null) byte that made it into the string.</li>
* <li>v2.3.5 - Fixed bug in {@link #encodeFromFile} where estimated buffer
 size was wrong for files of size 31, 34, and 37
* bytes.</li>
* <li>v2.3.4 - Fixed bug when working with gzipped streams whereby flushing the Base64.OutputStream closed the
Base64 encoding
* (by padding with equals signs) too soon. Also added an option to suppress the automatic decoding of gzipped
streams. Also
* added experimental support for specifying a class loader when using the
* {@link #decodeToObject(String, int, ClassLoader)} method.</li>
* <li>v2.3.3 - Changed default char encoding to US-ASCII which reduces the internal Java footprint with its
CharEncoders and so
* forth. Fixed some javadocs that were inconsistent. Removed imports and specified things like java.io.IOException
explicitly
* inline.</li>
* <li>v2.3.2 - Reduced memory footprint! Finally refined the "guessing" of how big the final encoded data will be
so that the
* code doesn't have to create two output arrays: an oversized initial one and then a final, exact-sized one. Big win
when using
* the {@link
 #encodeBytesToBytes(byte[])} family of methods (and not using the gzip options which uses a different
mechanism
```

* with streams and stuff).
* v2.3.1 - Added {@link #encodeBytesToBytes(byte[], int, int, int)} and some similar helper methods to be more efficient
* with memory by not returning a String but just a byte array.
* v2.3 - This is not a drop-in replacement! This is two years of comments and bug fixes queued up and
* finally executed. Thanks to everyone who sent me stuff, and I'm sorry I wasn't able to distribute your fixes to everyone
* else. Much bad coding was cleaned up including throwing exceptions where necessary instead of returning null values or
* something similar. Here are some changes that may affect you:
*
* Does not break lines, by default. This is to keep in compliance with <a
* href="http://www.faqs.org/rfcs/rfc3548.html">RFC3548.
* Throws exceptions instead of returning null values.
 Because some operations (especially those that may permit
* the GZIP option) use IO streams, there is a possibility of an java.io.IOException being thrown. After some discussion and
* thought, I've changed the behavior of the methods to throw java.io.IOExceptions rather than return null if ever there's an
* error. I think this is more appropriate, though it will require some changes to your code. Sorry, it should have been done
* this way to begin with.
* Removed all references to System.out, System.err, and the like. Shame on me. All I can say is sorry they were
* ever there.
* Throws NullPointerExceptions and IllegalArgumentExceptions as needed such as when passed arrays are null or
* offsets are invalid.
* Cleaned up as much javadoc as I could to avoid any javadoc warnings. This was especially annoying before for people who
* were thorough in their own projects and then had gobs of javadoc warnings on this file.
*
 * v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug when using very small files (~< 40 bytes).
* v2.2 - Added some helper methods for encoding/decoding directly from one file to the next. Also added a main() method to
* support command line encoding/decoding from one file to the next. Also added these Base64 dialects:
*
* The default is RFC3548 format.
* Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates URL and file name friendly format as described in
* Section 4 of RFC3548. http://www.faqs.org/rfcs/rfc3548.html
* Calling Base64.setFormat(Base64.BASE64_FORMAT.ORDERED_FORMAT) generates URL and file name friendly format that preserves
* lexical ordering as described in http://www.faqs.org/qa/rfcc-1940.html
*
* Special thanks to Jim Kellerman at http://www.powerset.com/ for

contributing the new
* Base64 dialects.
*
* v2.1 - Cleaned
 up javadoc comments and unused variables and methods. Added some convenience methods for reading and
* writing to and from files.
* v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems with other encodings (like EBCDIC).
* v2.0.1 - Fixed an error when decoding a single byte, that is, when the encoded data was a single byte.
* v2.0 - I got rid of methods that used booleans to set options. Now everything is more consolidated and cleaner. The code
* now detects when data that's being decoded is gzip-compressed and will decompress it automatically. Generally things are
* cleaner. You'll probably have to change some method calls that you were making to support the new options format (
* <tt>int</tt>s that you "OR" together).
* v1.5.1 - Fixed bug when decompressing and decoding to a byte[] using <tt>decode(String s, boolean gzipCompressed)</tt>.
* Added the ability to "suspend" encoding in the Output Stream so you can
 turn on and off the encoding if you need to embed
* base64 data in an otherwise "normal" stream (like an XML file).
* v1.5 - Output stream passes on flush() command but doesn't do anything itself. This helps when using GZIP streams. Added
* the ability to GZip-compress objects before encoding them.
* v1.4 - Added helper methods to read/write files.
* v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.
* v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream where last buffer being read, if not
* completely full, was not returned.
* v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.
* v1.3.3 - Fixed I/O streams which were totally messed up.
*
*
*
* I am placing this code in the Public Domain. Do with it as you will. This software comes with no guarantees or warranties but
* with plenty of well-wishing instead! Please visit http://iharder.net/base64
 * periodically to check for updates or to contribute improvements.
*
*
* @author Robert Harder
* @author rob@iharder.net
* @version 2.3.7
*/

Found in path(s):
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/websockets/core/protocol/version07/Base64.java

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* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/META-INF/services/io.undertow.protocols.alpn.ALPNEngineManager
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* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/META-INF/services/io.undertow.protocols.alpn.ALPNProvider
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* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/server/ConnectorStatisticsImpl.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/protocols/alpn/ALPNManager.java
*
 /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/predicate/AndPredicate.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/security/api/SessionNonceManager.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/server/handlers/cache/ResponseCachingSender.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/server/protocol/http/CacheMap.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/Version.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/websockets/core/WebSocketInvalidCloseCodeException.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/attribute/PredicateContextAttribute.java
*

/opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/protocols/ajp/AjpClientFramePriority.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/attribute/ThreadNameAttribute.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/server/protocol/http/ALPNOfferedClientHelloExplorer.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/security/impl/InMemorySingleSignOnManager.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/server/handlers/BlockingHandler.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/server/handlers/proxy/ConnectionPoolManager.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/server/handlers/builder/HandlerParser.java
*
/opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/util/ConcurrentDirectDeque.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/websockets/core/BinaryOutputStream.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/server/handlers/form/MultiPartParserDefinition.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/security/api/GSSAPIServerSubjectFactory.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/conduits/FinishableStreamSinkConduit.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/util/StringWriteChannelListener.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/server/XnioByteBufferPool.java
*
/opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/util/Methods.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/server/handlers/StoredResponseHandler.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/server/handlers/proxy/ProxyCallback.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/websockets/core/protocol/version07/WebSocket07PongFrameSinkChannel.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/attribute/LocalPortAttribute.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/server/protocol/http2/Http2SslSessionInfo.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/conduits/ChunkedStreamSourceConduit.java
*
/opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/util/PathTemplateMatcher.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-

jar/io/undertow/server/handlers/encoding/AllowedContentEncodings.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/server/ListenerRegistry.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/websockets/core/function/ChannelFunction.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/websockets/core/function/ChannelFunctionFileChannel.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/protocols/ssl/SslConduit.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/protocols/http2/Http2NoDataStreamSinkChannel.java
*
/opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/client/http/HttpClientProvider.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/attribute/SslClientCertAttribute.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/server/handlers/cache/LRUCache.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/attribute/ReadOnlyAttributeException.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/protocols/http2/Http2HeadersStreamSinkChannel.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/security/impl/ClientCertAuthenticationMechanism.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/protocols/http2/Http2Setting.java
*
/opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/conduits/ChunkReader.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/predicate/FalsePredicate.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/server/protocol/framed/AbstractFramedChannel.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/attribute/CookieAttribute.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/util/FileUtils.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/util/MalformedMessageException.java
* /opt/cola/permits/2321874552_1747756471.7679718/0/undertow-core-2-2-31-final-sources-jar/io/undertow/server/handlers/CanonicalPathHandler.java
*
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* /opt/cola/permits/2321874382_1737311470.0950599/0/yang-parser-rfc7950-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/rfc7950/stmt/list/ConfigListWarningNamespace.java
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1.7459 pax-jdbc-pool-dbcp2 1.5.7

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* /opt/cola/permits/2321875897_1737311475.6924548/0/pax-jdbc-pool-dbcp2-1-5-7-sources-jar/org/ops4j/pax/jdbc/pool/dbcp2/impl/DbcpXAPooledDataSourceFactory.java
* /opt/cola/permits/2321875897_1737311475.6924548/0/pax-jdbc-pool-dbcp2-1-5-7-sources-jar/org/ops4j/pax/jdbc/pool/dbcp2/impl/DbcpPooledDataSourceFactory.java

1.7460 yang-data-api 13.0.7

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* /opt/cola/permits/2321875754_1737311601.989949/0/yang-data-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/api/schema/stream/ForwardingNormalizedNodeStreamWriter.java
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* /opt/cola/permits/2321875754_1737311601.989949/0/yang-data-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/api/schema/NormalizedMountpoints.java
* /opt/cola/permits/2321875754_1737311601.989949/0/yang-data-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/api/schema/AbstractLeafNode.java
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* /opt/cola/permits/2321875754_1737311601.989949/0/yang-data-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/api/schema/NormalizedContainer.java

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* /opt/cola/permits/2321875754_1737311601.989949/0/yang-data-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/api/schema/AbstractMapEntryNode.java
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1.7463 sal-akka-segmented-journal 9.0.5

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* /opt/cola/permits/2321874736_1737311276.0345116/0/sal-akka-segmented-journal-9-0-5-sources-jar/org/opendaylight/controller/akka/segjournal/SegmentedFileJournal.java
* /opt/cola/permits/2321874736_1737311276.0345116/0/sal-akka-segmented-journal-9-0-5-sources-jar/org/opendaylight/controller/akka/segjournal/DataJournalEntry.java
* /opt/cola/permits/2321874736_1737311276.0345116/0/sal-akka-segmented-journal-9-0-5-sources-jar/org/opendaylight/controller/akka/segjournal/DataJournalEntrySerdes.java
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1.7464 rfc7952-parser-support 13.0.7

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* /opt/cola/permits/2321874512_1737311253.6703594/0/rfc7952-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc7952/parser/AnnotationStatementImpl.java

1.7465 security-service 1.16.2

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1.7466 pax-jdbc-pool-c3p0 1.5.7

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* /opt/cola/permits/2321874718_1737311242.1509652/0/pax-jdbc-pool-c3p0-1-5-7-sources-

jar/org/ops4j/pax/jdbc/pool/c3p0/impl/Activator.java
* /opt/cola/permits/2321874718_1737311242.1509652/0/pax-jdbc-pool-c3p0-1-5-7-sources-jar/org/ops4j/pax/jdbc/pool/c3p0/impl/ds/C3p0XAPooledDataSourceFactory.java
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1.7467 apache-karaf-webconsole-features 4.4.6

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1.7468 odlext-model-api 13.0.7

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* /opt/cola/permits/2321875016_1737311513.340468/0/odlext-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/model/api/ContextInstanceStatement.java
* /opt/cola/permits/2321875016_1737311513.340468/0/odlext-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/model/api/MountEffectiveStatement.java
* /opt/cola/permits/2321875016_1737311513.340468/0/odlext-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/model/api/RpcContextReferenceStatement.java
* /opt/cola/permits/2321875016_1737311513.340468/0/odlext-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/model/api/AugmentIdentifierEffectiveStatement.java
* /opt/cola/permits/2321875016_1737311513.340468/0/odlext-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/model/api/RpcContextReferenceEffectiveStatement.java
* /opt/cola/permits/2321875016_1737311513.340468/0/odlext-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/model/api/MountStatement.java
* /opt/cola/permits/2321875016_1737311513.340468/0/odlext-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/model/api/ContextReferenceStatement.java
* /opt/cola/permits/2321875016_1737311513.340468/0/odlext-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/model/api/InstanceTargetEffectiveStatement.java
*

/opt/cola/permits/2321875016_1737311513.340468/0/odlext-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/model/api/InstanceTargetStatement.java
* /opt/cola/permits/2321875016_1737311513.340468/0/odlext-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/model/api/AugmentIdentifierStatement.java
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* /opt/cola/permits/2321875016_1737311513.340468/0/odlext-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/model/api/OpenDaylightExtensionsConstants.java
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1.7469 yang-data-codec-xml 13.0.7

1.7469.1 Available under license :

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* /opt/cola/permits/2321875217_1737311519.2702525/0/yang-data-codec-xml-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/xml/AbstractInstanceIdentifierCodec.java
* /opt/cola/permits/2321875217_1737311519.2702525/0/yang-data-codec-xml-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/xml/PreferredPrefixes.java
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* /opt/cola/permits/2321875217_1737311519.2702525/0/yang-data-codec-xml-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/xml/StreamWriterFacade.java
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* /opt/cola/permits/2321875217_1737311519.2702525/0/yang-data-codec-xml-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/xml/EmptyXmlCodec.java
* /opt/cola/permits/2321875217_1737311519.2702525/0/yang-data-codec-xml-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/xml/BooleanXmlCodec.java
* /opt/cola/permits/2321875217_1737311519.2702525/0/yang-data-codec-xml-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/xml/InstanceIdentifierDeserializer.java
* /opt/cola/permits/2321875217_1737311519.2702525/0/yang-data-codec-xml-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/xml/XmlCodec.java
* /opt/cola/permits/2321875217_1737311519.2702525/0/yang-data-codec-xml-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/xml/XmlParserStream.java
* /opt/cola/permits/2321875217_1737311519.2702525/0/yang-data-codec-xml-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/xml/QuotedXmlCodec.java
* /opt/cola/permits/2321875217_1737311519.2702525/0/yang-data-codec-xml-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/xml/AbstractXmlCodec.java
* /opt/cola/permits/2321875217_1737311519.2702525/0/yang-data-codec-xml-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/xml/IdentityrefXmlCodec.java
* /opt/cola/permits/2321875217_1737311519.2702525/0/yang-data-codec-xml-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/xml/XmlCodecFactory.java
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* /opt/cola/permits/2321875217_1737311519.2702525/0/yang-data-codec-xml-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/xml/XMLStreamNormalizedNodeStreamWriter.java
* /opt/cola/permits/2321875217_1737311519.2702525/0/yang-data-codec-xml-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/xml/NamespacePrefixes.java
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* /opt/cola/permits/2321875217_1737311519.2702525/0/yang-data-codec-xml-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/xml/DOMSourceMountPointChild.java
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* /opt/cola/permits/2321875217_1737311519.2702525/0/yang-data-codec-xml-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/xml/SchemaAwareXMLStreamWriterUtils.java
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* /opt/cola/permits/2321875217_1737311519.2702525/0/yang-data-codec-xml-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/xml/NullXmlCodec.java

1.7470 rfc8040-parser-support 13.0.7

1.7470.1 Available under license :

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* /opt/cola/permits/2321874368_1737311464.2174067/0/rfc8040-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc8040/parser/YangDataStatementSupport.java
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* /opt/cola/permits/2321874368_1737311464.2174067/0/rfc8040-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc8040/parser/RefYangDataStatement.java
* /opt/cola/permits/2321874368_1737311464.2174067/0/rfc8040-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc8040/parser/YangDataStatementImpl.java
* /opt/cola/permits/2321874368_1737311464.2174067/0/rfc8040-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc8040/parser/OperationsCreateLeafStatements.java
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1.7471 aaa-shiro-api 0.19.6

1.7471.1 Available under license :

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public DomainsBuilder() {
public DomainsBuilder(Domains base) {
public DomainsBuilder setDomains(final Map<DomainsKey, org.opendaylight.yang.gen.v1.urn.opendaylight.params.xml.ns.yang.aaa.rev161214.authentication.domains.Domains> values) {
public DomainsBuilder addAugmentation(Augmentation<Domains> augmentation) {
public DomainsBuilder removeAugmentation(Class<? extends Augmentation<Domains>> augmentationType) {

Found in path(s):
* /opt/cola/permits/2321875615_1737311279.8080711/0/aaa-shiro-api-0-19-6-sources-jar/org/opendaylight/yang/gen/v1/urn/opendaylight/params/xml/ns/yang/aaa/rev161214/authentication/DomainsBuilder.java
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public Domains getDomains() {
public Domains getDomains() {
public Domains nonnullDomains() {

Found in path(s):
* /opt/cola/permits/2321875615_1737311279.8080711/0/aaa-shiro-api-0-19-6-sources-

jar/org/opendaylight/yang/gen/v1/urn/opendaylight/params/xml/ns/yang/aaa/rev161214/AuthenticationBuilder.java
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```
public DomainsBuilder() {
public DomainsBuilder(Domain arg) {
public DomainsBuilder(Domains base) {
public DomainsKey key() {
public DomainsBuilder withKey(final DomainsKey key) {
public DomainsBuilder setDescription(final String value) {
public DomainsBuilder setDomainid(final String value) {
public DomainsBuilder setName(final String value) {
public DomainsBuilder addAugmentation(Augmentation<Domains> augmentation) {
public DomainsBuilder removeAugmentation(Class<? extends Augmentation<Domains>> augmentationType) {
public DomainsKey key() {
```

Found in path(s):
* /opt/cola/permits/2321875615_1737311279.8080711/0/aaa-shiro-api-0-19-6-sources-jar/org/opendaylight/yang/gen/v1/urn/opendaylight/params/xml/ns/yang/aaa/rev161214/authentication/domains/DomainsBuilder.java
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```
public DomainsKey(@NonNull String _domainid) {
public DomainsKey(DomainsKey source) {
```

Found in path(s):
* /opt/cola/permits/2321875615_1737311279.8080711/0/aaa-shiro-api-0-19-6-sources-jar/org/opendaylight/yang/gen/v1/urn/opendaylight/params/xml/ns/yang/aaa/rev161214/authentication/domains/DomainsKey.java
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1.7472 mdsal-binding-spec-util 13.0.6

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* /opt/cola/permits/2321874600_1737311774.600854/0/mdsal-binding-spec-util-13-0-6-sources-jar/org/opendaylight/mdsal/binding/spec/reflect/StringValueObjectFactory.java

1.7473 pax-jdbc 1.5.7

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* /opt/cola/permits/2321874858_1737311723.4060555/0/pax-jdbc-1-5-7-sources-jar/org/ops4j/pax/jdbc/impl/DriverDataSourceFactory.java
* /opt/cola/permits/2321874858_1737311723.4060555/0/pax-jdbc-1-5-7-sources-jar/org/ops4j/pax/jdbc/impl/DriverDataSource.java
* /opt/cola/permits/2321874858_1737311723.4060555/0/pax-jdbc-1-5-7-sources-jar/org/ops4j/pax/jdbc/impl/Activator.java
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* /opt/cola/permits/2321874858_1737311723.4060555/0/pax-jdbc-1-5-7-sources-jar/META-INF/maven/org.ops4j.pax.jdbc/pax-jdbc/pom.xml

1.7474 apache-karaf-event 4.4.6

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1.7475 pax-web-tomcat-websocket 8.0.27

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* /opt/cola/permits/2321874425_1737311505.5626097/0/rfc8819-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc8819/parser/ModuleTagStatementSupport.java
* /opt/cola/permits/2321874425_1737311505.5626097/0/rfc8819-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc8819/parser/ModuleTagEffectiveStatementImpl.java
* /opt/cola/permits/2321874425_1737311505.5626097/0/rfc8819-parser-support-13-0-7-sources-

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1.7477 eos-dom-akka 9.0.5

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* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-jar/org/opendaylight/controller/eos/akka/owner/supervisor/CandidateCleaner.java

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* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-

jar/org/opendaylight/controller/eos/akka/registry/listener/type/command/UnregisterListener.java
* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-
jar/org/opendaylight/controller/eos/akka/owner/supervisor/command/OwnerChanged.java
* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-
jar/org/opendaylight/controller/eos/akka/owner/supervisor/command/OwnerSupervisorReply.java
*
/opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-
jar/org/opendaylight/controller/eos/akka/registry/listener/type/EntityTypeListenerRegistry.java
* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-
jar/org/opendaylight/controller/eos/akka/registry/listener/type/command/CandidatesChanged.java
* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-
jar/org/opendaylight/controller/eos/akka/owner/checker/command/GetOwnershipStateReply.java
* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-
jar/org/opendaylight/controller/eos/akka/owner/supervisor/command/CandidatesChanged.java
* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-
jar/org/opendaylight/controller/eos/akka/registry/candidate/CandidateRegistry.java
* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-
jar/org/opendaylight/controller/eos/akka/owner/checker/command/GetCandidatesForEntity.java
*
/opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-
jar/org/opendaylight/controller/eos/akka/owner/supervisor/OwnerSyncer.java
* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-
jar/org/opendaylight/yang/gen/v1/urn/opendaylight/params/xml/ns/yang/controller/entity/owners/norev/EntityName
Builder.java
* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-
jar/org/opendaylight/controller/eos/akka/owner/supervisor/command/DataCenterActivated.java
* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-
jar/org/opendaylight/controller/eos/akka/owner/supervisor/command/MemberUnreachableEvent.java
* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-
jar/org/opendaylight/controller/eos/akka/registry/candidate/command/CandidateRemovalFailed.java
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/opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-
jar/org/opendaylight/controller/eos/akka/owner/supervisor/OwnerSupervisor.java
* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-
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* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-
jar/org/opendaylight/controller/eos/akka/registry/candidate/command/InternalUpdateResponse.java
* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-
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* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-jar/org/opendaylight/controller/eos/akka/registry/candidate/command/CandidateRemovalFinished.java
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* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-jar/org/opendaylight/controller/eos/akka/bootstrap/command/BootstrapCommand.java
* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-jar/org/opendaylight/controller/eos/akka/owner/checker/command/StateCheckerReply.java
* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-jar/org/opendaylight/controller/eos/akka/bootstrap/command/Terminate.java
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* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-jar/org/opendaylight/controller/eos/akka/registry/candidate/CandidateRegistryInit.java
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* /opt/cola/permits/2321874444_1737311667.8297393/0/eos-dom-akka-9-0-5-sources-jar/org/opendaylight/controller/eos/akka/owner/checker/command/StateCheckerCommand.java

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* /opt/cola/permits/2321875909_1737311532.0537696/0/aaa-cert-0-19-6-sources-jar/org/opendaylight/aaa/cert/impl/DefaultMdsalSslData.java
* /opt/cola/permits/2321875909_1737311532.0537696/0/aaa-cert-0-19-6-sources-jar/org/opendaylight/aaa/cert/impl/CertificateManagerService.java
* /opt/cola/permits/2321875909_1737311532.0537696/0/aaa-cert-0-19-6-sources-jar/org/opendaylight/aaa/cert/impl/AaaCertMdsalProvider.java
* /opt/cola/permits/2321875909_1737311532.0537696/0/aaa-cert-0-19-6-sources-jar/org/opendaylight/aaa/cert/api/ICertificateManager.java
*
 /opt/cola/permits/2321875909_1737311532.0537696/0/aaa-cert-0-19-6-sources-jar/org/opendaylight/aaa/cert/impl/AaaCertRpcServiceImpl.java
* /opt/cola/permits/2321875909_1737311532.0537696/0/aaa-cert-0-19-6-sources-jar/org/opendaylight/aaa/cert/impl/KeyStoresDataUtils.java
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1.7480 logging-markers 13.1.4

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*/
/**
   * Return the SLF4J marker for reporting messages which may contain sensitive information, such as credentials
   * used with an external system. This marker should be used by code components when dumping protocol data, such
   * as NETCONF messages, which may contain user passwords and similar. Logging provider should be configured to
   * redirect messages marked with this marker to a separate location which enjoys a higher level of confidentiality
   * and protection than other messages.
   *
   * @return The confidential marker.
   */
```

Found in path(s):
* /opt/cola/permits/2321875657_1737311329.8280528/0/logging-markers-13-1-4-sources-jar/org/opendaylight/odlparent/logging/markers/Markers.java

1.7481 pax-jdbc-teradata 1.5.7

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* /opt/cola/permits/2321874930_1737311373.5221982/0/pax-jdbc-teradata-1-5-7-sources-jar/org/ops4j/pax/jdbc/teradata/impl/TeradataDataSourceFactory.java

1.7482 aaa-encrypt-service 0.19.6

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* /opt/cola/permits/2321875711_1737311490.8525887/0/aaa-encrypt-service-0-19-6-sources-jar/org/opendaylight/aaa/encrypt/AAAEncryptionService.java

1.7483 apache-karaf-tools-utils 4.4.6

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1.7484 security-noop 1.16.2

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* /opt/cola/permits/2321875327_1737311592.0637183/0/security-noop-1-16-2-sources-jar/org/opendaylight/jsonrpc/security/noop/NoopAuthenticationProvider.java

1.7485 xnio-nio 3.8.11.Final

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* /opt/cola/permits/2321875168_1737311644.8001528/0/xnio-nio-3-8-11-final-sources-jar/org/xnio/nio/SelectorUtils.java
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#
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org.xnio.nio.NioXnioProvider

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1.7486 bus-jsonrpc 1.16.2

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* /opt/cola/permits/2321874804_1737311369.9194362/0/bus-jsonrpc-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/jsonrpc/JsonRpcSerializer.java
* /opt/cola/permits/2321874804_1737311369.9194362/0/bus-jsonrpc-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/jsonrpc/JsonRpcErrorMessageSerializer.java
* /opt/cola/permits/2321874804_1737311369.9194362/0/bus-jsonrpc-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/jsonrpc/JsonRpcBaseMessage.java
* /opt/cola/permits/2321874804_1737311369.9194362/0/bus-jsonrpc-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/jsonrpc/JsonRpcConstants.java
* /opt/cola/permits/2321874804_1737311369.9194362/0/bus-jsonrpc-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/jsonrpc/JsonRpcErrorObject.java
* /opt/cola/permits/2321874804_1737311369.9194362/0/bus-jsonrpc-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/jsonrpc/JsonRpcErrorMessage.java
* /opt/cola/permits/2321874804_1737311369.9194362/0/bus-jsonrpc-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/jsonrpc/JsonRpcReplyMessage.java
* /opt/cola/permits/2321874804_1737311369.9194362/0/bus-jsonrpc-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/jsonrpc/JsonRpcReplyMessageSerializer.java
* /opt/cola/permits/2321874804_1737311369.9194362/0/bus-jsonrpc-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/jsonrpc/JsonRpcRequestMessage.java
* /opt/cola/permits/2321874804_1737311369.9194362/0/bus-jsonrpc-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/jsonrpc/JsonRpcException.java
* /opt/cola/permits/2321874804_1737311369.9194362/0/bus-jsonrpc-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/jsonrpc/JsonRpcRequestMessageSerializer.java
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* /opt/cola/permits/2321874804_1737311369.9194362/0/bus-jsonrpc-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/jsonrpc/JsonRpcBaseRequestMessage.java
* /opt/cola/permits/2321874804_1737311369.9194362/0/bus-jsonrpc-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/jsonrpc/JsonRpcNotificationMessage.java

1.7487 yang-data-codec-gson 13.0.7

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* /opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/EmptyJSONCodec.java
* /opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/JSONStreamWriterExclusiveRootContext.java
* /opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/JSONStreamWriterSharedRootContext.java
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* /opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/JSONValueWriter.java
* /opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/DefaultJSONValueWriter.java
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* /opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/JSONStreamWriterQNameContext.java
* /opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/IdentityrefJSONCodec.java
*
 /opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/AbstractJSONCodec.java

* /opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/JSONStreamWriterInvisibleContext.java
* /opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/JSONCodec.java
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* /opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/QuotedJSONCodec.java
* /opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/JSONStreamWriterRootContext.java
*
/opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/JSONNormalizedNodeStreamWriter.java
* /opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/JSONStreamWriterURIContext.java
* /opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/JSONStreamWriterContext.java
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* /opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/JSONStreamWriterListContext.java
* /opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/BooleanJSONCodec.java
*
/opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/JSONStreamWriterObjectContext.java
* /opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/JSONCodecFactory.java
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* /opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/JSONCodecFactorySupplier.java
* /opt/cola/permits/2321874924_1737311759.097001/0/yang-data-codec-gson-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/gson/NullJSONCodec.java

1.7488 repackaged-akka 9.0.5

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/**
* Scala implementation of UUIDComparator in
* https://github.com/cowtowncoder/java-uuid-generator
* Apache License 2.0.
*/

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* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/ProtocolMessageEnum.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/DynamicMessage.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/UnknownFieldSet.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/SmallSortedMap.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/AbstractMessageLite.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/Parser.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/ServiceException.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/WireFormat.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/UnmodifiableLazyStringList.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/MessageOrBuilder.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/BlockingRpcChannel.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/AbstractMessage.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/LiteralByteString.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/RepeatedFieldBuilder.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/Message.java

* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/GeneratedMessage.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/TextFormat.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/AbstractParser.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/Internal.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/ExtensionRegistry.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/LazyStringList.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/MessageLite.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/GeneratedMessageLite.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/LazyField.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/LazyStringArrayList.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/RpcChannel.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/SingleFieldBuilder.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/BoundedByteString.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/CodedOutputStream.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/CodedInputStream.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/RpcController.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/MessageLiteOrBuilder.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/InvalidProtocolBufferException.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/Service.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/ByteString.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/RopeByteString.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/RpcUtil.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-

jar/akka/protobuf/BlockingService.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/ExtensionRegistryLite.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/RpcCallback.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/UninitializedMessageException.java
* /opt/cola/permits/2321875935_1737311611.3729808/0/repackaged-akka-9-0-5-sources-jar/akka/protobuf/FieldSet.java
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1.7489 yang-parser-reactor 13.0.7

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* /opt/cola/permits/2321875287_1737311318.4857047/0/yang-parser-reactor-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/stmt/reactor/UndeclaredStmtCtx.java
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* /opt/cola/permits/2321875287_1737311318.4857047/0/yang-parser-reactor-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/stmt/reactor/EffectiveInstances.java
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* /opt/cola/permits/2321875287_1737311318.4857047/0/yang-parser-reactor-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/stmt/reactor/SourceSpecificContext.java
* /opt/cola/permits/2321875287_1737311318.4857047/0/yang-parser-reactor-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/stmt/reactor/StatementDefinitionContext.java

* /opt/cola/permits/2321875287_1737311318.4857047/0/yang-parser-reactor-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/stmt/reactor/AbstractNamespaceStorage.java
*
 /opt/cola/permits/2321875287_1737311318.4857047/0/yang-parser-reactor-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/stmt/reactor/ReactorDeclaredModel.java
* /opt/cola/permits/2321875287_1737311318.4857047/0/yang-parser-reactor-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/stmt/reactor/EffectiveSchemaContext.java
* /opt/cola/permits/2321875287_1737311318.4857047/0/yang-parser-reactor-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/stmt/reactor/StatementContextBase.java
* /opt/cola/permits/2321875287_1737311318.4857047/0/yang-parser-reactor-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/stmt/reactor/NamespaceAccess.java
* /opt/cola/permits/2321875287_1737311318.4857047/0/yang-parser-reactor-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/stmt/reactor/StatementContextWriter.java
* /opt/cola/permits/2321875287_1737311318.4857047/0/yang-parser-reactor-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/stmt/reactor/BuildGlobalContext.java
*
 /opt/cola/permits/2321875287_1737311318.4857047/0/yang-parser-reactor-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/stmt/reactor/CrossSourceStatementReactor.java
* /opt/cola/permits/2321875287_1737311318.4857047/0/yang-parser-reactor-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/stmt/reactor/RootStatementContext.java
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* /opt/cola/permits/2321875287_1737311318.4857047/0/yang-parser-reactor-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/stmt/reactor/ReactorStmtCtx.java
* /opt/cola/permits/2321875287_1737311318.4857047/0/yang-parser-reactor-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/stmt/reactor/AbstractResumedStatement.java
*
 /opt/cola/permits/2321875287_1737311318.4857047/0/yang-parser-reactor-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/stmt/reactor/InferredStatementContext.java
* /opt/cola/permits/2321875287_1737311318.4857047/0/yang-parser-reactor-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/stmt/reactor/ReplicaStatementContext.java
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1.7490 mdsal-eos-binding-api 13.0.6

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* /opt/cola/permits/2321875730_1737311474.0121639/0/mdsal-eos-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/eos/binding/api/EntityOwnershipService.java
* /opt/cola/permits/2321875730_1737311474.0121639/0/mdsal-eos-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/eos/binding/api/Entity.java

1.7491 mdsal-binding-model-api 13.0.6

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* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/package-info.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/type/builder/GeneratedTypeBuilder.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/AnnotationType.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/DefaultType.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/type/builder/GeneratedTOBuilder.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/type/builder/GeneratedPropertyBuilder.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/MethodSignature.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/Enumeration.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/ConcreteType.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/Type.java

* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/GeneratedTransferObject.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/Constant.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/Restrictions.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/type/builder/package-info.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/GeneratedType.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/TypeMember.java
*
/opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/ParameterizedType.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/AccessModifier.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/CodeGenerator.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/type/builder/AnnotationTypeBuilder.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/type/builder/EnumBuilder.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/AbstractType.java
*
/opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/GeneratedProperty.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/type/builder/ConstantBuilder.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/DocumentedType.java
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* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/WildcardType.java
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* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/JavaTypeName.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/YangSourceDefinition.java
* /opt/cola/permits/2321875569_1737311536.3423653/0/mdsal-binding-model-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/model/api/type/builder/AnnotableTypeBuilder.java
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1.7492 security-api 1.16.2

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* /opt/cola/permits/2321875079_1737311240.4031878/0/security-api-1-16-2-sources-jar/org/opendaylight/jsonrpc/security/api/PKCS12Factory.java
* /opt/cola/permits/2321875079_1737311240.4031878/0/security-api-1-16-2-sources-jar/org/opendaylight/jsonrpc/security/api/ChainLengthEnforcingTmf.java
* /opt/cola/permits/2321875079_1737311240.4031878/0/security-api-1-16-2-sources-jar/org/opendaylight/jsonrpc/security/api/AbstractKeyStoreFactory.java
* /opt/cola/permits/2321875079_1737311240.4031878/0/security-api-1-16-2-sources-jar/org/opendaylight/jsonrpc/security/api/ChainLengthEnforcingTrustManager.java
* /opt/cola/permits/2321875079_1737311240.4031878/0/security-api-1-16-2-sources-jar/org/opendaylight/jsonrpc/security/api/JKSFactory.java
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* /opt/cola/permits/2321875079_1737311240.4031878/0/security-api-1-16-2-sources-jar/org/opendaylight/jsonrpc/security/api/SslContextHelper.java
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1.7493 blueprint 9.0.5

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* /opt/cola/permits/2321875760_1737311410.0214138/0/whiteboard-blueprint-9-0-5-sources-jar/org/ops4j/pax/web/extender/samples/whiteboard/internal/WhiteboardFilter.java
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* /opt/cola/permits/2321875760_1737311410.0214138/0/whiteboard-blueprint-9-0-5-sources-jar/org/ops4j/pax/web/extender/samples/whiteboard/internal/WhiteboardServlet.java
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* /opt/cola/permits/2321875760_1737311410.0214138/0/whiteboard-blueprint-9-0-5-sources-jar/welcome.html
* /opt/cola/permits/2321875760_1737311410.0214138/0/whiteboard-blueprint-9-0-5-sources-jar/uncaughtException.html
* /opt/cola/permits/2321875760_1737311410.0214138/0/whiteboard-blueprint-9-0-5-sources-jar/jsp/simple.jsp
* /opt/cola/permits/2321875760_1737311410.0214138/0/whiteboard-blueprint-9-0-5-sources-jar/404.html
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* /opt/cola/permits/2321875760_1737311410.0214138/0/whiteboard-blueprint-9-0-5-sources-jar/org/ops4j/pax/web/extender/samples/whiteboard/internal/WhiteboardContext.java

1.7494 apache-karaf-system-core 4.4.6

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1.7495 restconf-api 7.0.9

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* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/query/package-info.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/ConsumableBody.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/APv1.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/package-info.java
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* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/query/PrettyPrintParam.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/query/DepthParam.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/ApiPathParser.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/MediaTypes.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/query/LeafNodesOnlyParam.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/query/StartTimeParam.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/query/WithDefaultsParam.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/query/RestconfQueryParam.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/Utf8Buffer.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/query/FilterParam.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/query/StopTimeParam.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/query/FieldsParam.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-

jar/org/opendaylight/restconf/api/ApiPath.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/query/SkipNotificationDataParam.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/query/ContentParam.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/query/InsertParam.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/query/AbstractReplayParam.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/query/FieldsParameterParser.java
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* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/QueryParameters.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/HttpStatusCode.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/ErrorMessage.java
* /opt/cola/permits/2321875663_1737311489.085412/0/restconf-api-7-0-9-sources-jar/org/opendaylight/restconf/api/FormattableBody.java

1.7496 rfc6991-ietf-yang-types 13.0.6

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```
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* This module contains a collection of generally useful derived YANG data types.
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*
* <p>
* This class represents the following YANG schema fragment defined in module <b>ietf-yang-types</b>
* <pre>
* module ietf-yang-types {
*   namespace urn:ietf:params:xml:ns:yang:ietf-yang-types;
*   prefix yang;
*   revision 2013-07-15 {
*   }
*   revision 2010-09-24 {
*   }
```

```
*   typedef counter32 {
*
  type uint32;
*   }
*   typedef zero-based-counter32 {
*     type yang:counter32;
*     default 0;
*   }
*   typedef counter64 {
*     type uint64;
*   }
*   typedef zero-based-counter64 {
*     type yang:counter64;
*     default 0;
*   }
*   typedef gauge32 {
*     type uint32;
*   }
*   typedef gauge64 {
*     type uint64;
*   }
*   typedef object-identifier {
*     type string {
*       pattern (([0-1](\.[1-3]?[0-9]))|(2\.(0|([1-9]\d*))))(\.(0|([1-9]\d*)))*;
*     }
*   }
*   typedef object-identifier-128 {
*     type object-identifier {
*       pattern "\d*(\.\d*){1,127}";
*     }
*   }
*   typedef yang-identifier {
*     type string {
*       length 1..max;
*       pattern [a-zA-Z_][a-zA-Z0-9\-_.]*;
*       pattern .|..|[^xX].*|.[^mM].*|..[^lL].*;
*     }
*   }
*   typedef date-and-time {
*     type string {
*       pattern "\d{4}-\d{2}-\d{2}T\d{2}:\d{2}:\d{2}(\.\d+)?(Z|[\+\-]\d{2}:\d{2})";
*     }
*   }
*   typedef timeticks {
*     type
 uint32;
*   }
*   typedef timestamp {
```

```
*     type yang:timeticks;
*   }
*   typedef phys-address {
*     type string {
*       pattern "([0-9a-fA-F]{2}(:[0-9a-fA-F]{2})*)?";
*     }
*   }
*   typedef mac-address {
*     type string {
*       pattern "[0-9a-fA-F]{2}(:[0-9a-fA-F]{2}){5}";
*     }
*   }
*   typedef xpath1.0 {
*     type string;
*   }
*   typedef hex-string {
*     type string {
*       pattern "([0-9a-fA-F]{2}(:[0-9a-fA-F]{2})*)?";
*     }
*   }
*   typedef uuid {
*     type string {
*       pattern "[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}";
*     }
*   }
*   typedef dotted-quad {
*     type string {
*       pattern "(([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])\.){3}([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-
5])";
*     }
*   }
* }
* </pre>
*
*/
```

Found in path(s):
* /opt/cola/permits/2321875581_1737311432.1709704/0/rfc6991-ietf-yang-types-13-0-6-sources-jar/org/opendaylight/yang/gen/v1/urn/ietf/params/xml/ns/yang/ietf/yang/types/rev130715/IetfYangTypesData.java
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1.7497 sal-clustering-commons 9.0.5

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* /opt/cola/permits/2321875394_1737311225.4142478/0/sal-clustering-commons-9-0-5-sources-jar/org/opendaylight/controller/cluster/messaging/SliceOptions.java

* /opt/cola/permits/2321875394_1737311225.4142478/0/sal-clustering-commons-9-0-5-sources-jar/org/opendaylight/controller/cluster/messaging/MessageSliceException.java
* /opt/cola/permits/2321875394_1737311225.4142478/0/sal-clustering-commons-9-0-5-sources-jar/org/opendaylight/controller/cluster/messaging/MessageSliceReply.java
*
 /opt/cola/permits/2321875394_1737311225.4142478/0/sal-clustering-commons-9-0-5-sources-jar/org/opendaylight/controller/cluster/messaging/MessageSlicer.java
* /opt/cola/permits/2321875394_1737311225.4142478/0/sal-clustering-commons-9-0-5-sources-jar/org/opendaylight/controller/cluster/messaging/MessageSlice.java
* /opt/cola/permits/2321875394_1737311225.4142478/0/sal-clustering-commons-9-0-5-sources-jar/org/opendaylight/controller/cluster/messaging/AssemblerSealedException.java
* /opt/cola/permits/2321875394_1737311225.4142478/0/sal-clustering-commons-9-0-5-sources-jar/org/opendaylight/controller/cluster/messaging/MessageSliceIdentifier.java
* /opt/cola/permits/2321875394_1737311225.4142478/0/sal-clustering-commons-9-0-5-sources-jar/org/opendaylight/controller/cluster/messaging/AssembledMessageState.java
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* /opt/cola/permits/2321875394_1737311225.4142478/0/sal-clustering-commons-9-0-5-sources-jar/org/opendaylight/controller/cluster/notifications/RegisterRoleChangeListenerReply.java
* /opt/cola/permits/2321875394_1737311225.4142478/0/sal-clustering-commons-9-0-5-sources-jar/org/opendaylight/controller/cluster/common/actor/AkkaConfigurationReader.java
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* /opt/cola/permits/2321875394_1737311225.4142478/0/sal-clustering-commons-9-0-5-sources-jar/org/opendaylight/controller/cluster/io/ChunkedByteArray.java
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* /opt/cola/permits/2321875394_1737311225.4142478/0/sal-clustering-commons-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/node/utils/transformer/UintAdaptingPruner.java
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/opt/cola/permits/2321875394_1737311225.4142478/0/sal-clustering-commons-9-0-5-sources-jar/org/opendaylight/controller/cluster/io/ChunkedInputStream.java
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* /opt/cola/permits/2321875394_1737311225.4142478/0/sal-clustering-commons-9-0-5-sources-jar/org/opendaylight/controller/cluster/io/PlainInputOutputStreamSupport.java
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* /opt/cola/permits/2321875394_1737311225.4142478/0/sal-clustering-commons-9-0-5-sources-jar/org/opendaylight/controller/cluster/common/actor/Dispatchers.java
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* /opt/cola/permits/2321875394_1737311225.4142478/0/sal-clustering-commons-9-0-5-sources-jar/org/opendaylight/controller/cluster/common/actor/MessageTracker.java
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* /opt/cola/permits/2321875394_1737311225.4142478/0/sal-clustering-commons-9-0-5-sources-jar/org/opendaylight/controller/cluster/common/actor/ExecuteInSelfMessage.java
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1.7500 pax-jdbc-hsqldb 1.5.7

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* /opt/cola/permits/2321874456_1737311389.6695855/0/pax-jdbc-hsqldb-1-5-7-sources-jar/org/ops4j/pax/jdbc/hsqldb/impl/HsqldbDataSourceFactory.java

1.7501 apache-karaf-features-command 4.4.6

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1.7502 aaa-idm-store-h2 0.19.6

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1.7503 transport-zmq 1.16.2

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* /opt/cola/permits/2321875872_1737311823.1499512/0/transport-zmq-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/zmq/PeerContextImpl.java
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* /opt/cola/permits/2321875872_1737311823.1499512/0/transport-zmq-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/zmq/ServerIndication.java
*
/opt/cola/permits/2321875872_1737311823.1499512/0/transport-zmq-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/zmq/SubscriberImpl.java
* /opt/cola/permits/2321875872_1737311823.1499512/0/transport-zmq-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/zmq/ServerHandler.java
* /opt/cola/permits/2321875872_1737311823.1499512/0/transport-zmq-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/zmq/SubscribeMessage.java
* /opt/cola/permits/2321875872_1737311823.1499512/0/transport-zmq-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/zmq/ResponderImpl.java
* /opt/cola/permits/2321875872_1737311823.1499512/0/transport-zmq-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/zmq/PublisherImpl.java
* /opt/cola/permits/2321875872_1737311823.1499512/0/transport-zmq-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/zmq/RequesterImpl.java
* /opt/cola/permits/2321875872_1737311823.1499512/0/transport-zmq-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/zmq/Message.java
*
/opt/cola/permits/2321875872_1737311823.1499512/0/transport-zmq-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/zmq/Signature.java
* /opt/cola/permits/2321875872_1737311823.1499512/0/transport-zmq-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/zmq/Mechanism.java
* /opt/cola/permits/2321875872_1737311823.1499512/0/transport-zmq-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/zmq/Command.java

* /opt/cola/permits/2321875872_1737311823.1499512/0/transport-zmq-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/zmq/HandshakeState.java
* /opt/cola/permits/2321875872_1737311823.1499512/0/transport-zmq-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/zmq/DefaultSignature.java
* /opt/cola/permits/2321875872_1737311823.1499512/0/transport-zmq-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/zmq/MessageDecoder.java
* /opt/cola/permits/2321875872_1737311823.1499512/0/transport-zmq-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/zmq/Util.java
* /opt/cola/permits/2321875872_1737311823.1499512/0/transport-zmq-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/zmq/DefaultMechanism.java
*
 /opt/cola/permits/2321875872_1737311823.1499512/0/transport-zmq-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/zmq/ClientHandler.java
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1.7504 pax-web-undertow-keycloak 8.0.27

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org.ops4j.pax.web.keycloak.undertow.KeycloakAuthenticatorService

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1.7505 pax-logging-api 2.2.7

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* /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/PaxLogger.java
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* /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/spi/PaxLevel.java
* /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/OSGIPaxLoggingManager.java
*
 /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/avalon/AvalonLogger.java
* /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/slf4j/Slf4jMDCAdapter.java
* /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/PaxLoggingManager.java
* /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/juli/JuliLogger.java
* /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/spi/support/PaxAppenderProxy.java
* /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/spi/PaxLayout.java
* /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/slf4j/Slf4jLoggerFactory.java
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 /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/spi/PaxLocationInfo.java
* /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/slf4j/Slf4jLogger.java
* /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/spi/PaxAppender.java
* /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/internal/JdkHandler.java
* /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/avalon/AvalonLogFactory.java
* /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/internal/TrackingLogger.java
* /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/spi/PaxLoggingEvent.java
* /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/spi/support/BufferingLog.java
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* /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/spi/support/EventAdminConfigurationNotifier.java
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* /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/spi/support/BackendSupport.java
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* /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/spi/support/LogReaderServiceImpl.java
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/opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/ops4j/pax/logging/spi/support/FileServiceLog.java
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* /opt/cola/permits/2321875313_1737311764.2659473/0/pax-logging-api-2-2-7-sources-jar/org/apache/logging/log4j/LogManager.java
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#

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org.ops4j.pax.logging.slf4j.PaxLoggingSLF4JServiceProvider

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org.apache.logging.log4j.util.PaxPropertySource

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* /opt/cola/permits/2321874538_1737311354.78728/0/mdsal-dom-api-13-0-6-sources-jar/org/opendaylight/mdsal/dom/api/query/DOMQueryLike.java
* /opt/cola/permits/2321874538_1737311354.78728/0/mdsal-dom-api-13-0-6-sources-jar/org/opendaylight/mdsal/dom/api/query/DOMQuery.java
* /opt/cola/permits/2321874538_1737311354.78728/0/mdsal-dom-api-13-0-6-sources-jar/org/opendaylight/mdsal/dom/api/query/DOMQueryPredicate.java
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 /opt/cola/permits/2321874538_1737311354.78728/0/mdsal-dom-api-13-0-6-sources-jar/org/opendaylight/mdsal/dom/api/DOMDataTreeQueryReadWriteTransaction.java
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* /opt/cola/permits/2321874538_1737311354.78728/0/mdsal-dom-api-13-0-6-sources-jar/org/opendaylight/mdsal/dom/api/query/DOMQueryResult.java
* /opt/cola/permits/2321874538_1737311354.78728/0/mdsal-dom-api-13-0-6-sources-jar/org/opendaylight/mdsal/dom/api/DOMDataTreeQueryReadTransaction.java

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jar/org/opendaylight/mdsal/dom/api/DOMDataTreeChangeListener.java
* /opt/cola/permits/2321874538_1737311354.78728/0/mdsal-dom-api-13-0-6-sources-
jar/org/opendaylight/mdsal/dom/api/DOMNotificationPublishDemandExtension.java
* /opt/cola/permits/2321874538_1737311354.78728/0/mdsal-dom-api-13-0-6-sources-
jar/org/opendaylight/mdsal/dom/api/DOMEvent.java
* /opt/cola/permits/2321874538_1737311354.78728/0/mdsal-dom-api-13-0-6-sources-
jar/org/opendaylight/mdsal/dom/api/DOMRpcResult.java
* /opt/cola/permits/2321874538_1737311354.78728/0/mdsal-dom-api-13-0-6-sources-
jar/org/opendaylight/mdsal/dom/api/DOMRpcAvailabilityListener.java
*
 /opt/cola/permits/2321874538_1737311354.78728/0/mdsal-dom-api-13-0-6-sources-
jar/org/opendaylight/mdsal/dom/api/DOMDataTreeCandidate.java
* /opt/cola/permits/2321874538_1737311354.78728/0/mdsal-dom-api-13-0-6-sources-
jar/org/opendaylight/mdsal/dom/api/DOMRpcImplementationNotAvailableException.java
* /opt/cola/permits/2321874538_1737311354.78728/0/mdsal-dom-api-13-0-6-sources-

jar/org/opendaylight/mdsal/dom/api/DOMRpcIdentifier.java
* /opt/cola/permits/2321874538_1737311354.78728/0/mdsal-dom-api-13-0-6-sources-jar/org/opendaylight/mdsal/dom/api/DOMRpcService.java
* /opt/cola/permits/2321874538_1737311354.78728/0/mdsal-dom-api-13-0-6-sources-jar/org/opendaylight/mdsal/dom/api/DOMRpcProviderService.java
* /opt/cola/permits/2321874538_1737311354.78728/0/mdsal-dom-api-13-0-6-sources-jar/org/opendaylight/mdsal/dom/api/DOMRpcImplementation.java
* /opt/cola/permits/2321874538_1737311354.78728/0/mdsal-dom-api-13-0-6-sources-jar/org/opendaylight/mdsal/dom/api/DOMNotificationRejectedException.java
* /opt/cola/permits/2321874538_1737311354.78728/0/mdsal-dom-api-13-0-6-sources-jar/org/opendaylight/mdsal/dom/api/DOMDataTreeCommitCohort.java
* /opt/cola/permits/2321874538_1737311354.78728/0/mdsal-dom-api-13-0-6-sources-jar/org/opendaylight/mdsal/dom/api/DOMRpcException.java

1.7507 apache-karaf-maven-core 4.4.6

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1.7508 apache-karaf-jaas-config 4.4.6

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* /opt/cola/permits/2321875828_1737311293.0151021/0/aaa-password-service-api-0-19-6-sources-

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* /opt/cola/permits/2321875103_1737311452.4852395/0/yang-data-impl-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/impl/codec/DeserializationException.java
* /opt/cola/permits/2321875103_1737311452.4852395/0/yang-data-impl-13-0-7-sources-

jar/org/opendaylight/yangtools/yang/data/impl/codec/ValueWithQName.java
* /opt/cola/permits/2321875103_1737311452.4852395/0/yang-data-impl-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/impl/schema/ImmutableNodes.java
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* /opt/cola/permits/2321875103_1737311452.4852395/0/yang-data-impl-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/impl/codec/Uint16StringCodec.java
* /opt/cola/permits/2321875103_1737311452.4852395/0/yang-data-impl-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/impl/codec/Int16StringCodec.java
* /opt/cola/permits/2321875103_1737311452.4852395/0/yang-data-impl-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/impl/codec/DecimalStringCodec.java
* /opt/cola/permits/2321875103_1737311452.4852395/0/yang-data-impl-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/impl/codec/BinaryStringCodec.java
* /opt/cola/permits/2321875103_1737311452.4852395/0/yang-data-impl-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/impl/schema/ResultAlreadySetException.java
* /opt/cola/permits/2321875103_1737311452.4852395/0/yang-data-impl-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/impl/codec/BooleanStringCodec.java
* /opt/cola/permits/2321875103_1737311452.4852395/0/yang-data-impl-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/impl/codec/EmptyStringCodec.java
* /opt/cola/permits/2321875103_1737311452.4852395/0/yang-data-impl-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/impl/codec/EnumStringCodec.java

* /opt/cola/permits/2321875103_1737311452.4852395/0/yang-data-impl-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/impl/codec/Uint32StringCodec.java
* /opt/cola/permits/2321875103_1737311452.4852395/0/yang-data-impl-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/impl/codec/CompiledPatternContext.java
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1.7512 apache-karaf-shell-core 4.4.6

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1.7513 rfc6991-ietf-inet-types 13.0.6

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* This module contains a collection of generally useful derived YANG data types
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*
* <p>
* This class represents the following YANG schema fragment defined in module <b>ietf-inet-types</b>
* <pre>
* module ietf-inet-types {
*   namespace urn:ietf:params:xml:ns:yang:ietf-inet-types;
*   prefix inet;
*   revision 2013-07-15 {
*   }
*   revision
 2010-09-24 {
*   }
*   typedef ip-version {
*     type enumeration {
*       enum unknown {
*         value 0;
*       }
*       enum ipv4 {
*         value 1;
*       }
*       enum ipv6 {
*         value 2;
*       }
*     }
*   }
*   typedef dscp {
*     type uint8 {
*       range 0..63;
*     }
*   }
*   typedef ipv6-flow-label {
*     type uint32 {
*       range 0..1048575;
*     }
*   }
*   typedef port-number {
*     type uint16 {
*       range 0..65535;
*     }
*   }
*   typedef as-number {
*     type uint32;
```

```
*   }
*   typedef ip-address {
*     type union {
*       type inet:ipv4-address;
*       type inet:ipv6-address;
*     }
*   }
*   typedef ipv4-address {
*     type string {
*       pattern "(([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])\.){3}([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-
5])(%[\p{N}\p{L}]+)?";
*     }
*   }
*   typedef ipv6-address {
*     type string {
*       pattern "((:|[0-9a-fA-F]{0,4}):)([0-9a-fA-F]{0,4}:){0,5}(((([0-9a-fA-F]{0,4}:)?(:|[0-9a-fA-F]{0,4}))|(((25[0-
5]|2[0-4][0-9]|[01]?[0-9]?[0-9])\.){3}(25[0-5]|2[0-4][0-9]|[01]?[0-9]?[0-9])))(%[\p{N}\p{L}]+)?";
 *       pattern "(([^:]+:){6}(([^:]+:[^:]+)|(.*\..*)))|((([^:]+:)*[^:]+)?::(([^:]+:)*[^:]+)?)(%.+)?";
*     }
*   }
*   typedef ip-address-no-zone {
*     type union {
*       type inet:ipv4-address-no-zone;
*       type inet:ipv6-address-no-zone;
*     }
*   }
*   typedef ipv4-address-no-zone {
*     type inet:ipv4-address {
*       pattern [0-9\.]*;
*     }
*   }
*   typedef ipv6-address-no-zone {
*     type inet:ipv6-address {
*       pattern [0-9a-fA-F:\.]*;
*     }
*   }
*   typedef ip-prefix {
*     type union {
*       type inet:ipv4-prefix;
*       type inet:ipv6-prefix;
*     }
*   }
*   typedef ipv4-prefix {
*     type string {
*       pattern "(([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])\.){3}([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-
5])/(([0-9])|([1-2][0-9])|(3[0-2]))";
 *     }
*   }
```

```
*   typedef ipv6-prefix {
*     type string {
*       pattern "((:|[0-9a-fA-F]{0,4}):)([0-9a-fA-F]{0,4}:){0,5}(((([0-9a-fA-F]{0,4}:)?(:|[0-9a-fA-F]{0,4}))|(((25[0-
5]|2[0-4][0-9]|[01]?[0-9]?[0-9])\.){3}(25[0-5]|2[0-4][0-9]|[01]?[0-9]?[0-9])))(/(([0-9])|([0-9]{2})|(1[0-1][0-9])|(12[0-
8])))";
*       pattern "(([^:]+:){6}(([^:]+:[^:]+)|(.*\..*)))|((([^:]+:)*[^:]+)?::(([^:]+:)*[^:]+)?)(/.+)";
*     }
*   }
*   typedef domain-name {
*     type string {
*       pattern "((([a-zA-Z0-9_]([a-zA-Z0-9\-_]){0,61})?[a-zA-Z0-9]\.)*([a-zA-Z0-9_]([a-zA-Z0-9\-_]){0,61})?[a-
zA-Z0-9]\.?)|\.";
*       length 1..253;
*     }
*   }
*   typedef host {
*     type union {
*       type inet:ip-address;
*       type inet:domain-name;
*     }
*   }
*   typedef uri {
*     type string;
*   }
* }
* </pre>
*
*/
```

Found in path(s):
* /opt/cola/permits/2321875513_1737311831.1402552/0/rfc6991-ietf-inet-types-13-0-6-sources-jar/org/opendaylight/yang/gen/v1/urn/ietf/params/xml/ns/yang/ietf/inet/types/rev130715/IetfInetTypesData.java
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* /opt/cola/permits/2321875513_1737311831.1402552/0/rfc6991-ietf-inet-types-13-0-6-sources-jar/META-INF/maven/org.opendaylight.mdsal.binding.model.ietf/rfc6991-ietf-inet-types/pom.xml
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public DomainName getDomainName() {

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public DomainName(String _value) {
public DomainName(DomainName source) {

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* /opt/cola/permits/2321875513_1737311831.1402552/0/rfc6991-ietf-inet-types-13-0-6-sources-jar/org/opendaylight/yang/gen/v1/urn/ietf/params/xml/ns/yang/ietf/inet/types/rev130715/DomainName.java

1.7514 yang-parser-api 13.0.7

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* /opt/cola/permits/2321875575_1737311549.8485157/0/yang-parser-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/api/YangLibResolver.java
* /opt/cola/permits/2321875575_1737311549.8485157/0/yang-parser-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/api/YangLibModule.java
* /opt/cola/permits/2321875575_1737311549.8485157/0/yang-parser-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/api/YangLibSubmodule.java
* /opt/cola/permits/2321875575_1737311549.8485157/0/yang-parser-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/api/YangLibModuleSet.java
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* /opt/cola/permits/2321875575_1737311549.8485157/0/yang-parser-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/api/YangParserConfiguration.java
* /opt/cola/permits/2321875575_1737311549.8485157/0/yang-parser-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/api/package-info.java
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* /opt/cola/permits/2321875575_1737311549.8485157/0/yang-parser-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/api/YangParserFactory.java
* /opt/cola/permits/2321875575_1737311549.8485157/0/yang-parser-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/parser/api/YangParser.java

1.7515 rfc6241-model-api 13.0.7

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* /opt/cola/permits/2321875804_1737311819.275021/0/rfc6241-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6241/model/api/GetFilterElementAttributesSchemaNode.java
* /opt/cola/permits/2321875804_1737311819.275021/0/rfc6241-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6241/model/api/GetFilterElementAttributesEffectiveStatement.java
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* /opt/cola/permits/2321875804_1737311819.275021/0/rfc6241-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6241/model/api/NetconfConstants.java

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1.7516 apache-karaf-diagnostic-core 4.4.6

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1.7517 pax-jdbc-pool-narayana 1.5.7

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* /opt/cola/permits/2321874329_1737311541.997279/0/pax-jdbc-pool-narayana-1-5-7-sources-jar/org/ops4j/pax/jdbc/pool/narayana/impl/Activator.java
* /opt/cola/permits/2321874329_1737311541.997279/0/pax-jdbc-pool-narayana-1-5-7-sources-jar/org/ops4j/pax/jdbc/pool/narayana/impl/DbcpXAPooledDataSourceFactory.java

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1.7518 apache-karaf-webconsole-instance 4.4.6

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1.7519 apache-karaf-webconsole-gogo 4.4.6

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* /opt/cola/permits/2321875128_1737311801.0576377/0/sal-remoterpc-connector-9-0-5-sources-jar/org/opendaylight/controller/remote/rpc/OpsInvoker.java
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* /opt/cola/permits/2321875128_1737311801.0576377/0/sal-remoterpc-connector-9-0-5-sources-jar/org/opendaylight/controller/remote/rpc/RemoteOpsProviderConfig.java
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1.7521 mdsal-binding-dom-codec-osgi 13.0.6

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1.7522 jersey-common 2.44

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* /opt/cola/permits/2321875364_1737311437.366571/0/mdsal-binding-dom-codec-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/impl/NonCachingCodec.java
* /opt/cola/permits/2321875364_1737311437.366571/0/mdsal-binding-dom-codec-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/impl/IdentityCodec.java
* /opt/cola/permits/2321875364_1737311437.366571/0/mdsal-binding-dom-codec-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/impl/NotificationCodecContext.java
* /opt/cola/permits/2321875364_1737311437.366571/0/mdsal-binding-dom-codec-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/impl/InstanceIdentifierCodec.java
* /opt/cola/permits/2321875364_1737311437.366571/0/mdsal-binding-dom-codec-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/impl/CachingNormalizedNodeSerializer.java
* /opt/cola/permits/2321875364_1737311437.366571/0/mdsal-binding-dom-codec-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/impl/ForwardingBindingStreamEventWriter.java
* /opt/cola/permits/2321875364_1737311437.366571/0/mdsal-binding-dom-codec-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/impl/AbstractBindingNormalizedNodeCacheHolder.java
* /opt/cola/permits/2321875364_1737311437.366571/0/mdsal-binding-dom-codec-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/impl/CachingNormalizedNodeCodec.java
* /opt/cola/permits/2321875364_1737311437.366571/0/mdsal-binding-dom-codec-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/impl/DataObjectNormalizedNodeCache.java
* /opt/cola/permits/2321875364_1737311437.366571/0/mdsal-binding-dom-codec-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/impl/NormalizedNodeWriterWithAddChild.java
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* /opt/cola/permits/2321875364_1737311437.366571/0/mdsal-binding-dom-codec-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/impl/LazyBindingMapIterState.java
* /opt/cola/permits/2321875364_1737311437.366571/0/mdsal-binding-dom-codec-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/impl/SimpleBindingDOMCodecFactory.java
* /opt/cola/permits/2321875364_1737311437.366571/0/mdsal-binding-dom-codec-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/impl/LazyBindingMap.java
* /opt/cola/permits/2321875364_1737311437.366571/0/mdsal-binding-dom-codec-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/impl/LazyBindingList.java
* /opt/cola/permits/2321875364_1737311437.366571/0/mdsal-binding-dom-codec-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/impl/LazyBindingMapLookupState.java
* /opt/cola/permits/2321875364_1737311437.366571/0/mdsal-binding-dom-codec-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/impl/SimpleBindingCodecTreeFactory.java

1.7525 pax-jdbc-sqlite 1.5.7

1.7525.1 Available under license :

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Found in path(s):
* /opt/cola/permits/2321875186_1737311715.9456534/0/pax-jdbc-sqlite-1-5-7-sources-jar/org/ops4j/pax/jdbc/sqlite/impl/Activator.java
* /opt/cola/permits/2321875186_1737311715.9456534/0/pax-jdbc-sqlite-1-5-7-sources-jar/org/ops4j/pax/jdbc/sqlite/impl/SqliteDataSourceFactory.java
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Found in path(s):
* /opt/cola/permits/2321875186_1737311715.9456534/0/pax-jdbc-sqlite-1-5-7-sources-jar/META-INF/maven/org.ops4j.pax.jdbc/pax-jdbc-sqlite/pom.xml

1.7526 bus-spi 1.16.2

1.7526.1 Available under license :

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Found in path(s):
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/SCREventLoopGroup.java
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/SCRIntegration.java
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/SCREventExecutorGroup.java
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* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/SslSessionListener.java
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/SslSessionInfo.java
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Found in path(s):
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/DiscardingMessageListener.java
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/AbstractServerSession.java
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/ConnectionState.java
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/DefaultEventLoopConfiguration.java
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/AbstractReconnectingClient.java
*
 /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/AbstractBusSessionFactory.java
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/AbstractServerChannelInitializer.java
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/EventLoopConfiguration.java
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/ChannelGroupHandler.java
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/AbstractPeerContext.java
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/ThreadFactoryProvider.java
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/ReconnectStrategies.java
*

/opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/EventLoopGroupProvider.java
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/ReconnectStrategy.java
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/CommonConstants.java
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/ChannelAuthentication.java
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/AbstractChannelInitializer.java
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/AbstractMessageListenerAdapter.java
* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/spi/AbstractSession.java
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* /opt/cola/permits/2321875388_1737311607.3783689/0/bus-spi-1-16-2-sources-jar/META-INF/maven/org.opendaylight.jsonrpc.bus/bus-spi/pom.xml

1.7527 ietf-type-util 13.0.6

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* /opt/cola/permits/2321875065_1737311386.183367/0/ietf-type-util-13-0-6-sources-jar/META-INF/maven/org.opendaylight.mdsal.model/ietf-type-util/pom.xml
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*/
/**
* IPv6 address parsing for {@code ietf-inet-types} ipv6-address and ipv6-prefix. This is an internal implementation
* class, not meant to be used directly in any shape or form to the outside world, as the code relies on the fact that
* the strings presented to it have been previously validated to conform to the regular expressions defined in the
YANG
* model.
*
* <p>
* IPv6 routines added by Anton Ivanov on 14.6.2015, revised by Robert Varga
*
* <p>
* <b>BIG FAT WARNING!!!</b>
* Read all of the following before you touch any v6 code or decide to optimize it by invoking a "simple" Guava call.
 *
* <p>
* Java IPv6 is fundamentally broken and Google libraries do not fix it.
* <ol>
*   <li>Java will always implicitly rewrite v4 mapped into v6 as a v4 address and there is absolutely no way to
*       override this behaviour</li>
*   <li>Guava libraries cannot parse non-canonical IPv6. They will throw an exception. Even if they did, they re-use
*       the same broken java code underneath</li>
* </ol>
* This is why we have to parse v6 by ourselves.
*
* <p>
* The following conversion code is based on inet_cidr_pton_ipv6 in NetBSD.
*
* <p>
* The original BSD code is licensed under standard BSD license. While we are not obliged to provide an attribution,
* credit where credit is due. As far as why it is similar to Sun's sun.net.util please ask Sun why their code has the
* same variable names, comments and code flow.
*/
```

Found in path(s):
* /opt/cola/permits/2321875065_1737311386.183367/0/ietf-type-util-13-0-6-sources-jar/org/opendaylight/mdsal/model/ietf/type/util/Ipv6Utils.java
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Found in path(s):
* /opt/cola/permits/2321875065_1737311386.183367/0/ietf-type-util-13-0-6-sources-jar/module-info.java
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Found in path(s):
* /opt/cola/permits/2321875065_1737311386.183367/0/ietf-type-util-13-0-6-sources-jar/org/opendaylight/mdsal/model/ietf/type/util/Ipv4Utils.java

1.7528 rfc8040-ietf-restconf-monitoring 7.0.9

1.7528.1 Available under license :

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```
module ietf-restconf-monitoring {
   namespace "urn:ietf:params:xml:ns:yang:ietf-restconf-monitoring";
   prefix "rcmon";

   import ietf-yang-types { prefix yang; }
   import ietf-inet-types { prefix inet; }

   organization
     "IETF NETCONF (Network Configuration) Working Group";

   contact
     "WG Web:   <https://datatracker.ietf.org/wg/netconf/>
      WG List:  <mailto:netconf@ietf.org>

      Author:   Andy Bierman
                <mailto:andy@yumaworks.com>

      Author:   Martin Bjorklund
                <mailto:mbj@tail-f.com>

      Author:   Kent Watsen
                <mailto:kwatsen@juniper.net>";
```

```
  description
    "This module contains monitoring information for the
     RESTCONF protocol.

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     authors of the code.  All rights reserved.

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     Relating to IETF Documents
     (http://trustee.ietf.org/license-info).

     This version of this YANG module is part of RFC 8040; see
     the RFC itself for full legal notices.";

  revision 2017-01-26 {
    description
      "Initial revision.";
    reference
      "RFC 8040: RESTCONF Protocol.";
  }

  container restconf-state {
    config false;
    description
      "Contains RESTCONF protocol monitoring information.";

    container capabilities {
      description
        "Contains a list of protocol capability URIs.";

      leaf-list capability {
        type inet:uri;
        description
          "A RESTCONF protocol capability URI.";
      }
    }

    container streams {

   description
        "Container representing the notification event streams
         supported by the server.";
       reference
```

```
    "RFC 5277, Section 3.4, <streams> element.";

  list stream {
    key name;
    description
      "Each entry describes an event stream supported by
       the server.";

    leaf name {
      type string;
      description
        "The stream name.";
      reference
        "RFC 5277, Section 3.4, <name> element.";
    }

    leaf description {
      type string;
      description
        "Description of stream content.";
      reference
        "RFC 5277, Section 3.4, <description> element.";
    }

    leaf replay-support {
      type boolean;
      default false;
      description
        "Indicates if replay buffer is supported for this stream.
         If 'true',
then the server MUST support the 'start-time'
         and 'stop-time' query parameters for this stream.";
      reference
        "RFC 5277, Section 3.4, <replaySupport> element.";
    }

    leaf replay-log-creation-time {
      when "../replay-support" {
        description
          "Only present if notification replay is supported.";
      }
      type yang:date-and-time;
      description
        "Indicates the time the replay log for this stream
         was created.";
      reference
        "RFC 5277, Section 3.4, <replayLogCreationTime>
         element.";
```

```
        }

        list access {
          key encoding;
          min-elements 1;
          description
            "The server will create an entry in this list for each
             encoding format that is supported for this stream.
             The media type 'text/event-stream' is
expected
             for all event streams.  This list identifies the
             subtypes supported for this stream.";

          leaf encoding {
            type string;
            description
              "This is the secondary encoding format within the
               'text/event-stream' encoding used by all streams.
               The type 'xml' is supported for XML encoding.
               The type 'json' is supported for JSON encoding.";
          }

          leaf location {
            type inet:uri;
            mandatory true;
            description
              "Contains a URL that represents the entry point
               for establishing notification delivery via
               server-sent events.";
          }
        }
      }
    }
  }
}
```

Found in path(s):
* /opt/cola/permits/2321874799_1737311441.4052837/0/rfc8040-ietf-restconf-monitoring-7-0-9-sources-jar/META-INF/yang/ietf-restconf-monitoring@2017-01-26.yang
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```
/**
* This module contains monitoring information for the RESTCONF protocol.
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```

```
* (http://trustee.ietf.org/license-info). This version of this YANG module is
* of RFC 8040; see the RFC itself for full legal notices.
*
* <p>
* This class represents the following YANG schema fragment defined in module <b>ietf-restconf-monitoring</b>
* <pre>
* module ietf-restconf-monitoring {
*   namespace urn:ietf:params:xml:ns:yang:ietf-restconf-monitoring;
*   prefix rcmon;
*   import ietf-yang-types {
*     prefix yang;
*   }
*   import ietf-inet-types
 {
*     prefix inet;
*   }
*   revision 2017-01-26 {
*   }
*   container restconf-state {
*     config false;
*     container capabilities {
*       leaf-list capability {
*         type inet:uri;
*       }
*     }
*     container streams {
*       list stream {
*         key name;
*         leaf name {
*           type string;
*         }
*         leaf description {
*           type string;
*         }
*         leaf replay-support {
*           type boolean;
*           default false;
*         }
*         leaf replay-log-creation-time {
*           when ../replay-support {
*           }
*           type yang:date-and-time;
*         }
*         list access {
*           key encoding;
*           min-elements 1;
*           leaf encoding {
*             type string;
```

```
*          }
*          leaf location {
*            type inet:uri;
*          }
*        }
*      }
*    }
*  }
* }
* </pre>
*
*/
```

Found in path(s):
* /opt/cola/permits/2321874799_1737311441.4052837/0/rfc8040-ietf-restconf-monitoring-7-0-9-sources-jar/org/opendaylight/yang/gen/v1/urn/ietf/params/xml/ns/yang/ietf/restconf/monitoring/rev170126/IetfRestconfMonitoringData.java
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```

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1.7529 yang-repo-api 13.0.7

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```

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* /opt/cola/permits/2321875205_1737311331.5054393/0/yang-repo-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/repo/api/SchemaSourceFilter.java

* /opt/cola/permits/2321875205_1737311331.5054393/0/yang-repo-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/repo/api/MissingSchemaSourceException.java
* /opt/cola/permits/2321875205_1737311331.5054393/0/yang-repo-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/repo/api/SchemaSourceException.java
* /opt/cola/permits/2321875205_1737311331.5054393/0/yang-repo-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/repo/api/SchemaRepository.java
*
 /opt/cola/permits/2321875205_1737311331.5054393/0/yang-repo-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/repo/api/SchemaResolutionException.java
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1.7530 pax-jdbc-pool-transx 1.5.7

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* /opt/cola/permits/2321875798_1737311787.588575/0/pax-jdbc-pool-transx-1-5-7-sources-jar/org/ops4j/pax/jdbc/pool/transx/impl/TransxXaPooledDataSourceFactory.java

1.7531 apache-karaf-diagnostic-boot 4.4.6

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1.7534 rfc5277 7.0.9

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* /opt/cola/permits/2321874835_1737311380.603062/0/rfc5277-7-0-9-sources-jar/META-INF/maven/org.opendaylight.netconf.model/rfc5277/pom.xml

1.7535 rfc8040 13.0.6

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```
/**
* This module contains conceptual YANG specifications for basic RESTCONF media
* type definitions used in RESTCONF protocol messages. Note that the YANG
* definitions within this module do not represent configuration data of any kind.
* The 'restconf-media-type' YANG extension statement provides a normative syntax
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* This version of this YANG module is part of RFC 8040; see the RFC itself for
* full legal notices.
*
* <p>
* This class represents
 the following YANG schema fragment defined in module <b>ietf-restconf</b>
* <pre>
* module ietf-restconf {
```

```
*   yang-version 1.1;
*   namespace urn:ietf:params:xml:ns:yang:ietf-restconf;
*   prefix rc;
*   revision 2017-01-26 {
*   }
*   extension yang-data {
*     argument name {
*       yin-element true;
*     }
*   }
*   rc:yang-data yang-errors {
*     uses errors;
*   }
*   rc:yang-data yang-api {
*     uses restconf;
*   }
*   grouping errors {
*     container errors {
*       list error {
*         leaf error-type {
*           type enumeration {
*             enum transport {
*             }
*             enum rpc {
*             }
*             enum protocol {
*             }
*             enum application {
*             }
*           }
*         }
*         leaf error-tag {
*           type string;
*         }
*         leaf error-app-tag {
*           type string;
*         }
*         leaf error-path {
*           type instance-identifier;
 *         }
*         leaf error-message {
*           type string;
*         }
*         anydata error-info {
*         }
*       }
*     }
*   }
```

```
*   grouping restconf {
*     container restconf {
*       container data {
*       }
*       container operations {
*       }
*       leaf yang-library-version {
*         type string {
*           pattern "\d{4}-\d{2}-\d{2}";
*         }
*         config false;
*       }
*     }
*   }
* }
* </pre>
*
*/
```

Found in path(s):
* /opt/cola/permits/2321875433_1737311785.7816517/0/rfc8040-13-0-6-sources-jar/org/opendaylight/yang/gen/v1/urn/ietf/params/xml/ns/yang/ietf/restconf/rev170126/IetfRestconfData.java
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```
module ietf-restconf {
 yang-version 1.1;
 namespace "urn:ietf:params:xml:ns:yang:ietf-restconf";
 prefix "rc";

 organization
   "IETF NETCONF (Network Configuration) Working Group";

 contact
   "WG Web:   <https://datatracker.ietf.org/wg/netconf/>
    WG List:  <mailto:netconf@ietf.org>

    Author:   Andy Bierman
              <mailto:andy@yumaworks.com>

    Author:   Martin Bjorklund
              <mailto:mbj@tail-f.com>

    Author:   Kent Watsen
              <mailto:kwatsen@juniper.net>";

 description
   "This module contains conceptual YANG specifications
    for basic RESTCONF media type definitions used in
```

```
   RESTCONF protocol messages.

   Note that the YANG definitions within this module do not
   represent configuration data of any kind.
   The 'restconf-media-type' YANG extension statement
   provides a normative syntax for XML and JSON
   message-encoding purposes.


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   the RFC itself for full legal notices.";

revision 2017-01-26 {
  description
    "Initial revision.";
  reference
    "RFC 8040: RESTCONF Protocol.";
}

extension yang-data {
  argument name {
    yin-element true;
  }
  description
    "This extension is used to specify a YANG data template that
     represents conceptual data defined in YANG.  It is
     intended to describe hierarchical data independent of
     protocol context or specific message-encoding
format.
     Data definition statements within a yang-data extension
     specify the generic syntax for the specific YANG data
     template, whose name is the argument of the 'yang-data'
     extension statement.

     Note that this extension does not define a media type.
     A specification using this extension MUST specify the
     message-encoding rules, including the content media type.
```

```
    The mandatory 'name' parameter value identifies the YANG
    data template that is being defined.  It contains the
    template name.

    This extension is ignored unless it appears as a top-level
    statement.  It MUST contain data definition statements
    that result in exactly one container data node definition.
    An instance of a YANG data template can thus be translated
    into an XML instance document, whose top-level element
    corresponds to the top-level container.
    The module name and namespace values for the YANG
module using
    the extension statement are assigned to instance document data
    conforming to the data definition statements within
    this extension.

    The substatements of this extension MUST follow the
    'data-def-stmt' rule in the YANG ABNF.

    The XPath document root is the extension statement itself,
    such that the child nodes of the document root are
    represented by the data-def-stmt substatements within
    this extension.  This conceptual document is the context
    for the following YANG statements:

      - must-stmt
      - when-stmt
      - path-stmt
      - min-elements-stmt
      - max-elements-stmt
      - mandatory-stmt
      - unique-stmt
      - ordered-by
      - instance-identifier data type

    The following data-def-stmt substatements are constrained
    when used within a 'yang-data' extension statement.

      - The list-stmt is not required to have a key-stmt defined.

  - The if-feature-stmt is ignored if present.
      - The config-stmt is ignored if present.
      - The available identity values for any 'identityref'
        leaf or leaf-list nodes are limited to the module
        containing this extension statement and the modules
        imported into that module.
    ";
}
```

```
rc:yang-data yang-errors {
  uses errors;
}

rc:yang-data yang-api {
  uses restconf;
}

grouping errors {
  description
    "A grouping that contains a YANG container
     representing the syntax and semantics of a
     YANG Patch error report within a response message.";

  container errors {
    description
      "Represents an error report returned by the server if
       a request results in an error.";

    list error {
      description
        "An entry containing information about one
         specific error that occurred while processing
         a RESTCONF request.";
      reference
        "RFC 6241,
Section 4.3.";

      leaf error-type {
        type enumeration {
          enum transport {
            description
              "The transport layer.";
          }
          enum rpc {
            description
              "The rpc or notification layer.";
          }
          enum protocol {
            description
              "The protocol operation layer.";
          }
          enum application {
            description
              "The server application layer.";
          }
        }
```

```
      mandatory true;
      description
        "The protocol layer where the error occurred.";
    }

    leaf error-tag {
      type string;
      mandatory true;
      description
        "The enumerated error-tag.";
    }

    leaf error-app-tag {
      type string;
      description
        "The application-specific error-tag.";
    }

    leaf error-path {
      type instance-identifier;
       description
        "The YANG instance identifier associated
         with the error node.";
    }

    leaf error-message {
      type string;
      description
        "A message describing the error.";
    }

    anydata error-info {
       description
         "This anydata value MUST represent a container with
          zero or more data nodes representing additional
          error information.";
    }
  }
 }
}

grouping restconf {
  description
    "Conceptual grouping representing the RESTCONF
     root resource.";

  container restconf {
    description
```

```
      "Conceptual container representing the RESTCONF
       root resource.";

    container data {
      description
        "Container representing the datastore resource.
         Represents the conceptual root of all state data
         and configuration data supported by the server.
         The child nodes of this
container can be any data
         resources that are defined as top-level data nodes
         from the YANG modules advertised by the server in
         the 'ietf-yang-library' module.";
    }

    container operations {
      description
        "Container for all operation resources.

         Each resource is represented as an empty leaf with the
         name of the RPC operation from the YANG 'rpc' statement.

         For example, the 'system-restart' RPC operation defined
         in the 'ietf-system' module would be represented as
         an empty leaf in the 'ietf-system' namespace.  This is
         a conceptual leaf and will not actually be found in
         the module:

           module ietf-system {
             leaf system-reset {
               type empty;
             }
           }

         To invoke the 'system-restart' RPC operation:

           POST /restconf/operations/ietf-system:system-restart

         To discover
the RPC operations supported by the server:

           GET /restconf/operations

         In XML, the YANG module namespace identifies the module:

           <system-restart
             xmlns='urn:ietf:params:xml:ns:yang:ietf-system'/>
```

```
        In JSON, the YANG module name identifies the module:

          { 'ietf-system:system-restart' : [null] }
        ";
    }
    leaf yang-library-version {
      type string {
        pattern '\d{4}-\d{2}-\d{2}';
      }
      config false;
      mandatory true;
      description
        "Identifies the revision date of the 'ietf-yang-library'
         module that is implemented by this RESTCONF server.
         Indicates the year, month, and day in YYYY-MM-DD
         numeric format.";
    }
  }
 }

}
```

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* /opt/cola/permits/2321875433_1737311785.7816517/0/rfc8040-13-0-6-sources-jar/META-INF/yang/ietf-restconf@2017-01-26.yang
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1.7536 yang-data-transform 13.0.7

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* /opt/cola/permits/2321874780_1737311251.7664313/0/yang-data-transform-13-0-7-sources-jar/org/opendaylight/yangtools/transform/QNameReplacementFunction.java
* /opt/cola/permits/2321874780_1737311251.7664313/0/yang-data-transform-13-0-7-sources-jar/org/opendaylight/yangtools/transform/QNameTransformingStreamWriter.java
* /opt/cola/permits/2321874780_1737311251.7664313/0/yang-data-transform-13-0-7-sources-jar/org/opendaylight/yangtools/transform/QNameModuleReplacementFunction.java
* /opt/cola/permits/2321874780_1737311251.7664313/0/yang-data-transform-13-0-7-sources-jar/org/opendaylight/yangtools/transform/NormalizedNodeTransformations.java
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1.7537 netconf-api 7.0.9

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* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/EffectiveOperation.java
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* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/xml/XmlElement.java
* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/xml/XmlUtil.java
* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/messages/NotificationMessage.java
* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/DocumentedException.java
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* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/NetconfDocumentedException.java
* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/xml/MissingNameSpaceException.java
* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/messages/FramingMechanism.java
* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/messages/NetconfHelloMessageAdditionalHeader.java
* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/messages/HelloMessage.java
* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/NetconfSessionListenerFactory.java
* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/messages/NetconfMessage.java
* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/xml/UnexpectedElementException.java
* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/xml/XmlNetconfConstants.java
* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/NetconfTerminationReason.java
* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/NetconfDeserializerException.java
* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/xml/UnexpectedNamespaceException.java
* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/NetconfSessionListener.java
* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/NetconfSession.java
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jar/org/opendaylight/netconf/api/CapabilityURN.java
* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/TransportConstants.java
* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/module-info.java
* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/NamespaceURN.java
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* /opt/cola/permits/2321875631_1737311581.6198437/0/netconf-api-7-0-9-sources-jar/org/opendaylight/netconf/api/messages/RpcReplyMessage.java

1.7538 atomix-storage 9.0.5

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* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/storage/journal/Indexed.java

* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/storage/journal/JournalSegment.java
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* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/utils/serializer/BufferAwareByteArrayOutputStream.java
* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/utils/serializer/ByteArrayOutput.java
*
 /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/utils/serializer/KryoIOPool.java
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* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-

jar/io/atomix/storage/journal/JournalSegmentReader.java
* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/storage/journal/DiskFileAccess.java
* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/storage/journal/DiskFileWriter.java
* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/storage/journal/SegmentEntry.java
* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/storage/journal/MappedFileReader.java
* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/storage/journal/JournalSegmentWriter.java
* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/storage/journal/SegmentedCommitsByteBufReader.java
* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/storage/journal/DiskFileReader.java
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* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/storage/journal/FileAccess.java
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* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/storage/journal/StorageLevel.java
* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/storage/journal/JournalSegmentDescriptor.java
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* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/storage/journal/SegmentedJournal.java
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* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/storage/journal/index/JournalIndex.java
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* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/storage/journal/Journal.java
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* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/utils/serializer/KryoEntryOutput.java
* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/utils/serializer/KryoEntryInput.java
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* /opt/cola/permits/2321874244_1737311604.600546/0/atomix-storage-9-0-5-sources-jar/io/atomix/storage/journal/index/package-info.java
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1.7541 rfc6470 7.0.9

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```
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* This module defines a YANG data model for use with the NETCONF protocol that
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*
* <p>
* This class represents the following YANG schema fragment defined in module <b>ietf-netconf-notifications</b>
* <pre>
* module ietf-netconf-notifications {
*   namespace urn:ietf:params:xml:ns:yang:ietf-netconf-notifications;
 *   prefix ncn;
*   import ietf-inet-types {
*     prefix inet;
*     revision-date 2013-07-15;
*   }
*   import ietf-netconf {
*     prefix nc;
*     revision-date 2011-06-01;
*   }
*   revision 2012-02-06 {
*   }
*   grouping common-session-parms {
*     leaf username {
*       type string;
*     }
*     leaf session-id {
*       type nc:session-id-or-zero-type;
*     }
*     leaf source-host {
*       type inet:ip-address;
*     }
```

```
*   }
*   grouping changed-by-parms {
*     container changed-by {
*       choice server-or-user {
*         leaf server {
*           type empty;
*         }
*         case by-user {
*           uses common-session-parms;
*         }
*       }
*     }
*   }
*   notification netconf-config-change {
*     uses changed-by-parms;
*     leaf datastore {
*       type enumeration {
*         enum running {
*         }
*         enum startup {
*         }
*       }
*       default running;
*     }
*     list edit {
*       leaf target {
*         type instance-identifier;
*       }
*       leaf operation {
*         type nc:edit-operation-type;
*       }
*     }
*   }
*   notification netconf-capability-change {
*     uses changed-by-parms;
*     leaf-list added-capability {
*       type inet:uri;
*     }
*     leaf-list deleted-capability {
*       type inet:uri;
*     }
*     leaf-list modified-capability {
*       type inet:uri;
*     }
*   }
*   notification netconf-session-start {
*     uses common-session-parms;
*   }
```

```
*   notification netconf-session-end {
*     uses common-session-parms;
*     leaf killed-by {
*       when "../termination-reason = 'killed'";
*       type nc:session-id-type;
*     }
*     leaf termination-reason {
*       type enumeration {
*         enum closed {
*         }
*         enum killed {
*         }
*         enum dropped {
*         }
*         enum timeout {
*         }
*         enum bad-hello {
*         }
*
  enum other {
*         }
*       }
*     }
*   }
*   notification netconf-confirmed-commit {
*     uses common-session-parms {
*       when "confirm-event != 'timeout'";
*     }
*     leaf confirm-event {
*       type enumeration {
*         enum start {
*         }
*         enum cancel {
*         }
*         enum timeout {
*         }
*         enum extend {
*         }
*         enum complete {
*         }
*       }
*     }
*     leaf timeout {
*       when "../confirm-event = 'start' or ../confirm-event = 'extend'";
*       type uint32;
*       units seconds;
*     }
*   }
```

* }
* </pre>
*
*/

Found in path(s):
* /opt/cola/permits/2321874642_1737311680.8288069/0/rfc6470-7-0-9-sources-jar/org/opendaylight/yang/gen/v1/urn/ietf/params/xml/ns/yang/ietf/netconf/notifications/rev120206/IetfNetconfNotificationsData.java
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1.7542 apache-karaf-webconsole-http 4.4.6

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* /opt/cola/permits/2321874361_1737311296.9475076/0/yang-data-tree-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/api/DataTreeTip.java
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* /opt/cola/permits/2321874361_1737311296.9475076/0/yang-data-tree-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/api/DataTreeCandidateNode.java
* /opt/cola/permits/2321874361_1737311296.9475076/0/yang-data-tree-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/api/DataTreeModification.java
* /opt/cola/permits/2321874361_1737311296.9475076/0/yang-data-tree-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/api/DataTreeSnapshot.java
* /opt/cola/permits/2321874361_1737311296.9475076/0/yang-data-tree-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/api/ModifiedNodeDoesNotExistException.java
* /opt/cola/permits/2321874361_1737311296.9475076/0/yang-data-tree-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/api/ConflictingModificationAppliedException.java
* /opt/cola/permits/2321874361_1737311296.9475076/0/yang-data-tree-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/api/IncorrectDataStructureException.java
* /opt/cola/permits/2321874361_1737311296.9475076/0/yang-data-tree-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/api/ModificationType.java
* /opt/cola/permits/2321874361_1737311296.9475076/0/yang-data-tree-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/api/DataTreeFactory.java
* /opt/cola/permits/2321874361_1737311296.9475076/0/yang-data-tree-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/api/DataTreeCandidate.java
* /opt/cola/permits/2321874361_1737311296.9475076/0/yang-data-tree-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/api/DataValidationFailedException.java

*
/opt/cola/permits/2321874361_1737311296.9475076/0/yang-data-tree-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/api/DataTree.java

1.7544 apache-karaf-specs-locator 4.4.6

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1.7545 metrics-graphite 4.2.26

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Manifest-Version: 1.0
Automatic-Module-Name: com.codahale.metrics.graphite
Build-Jdk-Spec: 17
Bundle-Description: A reporter for Metrics which announces measurement
s to a Graphite server.
Bundle-License: https://www.apache.org/licenses/LICENSE-2.0.html
Bundle-ManifestVersion: 2
Bundle-Name: Graphite Integration for Metrics

Bundle-SymbolicName: io.dropwizard.metrics.graphite
Bundle-Version: 4.2.26
Created-By: Apache Maven Bundle Plugin 5.1.9
Export-Package: com.codahale.metrics.graphite;uses:="com.codahale.metr
ics,com.rabbitmq.client,javax.net";version="4.2.26"
Implementation-Title: Graphite Integration for Metrics
Implementation-Version: 4.2.26
Import-Package: org.slf4j;version="[1.6.0,2.0.0)",com.codahale.metrics
;version="[4.2,5)",com.rabbitmq.client;version="[5.21,6)",javax.net
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Tool: Bnd-6.3.1.202206071316

Found in path(s):
* /opt/cola/permits/2321875337_1737311435.4609675/0/metrics-graphite-4-2-26-jar/META-INF/MANIFEST.MF

1.7546 aaa-tokenauthrealm 0.19.6

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* /opt/cola/permits/2321874496_1737311682.9024076/0/aaa-tokenauthrealm-0-19-6-sources-jar/org/opendaylight/aaa/tokenauthrealm/auth/TokenAuthenticators.java
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* /opt/cola/permits/2321874496_1737311682.9024076/0/aaa-tokenauthrealm-0-19-6-sources-jar/META-INF/maven/org.opendaylight.aaa/aaa-tokenauthrealm/pom.xml
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* /opt/cola/permits/2321874496_1737311682.9024076/0/aaa-tokenauthrealm-0-19-6-sources-jar/org/opendaylight/aaa/tokenauthrealm/auth/AuthenticationManager.java
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* /opt/cola/permits/2321874496_1737311682.9024076/0/aaa-tokenauthrealm-0-19-6-sources-jar/org/opendaylight/aaa/tokenauthrealm/auth/ClaimBuilder.java
* /opt/cola/permits/2321874496_1737311682.9024076/0/aaa-tokenauthrealm-0-19-6-sources-jar/org/opendaylight/aaa/tokenauthrealm/auth/HttpBasicAuth.java
* /opt/cola/permits/2321874496_1737311682.9024076/0/aaa-tokenauthrealm-0-19-6-sources-jar/org/opendaylight/aaa/tokenauthrealm/auth/PasswordCredentialBuilder.java
* /opt/cola/permits/2321874496_1737311682.9024076/0/aaa-tokenauthrealm-0-19-6-sources-jar/org/opendaylight/aaa/tokenauthrealm/auth/AuthenticationBuilder.java

1.7547 cds-dom-api 9.0.5

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* /opt/cola/permits/2321875724_1737311235.7933438/0/cds-dom-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/dom/api/LeaderLocationListener.java

* /opt/cola/permits/2321875724_1737311235.7933438/0/cds-dom-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/dom/api/LeaderLocation.java
* /opt/cola/permits/2321875724_1737311235.7933438/0/cds-dom-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/dom/api/package-info.java

1.7548 general-entity 13.0.6

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Found in path(s):
* /opt/cola/permits/2321875822_1737311227.2514775/0/general-entity-13-0-6-sources-jar/META-INF/maven/org.opendaylight.mdsal.model/general-entity/pom.xml

1.7549 pax-web-tomcat-keycloak 8.0.27

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org.ops4j.pax.web.keycloak.tomcat.KeycloakAuthenticatorService

Found in path(s):

* /opt/cola/permits/2321874869_1737311640.6596737/0/pax-web-tomcat-keycloak-8-0-27-sources-jar/META-INF/services/org.ops4j.pax.web.service.AuthenticatorService
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* /opt/cola/permits/2321874869_1737311640.6596737/0/pax-web-tomcat-keycloak-8-0-27-sources-jar/META-INF/maven/org.ops4j.pax.web/pax-web-tomcat-keycloak/pom.xml
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* /opt/cola/permits/2321874869_1737311640.6596737/0/pax-web-tomcat-keycloak-8-0-27-sources-jar/org/ops4j/pax/web/keycloak/tomcat/KeycloakAuthenticatorService.java

1.7550 kryo-parent 4.0.3

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1.7551 mdsal-binding-loader 13.0.6

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1.7552 openconfig-parser-support 13.0.7

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1.7553 yang-binding 13.0.6

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* /opt/cola/permits/2321875693_1737311684.9044082/0/yang-binding-13-0-6-sources-jar/org/opendaylight/yangtools/yang/binding/RpcInput.java
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* /opt/cola/permits/2321875693_1737311684.9044082/0/yang-binding-13-0-6-sources-jar/org/opendaylight/yangtools/yang/binding/YangModuleInfo.java
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* /opt/cola/permits/2321875693_1737311684.9044082/0/yang-binding-13-0-6-sources-jar/org/opendaylight/yangtools/yang/binding/InstanceIdentifier.java
* /opt/cola/permits/2321875693_1737311684.9044082/0/yang-binding-13-0-6-sources-jar/org/opendaylight/yangtools/yang/binding/DataObject.java
* /opt/cola/permits/2321875693_1737311684.9044082/0/yang-binding-13-0-6-sources-jar/org/opendaylight/yangtools/yang/binding/contract/Naming.java

*
/opt/cola/permits/2321875693_1737311684.9044082/0/yang-binding-13-0-6-sources-jar/org/opendaylight/yangtools/yang/binding/Notification.java
* /opt/cola/permits/2321875693_1737311684.9044082/0/yang-binding-13-0-6-sources-jar/org/opendaylight/yangtools/yang/binding/KeyAware.java
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* /opt/cola/permits/2321875693_1737311684.9044082/0/yang-binding-13-0-6-sources-jar/org/opendaylight/yangtools/yang/binding/YangFeature.java
*
/opt/cola/permits/2321875693_1737311684.9044082/0/yang-binding-13-0-6-sources-jar/org/opendaylight/yangtools/yang/binding/YangFeatureProvider.java
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1.7554 triemap 1.3.2

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* /opt/cola/permits/2321875915_1737311803.621235/0/triemap-1-3-2-sources-jar/tech/pantheon/triemap/MutableKeySet.java
* /opt/cola/permits/2321875915_1737311803.621235/0/triemap-1-3-2-sources-jar/tech/pantheon/triemap/BasicNode.java
* /opt/cola/permits/2321875915_1737311803.621235/0/triemap-1-3-2-sources-jar/tech/pantheon/triemap/MutableTrieMap.java
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* /opt/cola/permits/2321875915_1737311803.621235/0/triemap-1-3-2-sources-jar/tech/pantheon/triemap/FailedNode.java
* /opt/cola/permits/2321875915_1737311803.621235/0/triemap-1-3-2-sources-jar/tech/pantheon/triemap/CNode.java
* /opt/cola/permits/2321875915_1737311803.621235/0/triemap-1-3-2-sources-jar/tech/pantheon/triemap/INode.java
* /opt/cola/permits/2321875915_1737311803.621235/0/triemap-1-3-2-sources-jar/tech/pantheon/triemap/Gen.java
* /opt/cola/permits/2321875915_1737311803.621235/0/triemap-1-3-2-sources-jar/tech/pantheon/triemap/ImmutableKeySet.java
* /opt/cola/permits/2321875915_1737311803.621235/0/triemap-1-3-2-sources-jar/tech/pantheon/triemap/ImmutableTrieMap.java
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* /opt/cola/permits/2321875915_1737311803.621235/0/triemap-1-3-2-sources-jar/tech/pantheon/triemap/TNode.java
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* /opt/cola/permits/2321875915_1737311803.621235/0/triemap-1-3-2-sources-jar/module-info.java
*
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* /opt/cola/permits/2321875915_1737311803.621235/0/triemap-1-3-2-sources-jar/tech/pantheon/triemap/SerializationProxy.java
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1.7555 pax-logging-logback 2.2.7

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Some advice for Alpakka contributors

Reference connector

To inspect how all of the below listed guidelines are to be implemented in practice, take a look at
[the reference](reference/) connector. Feel free to use the reference connector as a starting point for new connectors.

API design

Public factory methods

Depending on the technology you integrate with Akka Streams and Alpakka you'll create Sources, Flows and Sinks. Regardless on how they are implemented make sure that you create the relevant Sources, Sinks and Flows APIs so they are
simple and easy to use.

Flows

> Reference connector [model classes](reference/src/main/scala/akka/stream/alpakka/reference/model.scala)

When designing Flows, consider adding an extra field to the in- and out-messages which is passed through. A common
use case we see, is committing a Kafka offset after passing data to another system.

Implementing the Java API in Scala

> Reference connector [Java API factory
methods](reference/src/main/scala/akka/stream/alpakka/reference/javadsl/Reference.scala)

Alpakka,
same as Akka, aims to keep 100% feature parity between the various language DSLs. Implementing even the API for Java in Scala has proven the most viable way to do it, as long as you keep the following in mind:

1. Keep entry points separated in `javadsl` and `scaladsl`

1. Provide factory methods for Sources, Flows and Sinks in the `javadsl` package wrapping all the methods in the Scala API. The Akka Stream Scala instances have a `.asJava` method to convert to the `akka.stream.javadsl` counterparts.

1. When using Scala `object` instances, offer a `getInstance()` method.

1. When the Scala API contains an `apply` method, use `create` for Java users.

1. Do not nest Scala `object`s more than two levels (as access from Java becomes weird)

1. Be careful to convert values within data structures (eg. for `scala.Long` vs. `java.lang.Long`, use `scala.Long.box(value)`)

1. Complement any methods with Scala collections
with a Java collection version

1. Use the `akka.japi.Pair` class to return tuples

1. If the underlying Scala code requires an `ExecutionContext`, make the Java API take an `Executor` and use `ExecutionContext.fromExecutor(executor)` for conversion.

Overview of Scala types and their Java counterparts

Scala	Java
`scala.Option[T]`	`java.util.Optional<T>` (`OptionalDouble`, ...)
`scala.collection.immutable.Seq[T]`	`java.util.List<T>`
`scala.concurrent.Future[T]`	`java.util.concurrent.CompletionStage<T>`
`scala.concurrent.Promise[T]`	`java.util.concurrent.CompletableFuture<T>`
`scala.concurrent.duration.FiniteDuration`	`java.time.Duration`

Functions, if you want to allow the function to throw checked exceptions (like
Scala functions - the infrastructure should recover from those gracefully) or
leverage variance in the parameter or return types:

Scala	Java
`T => Unit`	`akka.japi.function.Procedure<T>`

|
| `() => R` (`scala.Function0[R]`) | `akka.japi.function.Creator<R>` |
| `T => R` (`scala.Function1[T, R]`) | `akka.japi.function.Function<T, R>` |

Functions, if you don't want to allow the function to throw checked exceptions
(unlike Scala functions):

Scala	Java
`T => Unit`	`java.util.function.Consumer<T>`
`() => R` (`scala.Function0[R]`)	`java.util.function.Supplier<R>`
`T => R` (`scala.Function1[T, R]`)	`java.util.function.Function<T, R>`

Settings

> Reference connector [settings classes](reference/src/main/scala/akka/stream/alpakka/reference/settings.scala)

Most technologies will have a couple of configuration settings that will be needed for several Sinks, Flows, or Sinks.

Create case classes collecting these settings instead of passing them in every method.

Create a default instance in the companion object with good defaults which can be updated via `withXxxx` methods.

Add `withXxxx` methods to specify certain fields
in the settings instance.

In case you see the need to support reading the settings from `Config`, offer a method taking the `Config` instance so
that the user can apply a proper namespace.
Refrain from using `akka.stream.alpakka` as Config prefix, prefer `alpakka` as root namespace.

Implementation details

Evolving APIs with binary compatibility

All Akka APIs aim to evolve in a binary compatible way within minor versions.

1. Do not use any default arguments

1. Do not use case classes (as the public copy method relies on default arguments)

1. To generate a case class replacement, consider using [Kaze Class](https://github.com/ktoso/kaze-class)

See [Binary Compatibilty Rules](https://doc.akka.io/libraries/akka-core/current/common/binary-compatibility-rules.html) in the Akka documentation.

See [Binary Compatibility for library authors](https://docs.scala-lang.org/overviews/core/binary-compatibility-for-library-authors.html)

Use [MigrationManager (MiMa)](https://github.com/lightbend/migration-manager)
 to validate, if versions are binary compatible. See [Binary compatibility (MiMa) in CONTRIBUTING.md](https://github.com/akka/alpakka/blob/main/CONTRIBUTING.md#binary-compatibility-mima) for details.

External Dependencies

All the external runtime dependencies for the project, including transitive dependencies, must have an open source license that is equal to, or compatible with, [Apache 2](http://www.apache.org/licenses/LICENSE-2.0).

Which licenses are compatible with Apache 2 are defined in [this doc](http://www.apache.org/legal/3party.html#category-a), where you can see that the licenses that are listed under ``Category A`` automatically compatible with Apache 2, while the ones listed under ``Category B`` needs additional action:

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Dependency licenses will be checked automatically by [FOSSA](https://fossa.com/).

Packages & Scoping

Use `private`, `private[connector]` and `final` extensively to limit the API surface.

Package	Purpose
`akka.stream.alpakka.connector.javadsl`	Java-only part of the API, normally factories for Sources, Flows and Sinks
`akka.stream.alpakka.connector.scaladsl`	Scala-only part of the API, normally factories for Sources, Flows and Sinks
`akka.stream.alpakka.connector`	Shared API, eg. settings classes
`akka.stream.alpakka.connector.impl`	Internal implementation in separate package

Graph stage checklist

> Reference connector [operator implementations](reference/src/main/scala/akka/stream/alpakka/reference/impl/)

*
 Keep mutable state within the `GraphStageLogic` only
* Open connections in `preStart`
* Release resources in `postStop`

* Fail early on configuration errors
* Make sure the code is thread-safe; if in doubt, please ask!
* No Blocking At Any Time -- in other words, avoid blocking whenever possible and replace it with asynchronous programming (async callbacks, stage actors)

Use of blocking APIs

Many technologies come with client libraries that only support blocking calls. Akka Stream stages that use blocking APIs should preferably be run on Akka's `IODispatcher`. (In rare cases you might want to allow the users to configure another dispatcher to run the blocking operations on.)

To select Akka's `IODispatcher` for a stage use
```$scala
override protected def initialAttributes: Attributes = Attributes(ActorAttributes.IODispatcher)
```

When the `IODispatcher` is selected, you do NOT need to wrap the blocking calls in `Future`s or `blocking`.

(Issue [akka/akka#25540](https://github.com/akka/akka/issues/25540)
 requests better support for selecting the correct execution context.)

Keep the code DRY

Avoid duplication of code between different Sources, Sinks and Flows. Extract the common logic to a common abstract
base `GraphStageLogic` that is inherited by the `GraphStage`s.

Sometimes it may be useful to provide a Sink or Source for a connector, even if the main concept is implemented as a Flow. This can be easily done by reusing the Flow implementation:
* Source: `Source.maybe.viaMat(MyFlow)(Keep.right)`
* Sink: `MyFlow.toMat(Sink.ignore)(Keep.right)`

You do not need to expose every configuration a Flow offers this way -- Focus on the most important ones.

Test

> Reference connector [Scala](reference/src/test/scala/docs/scaladsl/ReferenceSpec.scala) and
> [Java](reference/src/test/java/docs/javadsl/ReferenceTest.java) tests

Write tests for all public methods and possible settings.

Use Docker containers for any testing needed
 by your application. The container's configuration can be added to the
`docker-compose.yml` file.
Please ensure that you limit the amount of resources used by the containers.

Documentation

> Reference connector [paradox documentation](docs/src/main/paradox/reference.md)

Using [Paradox](https://github.com/lightbend/paradox) syntax (which is very close to markdown), create or complement
the documentation in the `docs` module.
Prepare code snippets to be integrated by Paradox in the tests. Such example should be part of real tests and not in unused methods.

Use ScalaDoc if you see the need to describe the API usage better than the naming does.
The `@apidoc` Paradox directive automatically creates links to the corresponding Scaladoc page for both `scaladsl` and `javadsl`. Be sure to add a `$` at the end of the name if you point to an `object`.
`@apidoc[AmqpSink$]` will link to `akka/stream/alpakka/amqp/scaladsl/AmqpSink$.html` when viewing "Scala" and `akka/stream/alpakka/amqp/javadsl/AmqpSink$.html`
 for "Java".

```

Run `sbt docs/previewSite` to generate reference and API docs, start an embedded web-server, and open a tab to the generated documentation while developing.
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1.7558 undertow-servlet 2.2.31.Final

1.7558.1 Available under license :

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Message: No confidential port is available to redirect the current request.

Found in path(s):
* /opt/cola/permits/2321874392_1737311368.283126/0/undertow-servlet-2-2-31-final-jar/io/undertow/servlet/UndertowServletMessages.i18n.properties
No license file was found, but licenses were detected in source scan.

Manifest-Version: 1.0
Bundle-License: http://repository.jboss.org/licenses/apache-2.0.txt
Bundle-SymbolicName: io.undertow.servlet
Built-By: fla
Bnd-LastModified: 1710462115680
Specification-Title: Undertow Servlet
Implementation-Vendor-Id: io.undertow
Bundle-DocURL: http://www.jboss.org
Import-Package: io.undertow;version="[2.2,3)",io.undertow.attribute;ve
rsion="[2.2,3)",io.undertow.connector;version="[2.2,3)",io.undertow.i
o;version="[2.2,3)",io.undertow.predicate;version="[2.2,3)",io.undert
ow.security.api;version="[2.2,3)",io.undertow.security.handlers;versi
on="[2.2,3)",io.undertow.security.idm;version="[2.2,3)",io.undertow.s
ecurity.impl;version="[2.2,3)",io.undertow.server;version="[2.2,3)",i
o.undertow.server.handlers;version="[2.2,3)",io.undertow.server.handl
ers.builder;version="[2.2,3)",io.undertow.server.handlers.cache;versi
on="[2.2,3)",io.undertow.server.handlers.form;version="[2.2,3)",io.un
dertow.server.handlers.resource;version="[2.2,3)",io.undertow.server.
handlers.sse;version="[2.2,3)",io.undertow.server.protocol.http;versi
on="[2.2,3)",io.undertow.server.session;version="[2.2,3)",io.undertow
.util;version="[2.2,3)",io.undertow.websockets;version="[2.2,3)",io.u
ndertow.websockets.core;version="[2.2,3)",io.undertow.websockets.core
.protocol;version="[2.2,3)",io.undertow.websockets.core.protocol.vers
ion07;version="[2.2,3)",io.undertow.websockets.core.protocol.version0
8;version="[2.2,3)",io.undertow.websockets.core.protocol.version13;ve
rsion="[2.2,3)",io.undertow.websockets.spi;version="[2.2,3)",javax.an
notation.security;version="[1.2,3)",javax.servlet;version="[4.0,5)",j
avax.servlet.annotation;version="[4.0,5)",javax.servlet.descriptor;ve
rsion="[4.0,5)",javax.servlet.http;version="[4.0,5)",org.jboss.loggin

```
g;version="[3.4,4)",org.xnio;version="[3.8,4)",org.xnio.channels;vers
ion="[3.8,4)",org.xnio.conduits;version="[3.8,4)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Scm-Url:
 https://github.com/undertow-io/undertow/undertow-servlet
Export-Package: io.undertow.servlet;uses:="io.undertow.servlet.api,jav
ax.servlet,org.jboss.logging";version="2.2.31.Final",io.undertow.serv
let.api;uses:="io.undertow.security.api,io.undertow.security.idm,io.u
ndertow.server,io.undertow.server.handlers,io.undertow.server.handler
s.resource,io.undertow.server.session,io.undertow.servlet,io.undertow
.servlet.core,io.undertow.servlet.handlers,io.undertow.servlet.spec,j
avax.servlet,javax.servlet.descriptor,javax.servlet.http,org.jboss.lo
gging";version="2.2.31.Final",io.undertow.servlet.attribute;uses:="io
.undertow.attribute,io.undertow.server";version="2.2.31.Final",io.und
ertow.servlet.compat.rewrite;uses:="io.undertow.server,io.undertow.se
rvlet.handlers,javax.servlet.http";version="2.2.31.Final",io.undertow
.servlet.core;uses:="io.undertow.io,io.undertow.security.api,io.under
tow.security.idm,io.undertow.server,io.undertow.server.handlers.form,
 io.undertow.server.session,io.undertow.servlet,io.undertow.servlet.ap
i,io.undertow.servlet.handlers,io.undertow.servlet.spec,javax.servlet
,javax.servlet.http,org.xnio";version="2.2.31.Final",io.undertow.serv
let.handlers;uses:="io.undertow.server,io.undertow.server.handlers.bu
ilder,io.undertow.server.session,io.undertow.servlet.api,io.undertow.
servlet.core,io.undertow.servlet.spec,io.undertow.util,javax.servlet,
javax.servlet.http";version="2.2.31.Final",io.undertow.servlet.handle
rs.security;uses:="io.undertow.security.api,io.undertow.security.hand
lers,io.undertow.security.idm,io.undertow.security.impl,io.undertow.s
erver,io.undertow.server.handlers.form,io.undertow.server.session,io.
undertow.servlet.api,io.undertow.servlet.spec";version="2.2.31.Final"
,io.undertow.servlet.predicate;uses:="io.undertow.attribute,io.undert
ow.predicate,io.undertow.server,javax.servlet";version="2.2.31.Final"
,io.undertow.servlet.spec;uses:="io.undertow.connector,io.undertow.io
 ,io.undertow.server,io.undertow.server.handlers,io.undertow.server.ha
ndlers.form,io.undertow.server.session,io.undertow.servlet.api,io.und
ertow.servlet.core,io.undertow.servlet.handlers,io.undertow.util,java
x.servlet,javax.servlet.descriptor,javax.servlet.http,org.xnio,org.xn
io.channels";version="2.2.31.Final",io.undertow.servlet.sse;uses:="ja
vax.servlet,javax.servlet.annotation";version="2.2.31.Final",io.under
tow.servlet.util;uses:="io.undertow.server,io.undertow.servlet.api,io
.undertow.servlet.handlers,io.undertow.servlet.spec,io.undertow.util,
javax.servlet.http";version="2.2.31.Final",io.undertow.servlet.websoc
kets;uses:="io.undertow.connector,io.undertow.server,io.undertow.util
,io.undertow.websockets,io.undertow.websockets.core,io.undertow.webso
ckets.core.protocol,io.undertow.websockets.spi,javax.servlet,javax.se
rvlet.http,org.xnio";version="2.2.31.Final"
Bundle-Name: Undertow Servlet
Build-Jdk-Spec: 1.8
Implementation-Title: Undertow
```

Servlet
Bundle-Description: Undertow
Implementation-Version: 2.2.31.Final
Java-Version: 1.8.0_302
Scm-Connection: scm:git://github.com/undertow-io/undertow.git/undertow
-servlet
Specification-Vendor: JBoss by Red Hat
Os-Arch: amd64
Bundle-ManifestVersion: 2
Java-Vendor: Oracle Corporation
Bundle-Vendor: JBoss by Red Hat
Os-Name: Linux
Tool: Bnd-5.1.1.202006162103
Implementation-Vendor: JBoss by Red Hat
Os-Version: 6.5.7-200.fc38.x86_64
Originally-Created-By: Apache Maven Bundle Plugin
Scm-Revision: a1ad0cac394ee08bae4dcaed6fe6cf08eabdf0e2
Bundle-Version: 2.2.31.Final
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_302
Specification-Version: 2.2
Implementation-URL: http://www.jboss.org/undertow-parent/undertow-serv
let

Found in path(s):
* /opt/cola/permits/2321874392_1737311368.283126/0/undertow-servlet-2-2-31-final-jar/META-
INF/MANIFEST.MF
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```

Found in path(s):

* /opt/cola/permits/2321874392_1737311368.283126/0/undertow-servlet-2-2-31-final-jar/META-INF/maven/io.undertow/undertow-servlet/pom.xml
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/opt/cola/permits/2321874392_1737311368.283126/0/undertow-servlet-2-2-31-final-jar/io/undertow/servlet/UndertowServletMessages.class: binary file matches
/opt/cola/permits/2321874392_1737311368.283126/0/undertow-servlet-2-2-31-final-jar/io/undertow/servlet/UndertowServletMessages_$bundle.class: binary file matches
/opt/cola/permits/2321874392_1737311368.283126/0/undertow-servlet-2-2-31-final-jar/io/undertow/servlet/api/ConfidentialPortManager.class: binary file matches
/opt/cola/permits/2321874392_1737311368.283126/0/undertow-servlet-2-2-31-final-jar/io/undertow/servlet/api/DeploymentInfo.class: binary file matches
/opt/cola/permits/2321874392_1737311368.283126/0/undertow-servlet-2-2-31-final-jar/io/undertow/servlet/api/TransportGuaranteeType.class: binary file matches
/opt/cola/permits/2321874392_1737311368.283126/0/undertow-servlet-2-2-31-final-jar/io/undertow/servlet/core/DeploymentManagerImpl.class: binary file matches
/opt/cola/permits/2321874392_1737311368.283126/0/undertow-servlet-2-2-31-final-jar/io/undertow/servlet/handlers/security/ServletConfidentialityConstraintHandler.class: binary file matches
/opt/cola/permits/2321874392_1737311368.283126/0/undertow-servlet-2-2-31-final-jar/io/undertow/servlet/spec/ServletContextImpl$ReadServletAnnotationsTask.class: binary file matches
/opt/cola/permits/2321874392_1737311368.283126/0/undertow-servlet-2-2-31-final-jar/io/undertow/servlet/spec/ServletRegistrationImpl.class: binary file matches

Found in path(s):
* /bin/grep

1.7559 apache-karaf-services-eventadmin 4.4.6

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1.7560 apache-karaf-jaas-blueprint-jasypt 4.4.6

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* /opt/cola/permits/2321874994_1737311480.7048807/0/mdsal-binding-dom-adapter-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/adapter/ActionServiceAdapter.java
* /opt/cola/permits/2321874994_1737311480.7048807/0/mdsal-binding-dom-adapter-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/adapter/ActionProviderServiceAdapter.java
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* /opt/cola/permits/2321874994_1737311480.7048807/0/mdsal-binding-dom-adapter-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/adapter/ActionAdapterFilter.java

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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
artifacts may be included in the distribution or downloaded when ALPN
module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications

are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

The UnixCrypt.java code implements the one way cryptography used by
Unix systems for simple password protection. Copyright 1996 Aki Yoshida,
modified April 2001 by Iris Van den Broeke, Daniel Deville.
Permission to use, copy, modify and distribute UnixCrypt
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1.7568 rfc8526 7.0.9

1.7568.1 Available under license :

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```

Found in path(s):
* /opt/cola/permits/2321874712_1737311657.7627401/0/rfc8526-7-0-9-sources-jar/META-INF/maven/org.opendaylight.netconf.model/rfc8526/pom.xml
No license file was found, but licenses were detected in source scan.

```
/**
* This YANG module defines a set of NETCONF operations to support the Network
* Management Datastore Architecture (NMDA). The key words 'MUST', 'MUST NOT',
* 'REQUIRED', 'SHALL', 'SHALL NOT', 'SHOULD', 'SHOULD NOT', 'RECOMMENDED', 'NOT
* RECOMMENDED', 'MAY', and 'OPTIONAL' in this document are to be interpreted as
* described in BCP 14 (RFC 2119) (RFC 8174) when, and only when, they appear in
* all capitals, as shown here. Copyright (c) 2019 IETF Trust and the persons
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* set forth in Section 4.c of the IETF Trust's Legal Provisions Relating to IETF
```

```
* Documents (https://trustee.ietf.org/license-info). This version of this YANG
* module is part of RFC 8526;
 see the RFC itself for full legal notices.
*
* <p>
* This class represents the following YANG schema fragment defined in module <b>ietf-netconf-nmda</b>
* <pre>
* module ietf-netconf-nmda {
*   yang-version 1.1;
*   namespace urn:ietf:params:xml:ns:yang:ietf-netconf-nmda;
*   prefix ncds;
*   import ietf-yang-types {
*     prefix yang;
*   }
*   import ietf-inet-types {
*     prefix inet;
*   }
*   import ietf-datastores {
*     prefix ds;
*   }
*   import ietf-origin {
*     prefix or;
*   }
*   import ietf-netconf {
*     prefix nc;
*   }
*   import ietf-netconf-with-defaults {
*     prefix ncwd;
*   }
*   revision 2019-01-07 {
*   }
*   feature origin {
*   }
*   feature with-defaults {
*   }
*   rpc get-data {
*     input input {
*       leaf datastore {
*         type ds:datastore-ref;
*       }
*       choice filter-spec {
*         anydata subtree-filter {
*         }
*         leaf xpath-filter {
*           if-feature nc:xpath;
*
          type yang:xpath1.0;
*         }
```

```
*      }
*      leaf config-filter {
*        type boolean;
*      }
*      choice origin-filters {
*        when "derived-from-or-self(datastore, \"ds:operational\")";
*        if-feature origin;
*        leaf-list origin-filter {
*          type or:origin-ref;
*        }
*        leaf-list negated-origin-filter {
*          type or:origin-ref;
*        }
*      }
*      leaf max-depth {
*        type union {
*          type uint16 {
*            range 1..65535;
*          }
*          type enumeration {
*            enum unbounded {
*            }
*          }
*        }
*        default unbounded;
*      }
*      leaf with-origin {
*        when "derived-from-or-self(../datastore, \"ds:operational\")";
*        if-feature origin;
*        type empty;
*      }
*      uses ncwd:with-defaults-parameters {
*        if-feature with-defaults;
*      }
*    }
*    output output
 {
*      anydata data {
*      }
*    }
*  }
*  rpc edit-data {
*    input input {
*      leaf datastore {
*        type ds:datastore-ref;
*      }
*      leaf default-operation {
*        type enumeration {
```

```
*          enum merge {
*          }
*          enum replace {
*          }
*          enum none {
*          }
*        }
*        default merge;
*      }
*      choice edit-content {
*        anydata config {
*        }
*        leaf url {
*          if-feature nc:url;
*          type inet:uri;
*        }
*      }
*    }
*  }
*  augment /nc:lock/nc:input/nc:target/nc:config-target {
*    leaf datastore {
*      type ds:datastore-ref;
*    }
*  }
*  augment /nc:unlock/nc:input/nc:target/nc:config-target {
*    leaf datastore {
*      type ds:datastore-ref;
*    }
*  }
*  augment /nc:validate/nc:input/nc:source/nc:config-source {
*    leaf datastore {
*      type ds:datastore-ref;
*    }
*  }
 * }
* </pre>
*
*/
```

Found in path(s):
* /opt/cola/permits/2321874712_1737311657.7627401/0/rfc8526-7-0-9-sources-jar/org/opendaylight/yang/gen/v1/urn/ietf/params/xml/ns/yang/ietf/netconf/nmda/rev190107/IetfNetconfNmdaData.java
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* /opt/cola/permits/2321874712_1737311657.7627401/0/rfc8526-7-0-9-sources-jar/org/opendaylight/yang/gen/v1/urn/ietf/params/xml/ns/yang/ietf/netconf/nmda/rev190107/GetDataInputMaxDepthBuilder.java
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Found in path(s):
* /opt/cola/permits/2321874712_1737311657.7627401/0/rfc8526-7-0-9-sources-jar/META-INF/yang/ietf-netconf-nmda@2019-01-07.yang

1.7569 aaa-authn-api 0.19.6

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Found in path(s):
* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/PasswordCredentialAuth.java
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* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-

jar/org/opendaylight/aaa/api/PasswordCredentials.java
* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/Authentication.java
* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/AuthenticationException.java
* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/Credentials.java
* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/CredentialAuth.java
* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/AuthenticationService.java
* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/IdMService.java
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* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/IDMStoreUtil.java
* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/IIDMStore.java
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* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/IDMStoreException.java
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* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/ClaimCache.java
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Found in path(s):
* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/model/Domain.java
* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/model/IDMError.java

* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/model/User.java
* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/model/Grant.java
* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/model/Role.java
* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/TokenAuth.java
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* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/StoreBuilder.java
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* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/AAAService.java
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* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/model/Domains.java

* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/model/Claim.java
* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/model/UserPwd.java
* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/model/Users.java
* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/model/Roles.java
* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/model/Grants.java
* /opt/cola/permits/2321874305_1737311619.5606265/0/aaa-authn-api-0-19-6-sources-jar/org/opendaylight/aaa/api/Claim.java

1.7570 undertow-websockets-jsr 2.2.31.Final

1.7570.1 Available under license :

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* /opt/cola/permits/2321875903_1737311596.3749762/0/undertow-websockets-jsr-2-2-31-final-jar/META-INF/maven/io.undertow/undertow-websockets-jsr/pom.xml
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Manifest-Version: 1.0
Bundle-License: http://repository.jboss.org/licenses/apache-2.0.txt
Bundle-SymbolicName: io.undertow.websockets-jsr
Built-By: fla
Bnd-LastModified: 1710462305627

```
Specification-Title: Undertow WebSockets JSR356 implementations
Implementation-Vendor-Id: io.undertow
Bundle-DocURL: http://www.jboss.org
Import-Package: io.undertow;version="[2.2,3)",io.undertow.connector;ve
rsion="[2.2,3)",io.undertow.protocols.ssl;version="[2.2,3)",io.undert
ow.server;version="[2.2,3)",io.undertow.server.session;version="[2.2,
3)",io.undertow.servlet;version="[2.2,3)",io.undertow.servlet.api;ver
sion="[2.2,3)",io.undertow.servlet.core;version="[2.2,3)",io.undertow
.servlet.handlers;version="[2.2,3)",io.undertow.servlet.spec;version=
"[2.2,3)",io.undertow.servlet.util;version="[2.2,3)",io.undertow.serv
let.websockets;version="[2.2,3)",io.undertow.util;version="[2.2,3)",i
o.undertow.websockets;version="[2.2,3)",io.undertow.websockets.client
 ;version="[2.2,3)",io.undertow.websockets.core;version="[2.2,3)",io.u
ndertow.websockets.core.protocol;version="[2.2,3)",io.undertow.websoc
kets.core.protocol.version07;version="[2.2,3)",io.undertow.websockets
.core.protocol.version08;version="[2.2,3)",io.undertow.websockets.cor
e.protocol.version13;version="[2.2,3)",io.undertow.websockets.extensi
ons;version="[2.2,3)",io.undertow.websockets.spi;version="[2.2,3)",ja
vax.net.ssl,javax.servlet;version="[4.0,5)",javax.servlet.http;versio
n="[4.0,5)",javax.websocket;version="[1.1,2)",javax.websocket.server;
version="[1.1,2)",org.jboss.logging;version="[3.4,4)",org.xnio;versio
n="[3.8,4)",org.xnio.channels;version="[3.8,4)",org.xnio.http;version
="[3.8,4)",org.xnio.ssl;version="[3.8,4)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Scm-Url: https://github.com/undertow-io/undertow/undertow-websockets-j
sr
Export-Package: io.undertow.websockets.jsr;uses:="io.undertow.connecto
 r,io.undertow.servlet,io.undertow.servlet.api,io.undertow.servlet.spe
c,io.undertow.util,io.undertow.websockets,io.undertow.websockets.clie
nt,io.undertow.websockets.core,io.undertow.websockets.extensions,io.u
ndertow.websockets.jsr.annotated,io.undertow.websockets.spi,javax.net
.ssl,javax.servlet,javax.servlet.http,javax.websocket,javax.websocket
.server,org.jboss.logging,org.xnio,org.xnio.ssl";version="2.2.31.Fina
l",io.undertow.websockets.jsr.annotated;uses:="io.undertow.servlet.ap
i,io.undertow.websockets.jsr,javax.websocket";version="2.2.31.Final",
io.undertow.websockets.jsr.handshake;uses:="io.undertow.connector,io.
undertow.util,io.undertow.websockets,io.undertow.websockets.core,io.u
ndertow.websockets.core.protocol.version07,io.undertow.websockets.cor
e.protocol.version08,io.undertow.websockets.core.protocol.version13,i
o.undertow.websockets.jsr,io.undertow.websockets.spi,javax.websocket,
javax.websocket.server,org.xnio";version="2.2.31.Final",io.undertow.w
ebsockets.jsr.util;uses:="javax.websocket";version="2.2.31.Final"
Bundle-Name:
 Undertow WebSockets JSR356 implementations
Build-Jdk-Spec: 1.8
Implementation-Title: Undertow WebSockets JSR356 implementations
Bundle-Description: Undertow
Implementation-Version: 2.2.31.Final
```

Java-Version: 1.8.0_302
Scm-Connection: scm:git://github.com/undertow-io/undertow.git/undertow
-websockets-jsr
Specification-Vendor: JBoss by Red Hat
Os-Arch: amd64
Bundle-ManifestVersion: 2
Java-Vendor: Oracle Corporation
Bundle-Vendor: JBoss by Red Hat
Os-Name: Linux
Tool: Bnd-5.1.1.202006162103
Implementation-Vendor: JBoss by Red Hat
Os-Version: 6.5.7-200.fc38.x86_64
Originally-Created-By: Apache Maven Bundle Plugin
Scm-Revision: a1ad0cac394ee08bae4dcaed6fe6cf08eabdf0e2
Bundle-Version: 2.2.31.Final
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_302
Specification-Version: 2.2
Implementation-URL: http://www.jboss.org/undertow-parent/undertow-webs
ockets-jsr

Found in path(s):
* /opt/cola/permits/2321875903_1737311596.3749762/0/undertow-websockets-jsr-2-2-31-final-jar/META-INF/MANIFEST.MF

1.7571 yang-ext 2013.09.07.25.6

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* /opt/cola/permits/2321875519_1737311797.321096/0/yang-ext-2013-09-07-25-6-sources-jar/META-INF/maven/org.opendaylight.mdsal.model/yang-ext/pom.xml
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*
* <p>
* This class represents the following YANG schema fragment defined in module <b>yang-ext</b>
* <pre>
* module yang-ext {
*   yang-version 1;
*   namespace urn:opendaylight:yang:extension:yang-ext;
*   prefix ext;
*   revision 2013-07-09 {
*   }
*   extension augment-identifier {
*     argument identifier;
*   }
*   extension mount {
*   }
*   grouping rpc-context-ref {
*     leaf context-instance {
*       type instance-identifier;
*     }
*   }
*   extension rpc-context-instance {
*     argument context-type;
*   }
*   extension context-reference {
*     argument context-type;
*   }
*
 extension context-instance {
*     argument context-type;
*   }
*   extension instance-target {
*     argument path;
*   }
* }
* </pre>
*
*/
```

Found in path(s):
* /opt/cola/permits/2321875519_1737311797.321096/0/yang-ext-2013-09-07-25-6-sources-jar/org/opendaylight/yang/gen/v1/urn/opendaylight/yang/extension/yang/ext/rev130709/YangExtData.java

1.7572 apache-karaf-scr-management 4.4.6

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1.7573 pax-web-extender-whiteboard 8.0.27

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* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/runtime/DefaultResourceMapping.java
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 /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/runtime/DefaultFilterMapping.java
* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/runtime/DefaultJspMapping.java
* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/runtime/DefaultHttpContextMapping.java
* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/internal/util/DictionaryUtils.java
* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/runtime/DefaultServletMapping.java
* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/internal/tracker/legacy/JspMappingTracker.java
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 /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/internal/util/ServicePropertiesUtils.java
* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/runtime/DefaultListenerMapping.java
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* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/runtime/DefaultSecurityConstraintMapping.java
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#
\u001B[1mSYNOPSIS\u001B[0m
  ${project.name}

  ${project.description}

  Maven URL:
    \u001B[33mmvn:${project.groupId}/${project.artifactId}/${project.version}\u001B[0m

\u001B[1mDESCRIPTION\u001B[0m
  The whiteboard extender, extends the HTTP Service with the capability to register HTTP Services
  via the whiteboard pattern.

 This is a internal bundle for enhancing Pax Web HTTP Service.

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* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/internal/tracker/legacy/ErrorPageMappingTracker.java
*
 /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/runtime/DefaultErrorPageMapping.java
* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/internal/tracker/WebSocketTracker.java
* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/runtime/DefaultWebSocketMapping.java
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* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/internal/tracker/legacy/ListenerMappingTracker.java
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* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/internal/tracker/legacy/HttpContextMappingTracker.java

*
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* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/internal/tracker/AbstractContextTracker.java
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* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/internal/tracker/ResourceTracker.java
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/opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/internal/tracker/legacy/ServletMappingTracker.java
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* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/internal/tracker/legacy/AbstractMappingTracker.java
* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/internal/tracker/legacy/SecurityConfigurationMappingTracker.java
* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/runtime/AbstractContextRelated.java
* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/internal/tracker/legacy/ServletContextHelperMappingTracker.java
* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/internal/tracker/legacy/package-info.java
* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/internal/tracker/legacy/WelcomeFileMappingTracker.java
* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/internal/tracker/package-info.java
* /opt/cola/permits/2321874348_1737311378.8004854/0/pax-web-extender-whiteboard-8-0-27-sources-jar/org/ops4j/pax/web/extender/whiteboard/runtime/DefaultServletContextHelperMapping.java
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1.7574 rfc8342-ietf-origin 13.0.6

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```
/**
* This YANG module defines an 'origin' metadata annotation and a set of
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* part of RFC 8342 (https://www.rfc-editor.org/info/rfc8342); see the RFC itself
* for full legal notices.
*
* <p>
* This class represents the following YANG schema fragment defined in module <b>ietf-origin</b>
* <pre>
* module ietf-origin {
*   yang-version 1.1;
*   namespace urn:ietf:params:xml:ns:yang:ietf-origin;
*   prefix or;
*   import
 ietf-yang-metadata {
*     prefix md;
*   }
*   revision 2018-02-14 {
*   }
```

```
*   identity origin {
*   }
*   identity intended {
*     base origin;
*   }
*   identity dynamic {
*     base origin;
*   }
*   identity system {
*     base origin;
*   }
*   identity learned {
*     base origin;
*   }
*   identity default {
*     base origin;
*   }
*   identity unknown {
*     base origin;
*   }
*   typedef origin-ref {
*     type identityref {
*       base origin;
*     }
*   }
*   md:annotation origin {
*     type origin-ref;
*   }
* }
* </pre>
*
*/
```

Found in path(s):
* /opt/cola/permits/2321874963_1737311376.9111392/0/rfc8342-ietf-origin-13-0-6-sources-jar/org/opendaylight/yang/gen/v1/urn/ietf/params/xml/ns/yang/ietf/origin/rev180214/IetfOriginData.java
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1.7575 rfc6536-model-api 13.0.7

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* /opt/cola/permits/2321875236_1737311813.2563052/0/rfc6536-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6536/model/api/DefaultDenyAllSchemaNode.java
* /opt/cola/permits/2321875236_1737311813.2563052/0/rfc6536-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6536/model/api/DefaultDenyWriteStatement.java
* /opt/cola/permits/2321875236_1737311813.2563052/0/rfc6536-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6536/model/api/DefaultDenyWriteEffectiveStatement.java
* /opt/cola/permits/2321875236_1737311813.2563052/0/rfc6536-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6536/model/api/package-info.java
* /opt/cola/permits/2321875236_1737311813.2563052/0/rfc6536-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6536/model/api/DefaultDenyWriteSchemaNode.java
* /opt/cola/permits/2321875236_1737311813.2563052/0/rfc6536-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6536/model/api/DefaultDenyAllEffectiveStatement.java
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* /opt/cola/permits/2321875236_1737311813.2563052/0/rfc6536-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6536/model/api/NACMStatements.java
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1.7576 mdsal-binding-generator 13.0.6

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* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/ResistedCamelCaseNamingStrategy.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/YangIdentifierClassNamingStrategy.java
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* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/GeneratorResult.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/DefaultBindingGenerator.java
*

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* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/rt/DefaultChoiceRuntimeType.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/CompositeRuntimeTypeBuilder.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/InputGenerator.java
*
/opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/AugmentRequirement.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/tree/package-info.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/AbstractInvokableGenerator.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/InvokableRuntimeTypeBuilder.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/rt/AbstractInvokableRuntimeType.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/FeatureGenerator.java
*
/opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/rt/AbstractAugmentableRuntimeType.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/tree/StatementRepresentation.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/CompositeSchemaTreeGenerator.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/rt/DefaultFeatureRuntimeType.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/rt/DefaultRpcRuntimeType.java
*
/opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/AugmentResolver.java

* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/OutputGenerator.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/OriginalLink.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/TargetAugmentEffectiveStatement.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/rt/DefaultCaseRuntimeType.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/rt/AbstractGeneratedRuntimeType.java
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* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/CamelCaseWithNamespaceNamingStrategy.java
*
 /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/rt/AbstractCompositeRuntimeType.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/rt/AbstractObjectRuntimeType.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/rt/DefaultOutputRuntimeType.java
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* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/ClassNamingStrategy.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/GeneratedUnionBuilder.java
*
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* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/AbstractAugmentGenerator.java
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* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/ListGenerator.java
*
/opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/ModuleNamingStrategy.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/rt/DefaultNotificationRuntimeType.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/rt/DefaultKeyRuntimeType.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/rt/DefaultContainerRuntimeType.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/ContainerGenerator.java
*
/opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/AbstractTypeAwareGenerator.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/ActionGenerator.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/AbstractExplicitGenerator.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/di/SingletonBindingRuntimeGenerator.java
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* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/ModuleAugmentGenerator.java
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/opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/rt/DefaultGroupingRuntimeType.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/BindingRuntimeTypesFactory.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/rt/DefaultActionRuntimeType.java
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* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/TypeReference.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/rt/DefaultIdentityRuntimeType.java
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/opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/CamelCaseNamingStrategy.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/CaseGenerator.java
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* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/rt/DefaultAugmentRuntimeType.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/ChoiceGenerator.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/rt/DefaultYangDataRuntimeType.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/rt/DefaultModuleRuntimeType.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/IdentityGenerator.java
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/opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/TypedefGenerator.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/MatchStrategy.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/ModuleGenerator.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/AbstractTypeObjectGenerator.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/GeneratorReactor.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-

jar/org/opendaylight/mdsal/binding/generator/impl/reactor/NotificationGenerator.java
*
/opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/OperationContainerGenerator.java
* /opt/cola/permits/2321875255_1737311560.861741/0/mdsal-binding-generator-13-0-6-sources-jar/org/opendaylight/mdsal/binding/generator/impl/reactor/LeafListGenerator.java

1.7577 netconf-auth 7.0.9

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* /opt/cola/permits/2321875642_1737311324.8222961/0/netconf-auth-7-0-9-sources-jar/org/opendaylight/netconf/auth/AuthProvider.java
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1.7578 apache-karaf-jaas-modules 4.4.6

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1.7579 servlet-api 0.19.6

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* /opt/cola/permits/2321874691_1737311655.9934604/0/servlet-api-0-19-6-sources-jar/org/opendaylight/aaa/web/servlet/ServletSupport.java

1.7580 apache-karaf-scr-state 4.4.6

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1.7581 yang-data-tree-ri 13.0.7

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* /opt/cola/permits/2321875841_1737311621.3532577/0/yang-data-tree-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/leafref/QNamePredicateBuilder.java
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* /opt/cola/permits/2321875841_1737311621.3532577/0/yang-data-tree-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/leafref/QNameWithPredicateImpl.java
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* /opt/cola/permits/2321875841_1737311621.3532577/0/yang-data-tree-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/impl/ModifiedNode.java
* /opt/cola/permits/2321875841_1737311621.3532577/0/yang-data-tree-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/impl/node/MutableTreeNode.java
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1.7582 yang-data-tree-spi 13.0.7

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* /opt/cola/permits/2321875538_1737311277.8623414/0/yang-data-tree-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/spi/NormalizedNodeDataTreeCandidateNode.java
* /opt/cola/permits/2321875538_1737311277.8623414/0/yang-data-tree-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/spi/RecursiveDeleteCandidateNode.java
* /opt/cola/permits/2321875538_1737311277.8623414/0/yang-data-tree-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/spi/DeleteLeafCandidateNode.java
* /opt/cola/permits/2321875538_1737311277.8623414/0/yang-data-tree-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/spi/AbstractAvailableLeafCandidateNode.java
* /opt/cola/permits/2321875538_1737311277.8623414/0/yang-data-tree-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/spi/DefaultDataTreeCandidate.java
* /opt/cola/permits/2321875538_1737311277.8623414/0/yang-data-tree-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/spi/RecursiveReplaceCandidateNode.java
* /opt/cola/permits/2321875538_1737311277.8623414/0/yang-data-tree-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/spi/RecursiveWriteCandidateNode.java
* /opt/cola/permits/2321875538_1737311277.8623414/0/yang-data-tree-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/spi/AbstractWriteCandidate.java
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* /opt/cola/permits/2321875538_1737311277.8623414/0/yang-data-tree-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/spi/AbstractRecursiveCandidateNode.java
* /opt/cola/permits/2321875538_1737311277.8623414/0/yang-data-tree-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/tree/spi/UnmodifiedLeafCandidateNode.java
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1.7583 rfc6643-model-api 13.0.7

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* /opt/cola/permits/2321875174_1737311439.4994578/0/rfc6643-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6643/model/api/MaxAccess.java
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* /opt/cola/permits/2321875174_1737311439.4994578/0/rfc6643-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6643/model/api/ImpliedStatement.java
* /opt/cola/permits/2321875174_1737311439.4994578/0/rfc6643-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6643/model/api/OidSchemaNode.java
* /opt/cola/permits/2321875174_1737311439.4994578/0/rfc6643-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6643/model/api/ImpliedEffectiveStatement.java
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* /opt/cola/permits/2321875174_1737311439.4994578/0/rfc6643-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6643/model/api/AliasEffectiveStatement.java
* /opt/cola/permits/2321875174_1737311439.4994578/0/rfc6643-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6643/model/api/DefValSchemaNode.java

* /opt/cola/permits/2321875174_1737311439.4994578/0/rfc6643-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6643/model/api/AliasSchemaNode.java
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* /opt/cola/permits/2321875174_1737311439.4994578/0/rfc6643-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6643/model/api/DisplayHintSchemaNode.java
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* /opt/cola/permits/2321875174_1737311439.4994578/0/rfc6643-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6643/model/api/DisplayHintStatement.java
* /opt/cola/permits/2321875174_1737311439.4994578/0/rfc6643-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6643/model/api/ImpliedSchemaNode.java
* /opt/cola/permits/2321875174_1737311439.4994578/0/rfc6643-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6643/model/api/DefValEffectiveStatement.java
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* /opt/cola/permits/2321875174_1737311439.4994578/0/rfc6643-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6643/model/api/IetfYangSmiv2ExtensionsMapping.java
* /opt/cola/permits/2321875174_1737311439.4994578/0/rfc6643-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6643/model/api/ObjectIdentifier.java
* /opt/cola/permits/2321875174_1737311439.4994578/0/rfc6643-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6643/model/api/AliasStatement.java

1.7584 apache-karaf-config-command 4.4.6

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1.7587 value 2.10.1

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1.7588 pax-web-websocket 8.0.27

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1.7589 dom-codec 1.16.2

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1.7590 jersey-container-servlet 2.44

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* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/conduits/Conduits.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/conduits/MessageSourceConduit.java
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/opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/conduits/StreamSinkConduit.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/management/XnioServerMXBean.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/CloseListenerSettable.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/AutomaticReference.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/conduits/ConduitWritableByteChannel.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/conduits/StreamSinkChannelWrappingConduit.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/sasl/SaslWrappingConduit.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/conduits/InflatingStreamSourceConduit.java
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* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/conduits/MessageStreamSinkConduit.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/conduits/NullStreamSinkConduit.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/ssl/JsseStreamConduit.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/conduits/SourceConduit.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/WriteListenerSettable.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/conduits/AbstractStreamSourceConduit.java
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/opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/conduits/MessageSinkConduit.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/ssl/AbstractAcceptingSslChannel.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/conduits/AbstractMessageSourceConduit.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/management/XnioWorkerMXBean.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/StreamConnection.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/ssl/JsseSslStreamSinkConduit.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/conduits/FramingMessageSinkConduit.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/conduits/BlockingStreamSourceConduit.java
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* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/conduits/AbstractMessageSinkConduit.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/conduits/AbstractSynchronizedSourceConduit.java
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* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/conduits/SynchronizedMessageSinkConduit.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/conduits/ConduitWritableMessageChannel.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/ssl/JsseSslStreamSourceConduit.java
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* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/conduits/WriteReadyHandler.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/management/XnioProviderMXBean.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/FileSystemWatcher.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/http/HttpUpgradeParser.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/conduits/SinkConduit.java
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*
/opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/FutureResult.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/sasl/SaslStrength.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/OptionMap.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/ByteString.java
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* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-

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* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/FixedLengthStreamSinkChannel.java
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* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/FixedLengthOverflowException.java
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*
 /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/streams/LimitedOutputStream.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/ByteBufferSlicePool.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-

jar/org/xnio/LocalSocketAddress.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/SocketAddressBuffer.java
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* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/ReadTimeoutException.java
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* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/http/ConnectionClosedEarlyException.java
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* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/SuspendableReadChannel.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/IoUtils.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/AbstractIoFuture.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/streams/ChannelOutputStream.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/StreamSourceChannel.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/Buffers.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/WritableMessageChannel.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/SuspendableWriteChannel.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/MulticastMessageChannel.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/StreamSinkChannel.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/IoFuture.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/ReadableMultipointMessageChannel.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/Channels.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/WritableMultipointMessageChannel.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/UnsupportedOptionException.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/ReadableMessageChannel.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/streams/ChannelInputStream.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/Configurable.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/Xnio.java
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* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/AssembledConnectedStreamChannel.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/PushBackStreamChannel.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/BrokenPipeException.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/EmptyStreamSourceChannel.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/AssembledStreamChannel.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/AssembledConnectedMessageChannel.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/AssembledChannel.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/ConcurrentStreamChannelAccessException.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/AssembledConnectedChannel.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/ChannelPipe.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/AssembledSslChannel.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/FixedLengthStreamSourceChannel.java

* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/DelegatingChannelListener.java
* /opt/cola/permits/2321875141_1737311503.5788965/0/xnio-api-3-8-11-final-sources-jar/org/xnio/channels/AssembledMessageChannel.java
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* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/source/SourceRepresentation.java
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* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/DescriptionEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/ImportEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/MandatoryAware.java
*
 /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/BelongsToEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-

jar/org/opendaylight/yangtools/yang/model/api/stmt/StatusEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/UsesEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/type/Int16TypeDefinition.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/ContainerEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/OrganizationEffectiveStatement.java
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/opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/IncludeEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/FeatureEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/type/Uint64TypeDefinition.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/PathEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/PresenceEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/UnitsEffectiveStatement.java
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/opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/RefineEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/OutputEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/SubmoduleEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/MustConstraintAware.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/YangVersionEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/ArgumentEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/FractionDigitsEffectiveStatement.java
*
/opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/AugmentEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/LeafEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/NamespaceEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/UnknownEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/BitEffectiveStatement.java

* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/IfFeatureEffectiveStatement.java
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 /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/NotificationEffectiveStatement.java
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* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/ErrorMessageEffectiveStatement.java
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* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/WhenEffectiveStatement.java
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* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/EnumEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/UniqueEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/ListEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/ModifierEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/RevisionDateEffectiveStatement.java
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* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/AnyxmlEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/ChoiceEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/RequireInstanceEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/OrderedByEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/DeviateEffectiveStatement.java
*
 /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/TypeAware.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/IdentityEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/YinElementEffectiveStatement.java

* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/InputEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/ExtensionEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/ValueEffectiveStatement.java
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/opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/DeviationEffectiveStatement.java
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* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/KeyEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/RevisionEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/type/Uint16TypeDefinition.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/ElementCountConstraintAware.java
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* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/PositionEffectiveStatement.java
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* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/UnrecognizedStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/CopyableNode.java
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* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/MustStatementAwareDeclaredStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/DefaultStatementAwareDeclaredStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/SchemaTreeEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/OperationDeclaredStatement.java
*

/opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/SchemaTreeAwareEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/DataDefinitionAwareDeclaredStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/DataTreeAwareEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/meta/DefaultStatementDefinition.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/DataTreeEffectiveStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/ActionStatementAwareDeclaredStatement.java
*
/opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/MandatoryStatementAwareDeclaredStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/NotificationStatementAwareDeclaredStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/stmt/ConfigStatementAwareDeclaredStatement.java
* /opt/cola/permits/2321874684_1737311430.1649942/0/yang-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/api/AddedByUsesAware.java

1.7593 keycloak-osgi-adapter 8.0.27

1.7593.1 Available under license :

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* /opt/cola/permits/2321875004_1737311766.9482749/0/keycloak-osgi-adapter-8-0-27-sources-jar/org/keycloak/adapters/osgi/HierarchicalPathBasedKeycloakConfigResolver.java
* /opt/cola/permits/2321875004_1737311766.9482749/0/keycloak-osgi-adapter-8-0-27-sources-

jar/org/keycloak/adapters/osgi/BundleBasedKeycloakConfigResolver.java
*
 /opt/cola/permits/2321875004_1737311766.9482749/0/keycloak-osgi-adapter-8-0-27-sources-jar/org/keycloak/adapters/osgi/PathBasedKeycloakConfigResolver.java
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Found in path(s):
* /opt/cola/permits/2321875004_1737311766.9482749/0/keycloak-osgi-adapter-8-0-27-sources-jar/META-INF/maven/org.ops4j.pax.web/keycloak-osgi-adapter/pom.xml

1.7594 pax-web-jetty-keycloak18 8.0.27

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```

#

org.keycloak.adapters.osgi.jetty94.KeycloakAuthenticatorService

Found in path(s):
* /opt/cola/permits/2321875520_1737311270.1231108/0/pax-web-jetty-keycloak18-8-0-27-sources-jar/META-INF/services/org.ops4j.pax.web.service.AuthenticatorService
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* /opt/cola/permits/2321875520_1737311270.1231108/0/pax-web-jetty-keycloak18-8-0-27-sources-jar/META-INF/maven/org.ops4j.pax.web/pax-web-jetty-keycloak18/pom.xml

1.7595 mdsal-binding-runtime-osgi 13.0.6

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* /opt/cola/permits/2321874171_1737311553.5770094/0/mdsal-binding-runtime-osgi-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/osgi/OSGiBindingRuntimeContext.java

* /opt/cola/permits/2321874171_1737311553.5770094/0/mdsal-binding-runtime-osgi-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/osgi/impl/OSGiBindingRuntime.java
* /opt/cola/permits/2321874171_1737311553.5770094/0/mdsal-binding-runtime-osgi-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/osgi/impl/GlobalBindingRuntimeContext.java
* /opt/cola/permits/2321874171_1737311553.5770094/0/mdsal-binding-runtime-osgi-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/osgi/impl/OSGiBindingRuntimeContextImpl.java
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* /opt/cola/permits/2321874171_1737311553.5770094/0/mdsal-binding-runtime-osgi-13-0-6-sources-jar/META-INF/maven/org.opendaylight.mdsal/mdsal-binding-runtime-osgi/pom.xml
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* /opt/cola/permits/2321874171_1737311553.5770094/0/mdsal-binding-runtime-osgi-13-0-6-sources-jar/module-info.java

1.7596 ietf-topology 2013.10.21.25.6

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* /opt/cola/permits/2321874918_1737311675.5426424/0/ietf-topology-2013-10-21-25-6-sources-jar/META-INF/maven/org.opendaylight.mdsal.model/ietf-topology/pom.xml

1.7597 rfc6243 7.0.9

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Found in path(s):
* /opt/cola/permits/2321874826_1737311629.2754874/0/rfc6243-7-0-9-sources-jar/META-INF/yang/ietf-netconf-with-defaults@2011-06-01.yang
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```
/**
* This module defines an extension to the NETCONF protocol that allows the
* client to control how default values are handled by the server in particular
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* (http://trustee.ietf.org/license-info). This version of this YANG module is
* of RFC 6243; see the RFC itself for full legal notices.
*
* <p>
* This class represents the following YANG schema fragment defined in module <b>ietf-netconf-with-defaults</b>
* <pre>
* module ietf-netconf-with-defaults {
*   namespace urn:ietf:params:xml:ns:yang:ietf-netconf-with-defaults;
 *   prefix ncwd;
*   import ietf-netconf {
*     prefix nc;
*   }
*   revision 2011-06-01 {
*   }
*   typedef with-defaults-mode {
*     type enumeration {
*       enum report-all {
*       }
*       enum report-all-tagged {
*       }
*       enum trim {
*       }
```

```
*       enum explicit {
*       }
*     }
*   }
*   grouping with-defaults-parameters {
*     leaf with-defaults {
*       type with-defaults-mode;
*     }
*   }
*   augment /nc:get-config/nc:input {
*     uses with-defaults-parameters;
*   }
*   augment /nc:get/nc:input {
*     uses with-defaults-parameters;
*   }
*   augment /nc:copy-config/nc:input {
*     uses with-defaults-parameters;
*   }
* }
* </pre>
*
*/
```

Found in path(s):
* /opt/cola/permits/2321874826_1737311629.2754874/0/rfc6243-7-0-9-sources-jar/org/opendaylight/yang/gen/v1/urn/ietf/params/xml/ns/yang/ietf/netconf/with/defaults/rev110601/IetfNetconfWithDefaultsData.java
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1.7598 cds-access-api 9.0.5

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* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/SkipTransactionsResponse.java
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* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/AbstractLocalTransactionRequest.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/TransactionFailure.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/PastVersionException.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/LocalHistorySuccess.java
*
 /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/concepts/MemberName.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-

jar/org/opendaylight/controller/cluster/access/commands/TransactionAbortRequest.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/commands/ModifyTransactionRequestBuilder.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/commands/LocalHistoryFailure.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/concepts/LocalHistoryIdentifier.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/concepts/TransactionIdentifier.java
*
/opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/commands/DeadHistoryException.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/concepts/ClientIdentifier.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/commands/TransactionMerge.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/ABIVersion.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/commands/TransactionPreCommitSuccess.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/commands/PersistenceProtocol.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/commands/ModifyTransactionSuccess.java
*
/opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/concepts/RequestFailure.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/concepts/FrontendType.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/commands/ModifyTransactionRequest.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/FutureVersionException.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/commands/TransactionDelete.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/commands/ReadTransactionRequest.java
*
/opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/commands/DestroyLocalHistoryRequest.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/concepts/RetiredGenerationException.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/commands/OutOfOrderRequestException.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/AbstractVersionException.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-
jar/org/opendaylight/controller/cluster/access/commands/TransactionCanCommitSuccess.java

* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/CreateLocalHistoryRequest.java
*
 /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/concepts/RuntimeRequestException.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/package-info.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/package-info.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/TransactionWrite.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/CommitLocalTransactionRequest.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/TransactionDoCommitRequest.java
*
 /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/ExistsTransactionRequest.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/TransactionDataModification.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/ConnectClientFailure.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/UnknownHistoryException.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/TransactionModification.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/concepts/RequestEnvelope.java
*
 /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/concepts/SuccessEnvelope.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/IncrementTransactionSequenceSuccess.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/TransactionSuccess.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/ConnectClientSuccess.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/concepts/FailureEnvelope.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/ConnectClientRequest.java
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* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/concepts/package-info.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/concepts/ResponseEnvelope.java

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* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/TransactionCommitSuccess.java
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* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/DeadTransactionException.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/ReadTransactionSuccess.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/TransactionPreCommitRequest.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/concepts/Envelope.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/concepts/Response.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/concepts/RequestSuccess.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/NotLeaderException.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/concepts/Message.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/AbortLocalTransactionRequest.java
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* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/concepts/RE.java
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* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/HF.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/HS.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/concepts/TI.java
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* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/CCS.java

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* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/DHR.java
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/opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/concepts/HI.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/STR.java
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* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/TCCS.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/RTR.java
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* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/OutOfSequenceEnvelopeException.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/AbstractReadPathTransactionRequest.java
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* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/ClosedTransactionException.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/TransactionPurgeRequest.java
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* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/TransactionRequest.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/AbstractReadTransactionRequest.java
* /opt/cola/permits/2321875040_1737311585.4693487/0/cds-access-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/access/commands/LocalHistoryRequest.java

1.7599 pax-web-tomcat-common 8.0.27

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* /opt/cola/permits/2321875687_1737311707.8468323/0/pax-web-tomcat-common-8-0-27-sources-jar/META-INF/maven/org.ops4j.pax.web/pax-web-tomcat-common/pom.xml
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1.7600 manual 4.4.6

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\u001B[1mSYNOPSIS\u001B[0m
  ${project.name}

${project.description}

Maven URL:
\u001B[33mmvn:${project.groupId}/${project.artifactId}/${project.version}\u001B[0m

\u001B[1mDESCRIPTION\u001B[0m
The war extender wraps standard war files or web application bundles to the HTTP Service.
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1.7605 mdsal-binding-dom-codec-spi 13.0.6

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Found in path(s):
* /opt/cola/permits/2321875144_1737311694.3714802/0/mdsal-binding-dom-codec-spi-13-0-6-sources-jar/META-INF/maven/org.opendaylight.mdsal/mdsal-binding-dom-codec-spi/pom.xml
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* /opt/cola/permits/2321875144_1737311694.3714802/0/mdsal-binding-dom-codec-spi-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/spi/BindingSchemaMapping.java
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* /opt/cola/permits/2321875144_1737311694.3714802/0/mdsal-binding-dom-codec-spi-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/spi/ForwardingBindingDOMCodecServices.java
* /opt/cola/permits/2321875144_1737311694.3714802/0/mdsal-binding-dom-codec-spi-13-0-6-sources-

jar/org/opendaylight/mdsal/binding/dom/codec/spi/AbstractBindingNormalizedNodeSerializer.java
* /opt/cola/permits/2321875144_1737311694.3714802/0/mdsal-binding-dom-codec-spi-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/spi/LazyActionOutputContainerNode.java
*
/opt/cola/permits/2321875144_1737311694.3714802/0/mdsal-binding-dom-codec-spi-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/spi/BindingDOMCodecServices.java
* /opt/cola/permits/2321875144_1737311694.3714802/0/mdsal-binding-dom-codec-spi-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/spi/AbstractLazyActionContainerNode.java
* /opt/cola/permits/2321875144_1737311694.3714802/0/mdsal-binding-dom-codec-spi-13-0-6-sources-jar/org/opendaylight/mdsal/binding/dom/codec/spi/LazyActionInputContainerNode.java
* /opt/cola/permits/2321875144_1737311694.3714802/0/mdsal-binding-dom-codec-spi-13-0-6-sources-jar/module-info.java

1.7606 apache-karaf-shell-table 4.4.6

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1.7607 rfc8525 13.0.6

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/**
* This module provides information about the YANG modules, datastores, and
* datastore schemas used by a network management server. The key words 'MUST',
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* full legal notices.
*
* <p>
* This class represents the following YANG schema fragment defined in module ietf-yang-library
* <pre>
* module ietf-yang-library {
*   yang-version 1.1;
*   namespace urn:ietf:params:xml:ns:yang:ietf-yang-library;

```
*   prefix yanglib;
*   import ietf-yang-types {
*     prefix yang;
*   }
*   import ietf-inet-types {
*     prefix inet;
*   }
*   import ietf-datastores {
*     prefix ds;
*   }
*   revision 2019-01-04 {
*   }
*   revision 2016-04-09 {
*   }
*   typedef revision-identifier {
*     type string {
*       pattern "\d{4}-\d{2}-\d{2}";
*     }
*   }
*   grouping module-identification-leafs {
*     leaf name {
*       type yang:yang-identifier;
*     }
*     leaf revision {
*       type revision-identifier;
*     }
*   }
*   grouping location-leaf-list {
*     leaf-list location {
*       type inet:uri;
*     }
*   }
*   grouping module-implementation-parameters {
*     leaf-list feature
 {
*       type yang:yang-identifier;
*     }
*     leaf-list deviation {
*       type leafref {
*         path ../../module/name;
*       }
*     }
*   }
*   grouping module-set-parameters {
*     leaf name {
*       type string;
*     }
*     list module {
```

```
*      key name;
*      uses module-identification-leafs;
*      leaf namespace {
*        type inet:uri;
*      }
*      uses location-leaf-list;
*      list submodule {
*        key name;
*        uses module-identification-leafs;
*        uses location-leaf-list;
*      }
*      uses module-implementation-parameters;
*    }
*    list import-only-module {
*      key "name revision";
*      leaf name {
*        type yang:yang-identifier;
*      }
*      leaf revision {
*        type union {
*          type revision-identifier;
*          type string {
*            length 0;
*          }
*        }
*      }
*      leaf namespace {
*        type inet:uri;
*
   }
*      uses location-leaf-list;
*      list submodule {
*        key name;
*        uses module-identification-leafs;
*        uses location-leaf-list;
*      }
*    }
*  }
*  grouping yang-library-parameters {
*    list module-set {
*      key name;
*      uses module-set-parameters;
*    }
*    list schema {
*      key name;
*      leaf name {
*        type string;
*      }
```

```
*      leaf-list module-set {
*        type leafref {
*          path ../../module-set/name;
*        }
*      }
*    }
*    list datastore {
*      key name;
*      leaf name {
*        type ds:datastore-ref;
*      }
*      leaf schema {
*        type leafref {
*          path ../../schema/name;
*        }
*      }
*    }
*  }
*  container yang-library {
*    config false;
*    uses yang-library-parameters;
*    leaf content-id {
*      type string;
*    }
*  }
*  notification yang-library-update {
*    leaf content-id
 {
*      type leafref {
*        path /yanglib:yang-library/yanglib:content-id;
*      }
*    }
*  }
*  grouping module-list {
*    status deprecated;
*    grouping common-leafs {
*      status deprecated;
*      leaf name {
*        type yang:yang-identifier;
*        status deprecated;
*      }
*      leaf revision {
*        type union {
*          type revision-identifier;
*          type string {
*            length 0;
*          }
*        }
```

```
*        status deprecated;
*      }
*    }
*    grouping schema-leaf {
*      status deprecated;
*      leaf schema {
*        type inet:uri;
*      }
*    }
*    list module {
*      key "name revision";
*      status deprecated;
*      uses common-leafs {
*        status deprecated;
*      }
*      uses schema-leaf {
*        status deprecated;
*      }
*      leaf namespace {
*        type inet:uri;
*        status deprecated;
*      }
*      leaf-list
 feature {
*        type yang:yang-identifier;
*        status deprecated;
*      }
*      list deviation {
*        key "name revision";
*        status deprecated;
*        uses common-leafs {
*          status deprecated;
*        }
*      }
*      leaf conformance-type {
*        type enumeration {
*          enum implement {
*          }
*          enum import {
*          }
*        }
*        status deprecated;
*      }
*      list submodule {
*        key "name revision";
*        status deprecated;
*        uses common-leafs {
*          status deprecated;
```

```
*        }
*        uses schema-leaf {
*          status deprecated;
*        }
*      }
*    }
*  }
*  container modules-state {
*    config false;
*    status deprecated;
*    leaf module-set-id {
*      type string;
*      status deprecated;
*    }
*    uses module-list {
*      status deprecated;
*    }
*  }
*  notification yang-library-change
 {
*    status deprecated;
*    leaf module-set-id {
*      type leafref {
*        path /yanglib:modules-state/yanglib:module-set-id;
*      }
*      status deprecated;
*    }
*  }
* }
* </pre>
*
*/
```

Found in path(s):
* /opt/cola/permits/2321874710_1737311456.1006064/0/rfc8525-13-0-6-sources-jar/org/opendaylight/yang/gen/v1/urn/ietf/params/xml/ns/yang/ietf/yang/library/rev190104/IetfYangLibraryData.java
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1.7608 pax-web-tomcat-keycloak18 8.0.27

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* /opt/cola/permits/2321875462_1737311351.2275078/0/pax-web-tomcat-keycloak18-8-0-27-sources-jar/META-INF/maven/org.ops4j.pax.web/pax-web-tomcat-keycloak18/pom.xml
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#
```

org.keycloak.adapters.osgi.tomcat.KeycloakAuthenticatorService

Found in path(s):
* /opt/cola/permits/2321875462_1737311351.2275078/0/pax-web-tomcat-keycloak18-8-0-27-sources-jar/META-INF/services/org.ops4j.pax.web.service.AuthenticatorService

1.7609 mdsal-binding-runtime-api 13.0.6

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```

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* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/module-info.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/ModuleInfoSnapshot.java
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* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/IdentityRuntimeType.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/AugmentRuntimeType.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/RuntimeType.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/RuntimeTypeContainer.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/ModuleRuntimeType.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-

jar/org/opendaylight/mdsal/binding/runtime/api/ChoiceRuntimeType.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/LeafRuntimeType.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/GeneratedRuntimeType.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/OutputRuntimeType.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/ActionRuntimeType.java
*
 /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/AnyxmlRuntimeType.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/CompositeRuntimeType.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/FeatureRuntimeType.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/InputRuntimeType.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/RuntimeGeneratedUnion.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/KeyRuntimeType.java
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 /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/ListRuntimeType.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/ContainerRuntimeType.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/GroupingRuntimeType.java
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* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/CaseRuntimeType.java
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* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/AnydataRuntimeType.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/OpaqueRuntimeType.java
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* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/BindingRuntimeGenerator.java
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* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/AbstractBindingRuntimeContext.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/BindingRuntimeContext.java
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* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/InvokableRuntimeType.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/AugmentableRuntimeType.java
* /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/DataRuntimeType.java
*
 /opt/cola/permits/2321875427_1737311427.7208266/0/mdsal-binding-runtime-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/runtime/api/TypedefRuntimeType.java

1.7610 apache-karaf-kar-core 4.4.6

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1.7611 pax-logging-log4j2 2.2.7

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1.7612 apache-karaf-service-core 4.4.6

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1.7614 sal-cluster-admin-api 9.0.5

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* /opt/cola/permits/2321874589_1737311713.9813917/0/mdsal-binding-util-13-0-6-sources-jar/org/opendaylight/mdsal/binding/util/ManagedTransactionChainImpl.java
* /opt/cola/permits/2321874589_1737311713.9813917/0/mdsal-binding-util-13-0-6-sources-jar/org/opendaylight/mdsal/binding/util/TypedReadWriteTransactionImpl.java
* /opt/cola/permits/2321874589_1737311713.9813917/0/mdsal-binding-util-13-0-6-sources-jar/org/opendaylight/mdsal/binding/util/Datastore.java
* /opt/cola/permits/2321874589_1737311713.9813917/0/mdsal-binding-util-13-0-6-sources-jar/org/opendaylight/mdsal/binding/util/WriteTrackingReadWriteTransaction.java
* /opt/cola/permits/2321874589_1737311713.9813917/0/mdsal-binding-util-13-0-6-sources-jar/org/opendaylight/mdsal/binding/util/TypedReadTransaction.java
* /opt/cola/permits/2321874589_1737311713.9813917/0/mdsal-binding-util-13-0-6-sources-jar/org/opendaylight/mdsal/binding/util/ManagedTransactionFactoryImpl.java
* /opt/cola/permits/2321874589_1737311713.9813917/0/mdsal-binding-util-13-0-6-sources-jar/org/opendaylight/mdsal/binding/util/TypedReadTransactionImpl.java
* /opt/cola/permits/2321874589_1737311713.9813917/0/mdsal-binding-util-13-0-6-sources-jar/org/opendaylight/mdsal/binding/util/TypedTransaction.java
* /opt/cola/permits/2321874589_1737311713.9813917/0/mdsal-binding-util-13-0-6-sources-jar/org/opendaylight/mdsal/binding/util/WriteTrackingTypedReadWriteTransactionImpl.java
* /opt/cola/permits/2321874589_1737311713.9813917/0/mdsal-binding-util-13-0-6-sources-jar/org/opendaylight/mdsal/binding/util/TransactionAdapter.java
* /opt/cola/permits/2321874589_1737311713.9813917/0/mdsal-binding-util-13-0-6-sources-jar/org/opendaylight/mdsal/binding/util/ManagedTransactionChain.java
* /opt/cola/permits/2321874589_1737311713.9813917/0/mdsal-binding-util-13-0-6-sources-jar/org/opendaylight/mdsal/binding/util/WriteTrackingWriteTransaction.java
* /opt/cola/permits/2321874589_1737311713.9813917/0/mdsal-binding-util-13-0-6-sources-jar/org/opendaylight/mdsal/binding/util/TypedReadWriteTransaction.java
* /opt/cola/permits/2321874589_1737311713.9813917/0/mdsal-binding-util-13-0-6-sources-jar/org/opendaylight/mdsal/binding/util/CheckedFunction.java
* /opt/cola/permits/2321874589_1737311713.9813917/0/mdsal-binding-util-13-0-6-sources-jar/org/opendaylight/mdsal/binding/util/WriteTrackingTypedWriteTransactionImpl.java
* /opt/cola/permits/2321874589_1737311713.9813917/0/mdsal-binding-util-13-0-6-sources-jar/org/opendaylight/mdsal/binding/util/TypedWriteTransactionImpl.java
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* /opt/cola/permits/2321874653_1737311696.3071146/0/aaa-shiro-0-19-6-sources-jar/org/opendaylight/aaa/shiro/realm/ODLJndiLdapRealmAuthNOnly.java
* /opt/cola/permits/2321874653_1737311696.3071146/0/aaa-shiro-0-19-6-sources-

jar/org/opendaylight/aaa/shiro/filters/AuthenticationListener.java
* /opt/cola/permits/2321874653_1737311696.3071146/0/aaa-shiro-0-19-6-sources-jar/org/opendaylight/aaa/shiro/filters/AAAShiroFilter.java
* /opt/cola/permits/2321874653_1737311696.3071146/0/aaa-shiro-0-19-6-sources-jar/org/opendaylight/aaa/shiro/realm/mapping/impl/BestAttemptGroupToRolesMappingStrategy.java
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* /opt/cola/permits/2321874653_1737311696.3071146/0/aaa-shiro-0-19-6-sources-jar/org/opendaylight/aaa/shiro/realm/util/http/UntrustedSSL.java
* /opt/cola/permits/2321874653_1737311696.3071146/0/aaa-shiro-0-19-6-sources-jar/org/opendaylight/aaa/shiro/realm/util/http/SimpleHttpRequest.java
* /opt/cola/permits/2321874653_1737311696.3071146/0/aaa-shiro-0-19-6-sources-jar/org/opendaylight/aaa/shiro/realm/KeystoneAuthRealm.java
* /opt/cola/permits/2321874653_1737311696.3071146/0/aaa-shiro-0-19-6-sources-jar/org/opendaylight/aaa/shiro/keystone/domain/KeystoneAuth.java
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* /opt/cola/permits/2321874653_1737311696.3071146/0/aaa-shiro-0-19-6-sources-jar/org/opendaylight/aaa/shiro/moon/MoonPrincipal.java
* /opt/cola/permits/2321874653_1737311696.3071146/0/aaa-shiro-0-19-6-sources-jar/org/opendaylight/aaa/shiro/realm/MoonRealm.java
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* /opt/cola/permits/2321874653_1737311696.3071146/0/aaa-shiro-0-19-6-sources-jar/org/opendaylight/aaa/shiro/idm/DomainHandler.java
* /opt/cola/permits/2321874653_1737311696.3071146/0/aaa-shiro-0-19-6-sources-jar/org/opendaylight/aaa/shiro/idm/IdmLightApplication.java
* /opt/cola/permits/2321874653_1737311696.3071146/0/aaa-shiro-0-19-6-sources-jar/org/opendaylight/aaa/shiro/idm/UserHandler.java
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* /opt/cola/permits/2321874653_1737311696.3071146/0/aaa-shiro-0-19-6-sources-jar/org/opendaylight/aaa/shiro/web/env/ShiroWebContextSecurer.java
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* /opt/cola/permits/2321874653_1737311696.3071146/0/aaa-shiro-0-19-6-sources-jar/org/opendaylight/aaa/shiro/principal/ODLPrincipalImpl.java
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* /opt/cola/permits/2321874653_1737311696.3071146/0/aaa-shiro-0-19-6-sources-jar/org/opendaylight/aaa/shiro/realm/MdsalRealm.java
* /opt/cola/permits/2321874653_1737311696.3071146/0/aaa-shiro-0-19-6-sources-jar/org/opendaylight/aaa/shiro/realm/util/http/header/HeaderUtils.java
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* /opt/cola/permits/2321874653_1737311696.3071146/0/aaa-shiro-0-19-6-sources-jar/org/opendaylight/aaa/shiro/realm/TokenAuthRealm.java
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1.7617 karafjaasjasypt 4.4.6

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1.7618 mdsal-binding-dom-codec-api 13.0.6

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1.7619 yang-data-spi 13.0.7

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* /opt/cola/permits/2321875028_1737311735.0825074/0/yang-data-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/spi/node/impl/ImmutableBuilderFactory.java
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* /opt/cola/permits/2321875028_1737311735.0825074/0/yang-data-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/spi/node/impl/ImmutableContainerNode.java
* /opt/cola/permits/2321875028_1737311735.0825074/0/yang-data-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/spi/node/ImmutableNodes.java
* /opt/cola/permits/2321875028_1737311735.0825074/0/yang-data-spi-13-0-7-sources-

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* /opt/cola/permits/2321875028_1737311735.0825074/0/yang-data-spi-13-0-7-sources-
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jar/org/opendaylight/yangtools/yang/data/spi/node/impl/ImmutableMapEntryNode.java
* /opt/cola/permits/2321875028_1737311735.0825074/0/yang-data-spi-13-0-7-sources-
jar/org/opendaylight/yangtools/yang/data/spi/node/impl/ImmutableSystemMapNode.java
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* /opt/cola/permits/2321875028_1737311735.0825074/0/yang-data-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/spi/node/InterningLeafNodeBuilder.java
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1.7620 rfc7952-model-api 13.0.7

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* /opt/cola/permits/2321875160_1737311579.1969426/0/rfc7952-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc7952/model/api/AnnotationEffectiveStatement.java
* /opt/cola/permits/2321875160_1737311579.1969426/0/rfc7952-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc7952/model/api/package-info.java
* /opt/cola/permits/2321875160_1737311579.1969426/0/rfc7952-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc7952/model/api/AnnotationStatement.java
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* /opt/cola/permits/2321875160_1737311579.1969426/0/rfc7952-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc7952/model/api/AnnotationSchemaNodeAwareSchemaContext.java

1.7621 cds-mgmt-api 9.0.5

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* /opt/cola/permits/2321875180_1737311600.123117/0/cds-mgmt-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/jmx/mbeans/DatastoreInfoMXBean.java
* /opt/cola/permits/2321875180_1737311600.123117/0/cds-mgmt-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/mgmt/api/FollowerInfo.java
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* /opt/cola/permits/2321875180_1737311600.123117/0/cds-mgmt-api-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/jmx/mbeans/shard/ShardDataTreeListenerInfoMXBean.java

1.7622 odlext-parser-support 13.0.7

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* /opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/InstanceTargetEffectiveStatementImpl.java
* /opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/MountStatementImpl.java

* /opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/MountEffectiveStatementImpl.java
*
/opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/RefContextInstanceStatement.java
* /opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/ContextInstanceStatementSupport.java
* /opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/RefMountStatement.java
* /opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/RpcContextReferenceStatementImpl.java
* /opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/ContextReferenceStatementImpl.java
* /opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/RpcContextReferenceEffectiveStatementImpl.java
*
/opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/InstanceTargetStatementSupport.java
* /opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/ContextReferenceStatementSupport.java
* /opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/RpcContextReferenceStatementSupport.java
* /opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/MountStatementSupport.java
* /opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/AugmentIdentifierStatementImpl.java
* /opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/ContextReferenceEffectiveStatementImpl.java
*
/opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/AbstractIdentityAwareStatementSupport.java
* /opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/RefInstanceTargetStatement.java
* /opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/RefContextReferenceStatement.java
* /opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/InstanceTargetStatementImpl.java
* /opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/ContextInstanceEffectiveStatementImpl.java
* /opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/ContextInstanceStatementImpl.java
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/opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/RefRpcContextReferenceStatement.java
* /opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/AugmentIdentifierStatementSupport.java
* /opt/cola/permits/2321875295_1737311246.2452054/0/odlext-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/odlext/parser/RefAugmentIdentifierStatement.java

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1.7623 apache-karaf-deployer-blueprint 4.4.6

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1.7624 bus-api 1.16.2

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* /opt/cola/permits/2321875699_1737311231.951859/0/bus-api-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/api/SessionType.java
* /opt/cola/permits/2321875699_1737311231.951859/0/bus-api-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/api/BusSession.java
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* /opt/cola/permits/2321875699_1737311231.951859/0/bus-api-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/api/UriBuilder.java
* /opt/cola/permits/2321875699_1737311231.951859/0/bus-api-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/api/RpcMethod.java
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* /opt/cola/permits/2321875699_1737311231.951859/0/bus-api-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/api/RecoverableTransportException.java
* /opt/cola/permits/2321875699_1737311231.951859/0/bus-api-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/api/Requester.java
* /opt/cola/permits/2321875699_1737311231.951859/0/bus-api-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/api/Publisher.java
* /opt/cola/permits/2321875699_1737311231.951859/0/bus-api-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/api/UnrecoverableTransportException.java
* /opt/cola/permits/2321875699_1737311231.951859/0/bus-api-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/api/ClientSession.java
*
/opt/cola/permits/2321875699_1737311231.951859/0/bus-api-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/api/PeerContext.java
* /opt/cola/permits/2321875699_1737311231.951859/0/bus-api-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/api/Subscriber.java
* /opt/cola/permits/2321875699_1737311231.951859/0/bus-api-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/api/Responder.java
* /opt/cola/permits/2321875699_1737311231.951859/0/bus-api-1-16-2-sources-

jar/org/opendaylight/jsonrpc/bus/api/TransportSecurity.java
* /opt/cola/permits/2321875699_1737311231.951859/0/bus-api-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/api/ServerSession.java
* /opt/cola/permits/2321875699_1737311231.951859/0/bus-api-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/api/MessageListener.java

1.7625 pax-jdbc-pool-hikaricp 1.5.7

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```

Found in path(s):
* /opt/cola/permits/2321875483_1737311721.2487082/0/pax-jdbc-pool-hikaricp-1-5-7-sources-jar/org/ops4j/pax/jdbc/pool/hikaricp/impl/HikariPooledDataSourceFactory.java
* /opt/cola/permits/2321875483_1737311721.2487082/0/pax-jdbc-pool-hikaricp-1-5-7-sources-jar/org/ops4j/pax/jdbc/pool/hikaricp/impl/Activator.java
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Found in path(s):
* /opt/cola/permits/2321875483_1737311721.2487082/0/pax-jdbc-pool-hikaricp-1-5-7-sources-jar/META-INF/maven/org.ops4j.pax.jdbc/pax-jdbc-pool-hikaricp/pom.xml

1.7626 rfc8072 13.0.6

1.7626.1 Available under license :

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```
/**
* This module contains conceptual YANG specifications for the YANG Patch and YANG
* Patch Status data structures. Note that the YANG definitions within this module
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* of RFC 8072; see the RFC itself for full legal notices.
*
* <p>
* This class represents the following YANG schema fragment defined in module
 <b>ietf-yang-patch</b>
* <pre>
* module ietf-yang-patch {
*   yang-version 1.1;
*   namespace urn:ietf:params:xml:ns:yang:ietf-yang-patch;
*   prefix ypatch;
*   import ietf-restconf {
*     prefix rc;
*   }
*   revision 2017-02-22 {
*   }
*   typedef target-resource-offset {
*     type string;
*   }
*   rc:yang-data yang-patch {
*     uses yang-patch;
*   }
*   rc:yang-data yang-patch-status {
```

```
*    uses yang-patch-status;
*   }
*   grouping yang-patch {
*    container yang-patch {
*      leaf patch-id {
*        type string;
*      }
*      leaf comment {
*        type string;
*      }
*      list edit {
*        key edit-id;
*        ordered-by user;
*        leaf edit-id {
*          type string;
*        }
*        leaf operation {
*          type enumeration {
*            enum create {
*            }
*            enum delete {
*            }
*            enum insert {
*            }
*            enum merge {
*
         }
*            enum move {
*            }
*            enum replace {
*            }
*            enum remove {
*            }
*          }
*        }
*        leaf target {
*          type target-resource-offset;
*        }
*        leaf point {
*          when "(../operation = 'insert' or ../operation = 'move')and (../where = 'before' or ../where = 'after')" {
*          }
*          type target-resource-offset;
*        }
*        leaf where {
*          when "../operation = 'insert' or ../operation = 'move'" {
*          }
*          type enumeration {
*            enum before {
```

```
*           }
*           enum after {
*           }
*           enum first {
*           }
*           enum last {
*           }
*         }
*         default last;
*       }
*       anydata value {
*         when "../operation = 'create' or ../operation = 'merge' or ../operation = 'replace' or ../operation = 'insert'"
 {
*         }
*       }
*     }
*   }
*   grouping yang-patch-status {
*     container yang-patch-status {
*       leaf patch-id {
*         type string;
*       }
*       choice global-status {
*         case global-errors {
*           uses rc:errors;
*         }
*         leaf ok {
*           type empty;
*         }
*       }
*       container edit-status {
*         list edit {
*           key edit-id;
*           leaf edit-id {
*             type string;
*           }
*           choice edit-status-choice {
*             leaf ok {
*               type empty;
*             }
*             case errors {
*               uses rc:errors;
*             }
*           }
*         }
*       }
*     }
```

```
*   }
* }
* </pre>
*
*/
```

Found in path(s):
* /opt/cola/permits/2321875507_1737311728.9721975/0/rfc8072-13-0-6-sources-jar/org/opendaylight/yang/gen/v1/urn/ietf/params/xml/ns/yang/ietf/yang/patch/rev170222/IetfYangPatchData.java
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Found in path(s):
* /opt/cola/permits/2321875507_1737311728.9721975/0/rfc8072-13-0-6-sources-jar/META-INF/yang/ietf-yang-patch@2017-02-22.yang
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-->
```

Found in path(s):
* /opt/cola/permits/2321875507_1737311728.9721975/0/rfc8072-13-0-6-sources-jar/META-INF/maven/org.opendaylight.mdsal.binding.model.ietf/rfc8072/pom.xml

1.7627 apache-karaf-client 4.4.6

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1.7628 rfc6536-parser-support 13.0.7

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* /opt/cola/permits/2321874417_1737311559.0144835/0/rfc6536-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6536/parser/DefaultDenyAllStatementSupport.java
* /opt/cola/permits/2321874417_1737311559.0144835/0/rfc6536-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6536/parser/DefaultDenyWriteStatementSupport.java
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* /opt/cola/permits/2321874417_1737311559.0144835/0/rfc6536-parser-support-13-0-7-sources-jar/META-INF/maven/org.opendaylight.yangtools/rfc6536-parser-support/pom.xml

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* /opt/cola/permits/2321874417_1737311559.0144835/0/rfc6536-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6536/parser/DefaultDenyAllStatementImpl.java
* /opt/cola/permits/2321874417_1737311559.0144835/0/rfc6536-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6536/parser/DefaultDenyAllEffectiveStatementImpl.java
* /opt/cola/permits/2321874417_1737311559.0144835/0/rfc6536-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6536/parser/RefDefaultDenyAllStatement.java
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* /opt/cola/permits/2321874417_1737311559.0144835/0/rfc6536-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6536/parser/DefaultDenyWriteStatementImpl.java

1.7629 rfc7952 13.0.6

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* /opt/cola/permits/2321874312_1737311335.2146962/0/rfc7952-13-0-6-sources-jar/META-INF/maven/org.opendaylight.mdsal.binding.model.ietf/rfc7952/pom.xml
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```
module ietf-yang-metadata {

 namespace "urn:ietf:params:xml:ns:yang:ietf-yang-metadata";

 prefix "md";

 organization
   "IETF NETMOD (NETCONF Data Modeling Language) Working Group";

 contact
   "WG Web:   <https://datatracker.ietf.org/wg/netmod/>

    WG List:  <mailto:netmod@ietf.org>

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              <mailto:lberger@labn.net>

    WG Chair: Kent Watsen
              <mailto:kwatsen@juniper.net>

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 description
   "This YANG module defines an 'extension' statement that allows
    for defining metadata annotations.

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```

```
 revision 2016-08-05 {
   description
     "Initial revision.";
   reference
     "RFC 7952: Defining and Using Metadata with YANG";
 }

 extension annotation {
   argument name;
   description
     "This extension allows for defining metadata annotations in
      YANG modules.  The 'md:annotation' statement can appear only
      at the top level of a YANG module or submodule, i.e., it
      becomes a new alternative in the ABNF production rule for
      'body-stmts' (Section 14 in RFC 7950).

      The argument of the 'md:annotation' statement defines the name
      of the annotation.  Syntactically, it is a YANG identifier as
      defined in Section 6.2 of RFC
 7950.

      An annotation defined with this 'extension' statement inherits
      the namespace and other context from the YANG module in which
      it is defined.

      The data type of the annotation value is specified in the same
      way as for a leaf data node using the 'type' statement.

      The semantics of the annotation and other documentation can be
      specified using the following standard YANG substatements (all
      are optional): 'description', 'if-feature', 'reference',
      'status', and 'units'.

      A server announces support for a particular annotation by
      including the module in which the annotation is defined among
      the advertised YANG modules, e.g., in a NETCONF <hello>
      message or in the YANG library (RFC 7950).  The annotation can
      then be attached to any instance of a data node defined in any
      YANG module that is advertised by the server.

      XML encoding and JSON encoding of annotations are defined in
       RFC 7952.";
 }
}
```

Found in path(s):
* /opt/cola/permits/2321874312_1737311335.2146962/0/rfc7952-13-0-6-sources-jar/META-INF/yang/ietf-yang-metadata@2016-08-05.yang

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*
* <p>
* This class represents the following YANG schema fragment defined in module <b>ietf-yang-metadata</b>
* <pre>
* module ietf-yang-metadata {
*   namespace urn:ietf:params:xml:ns:yang:ietf-yang-metadata;
*   prefix md;
*   revision 2016-08-05
 {
*   }
*   extension annotation {
*     argument name;
*   }
* }
* </pre>
*
*/
```

Found in path(s):
* /opt/cola/permits/2321874312_1737311335.2146962/0/rfc7952-13-0-6-sources-jar/org/opendaylight/yang/gen/v1/urn/ietf/params/xml/ns/yang/ietf/yang/metadata/rev160805/IetfYangMetadataData.java

1.7630 pax-web-deployer 8.0.27

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1.7631 apache-karaf-specs-java-xml-ws 4.4.6

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1.7632 rfc8342-ietf-datastores 13.0.6

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```
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*
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*   yang-version 1.1;
*   namespace urn:ietf:params:xml:ns:yang:ietf-datastores;
*   prefix ds;
*   revision 2018-02-14 {
*
```

```
  }
*   identity datastore {
*   }
*   identity conventional {
*     base datastore;
*   }
*   identity running {
*     base conventional;
*   }
*   identity candidate {
*     base conventional;
*   }
*   identity startup {
*     base conventional;
*   }
*   identity intended {
*     base conventional;
*   }
*   identity dynamic {
*     base datastore;
*   }
*   identity operational {
*     base datastore;
*   }
*   typedef datastore-ref {
*     type identityref {
*       base datastore;
*     }
*   }
* }
* </pre>
*
*/
```

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* /opt/cola/permits/2321874265_1737311671.6209464/0/rfc8342-ietf-datastores-13-0-6-sources-jar/org/opendaylight/yang/gen/v1/urn/ietf/params/xml/ns/yang/ietf/datastores/rev180214/IetfDatastoresData.java
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1.7633 apache-karaf-log-core 4.4.6

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1.7634 apache-karaf-shell-console 4.4.6

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1.7635 yang-model-util 13.0.7

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1.7636 pax-jdbc-mariadb 1.5.7

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1.7637 apache-karaf-webconsole-console 4.4.6

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1.7639 pax-web-runtime 8.0.27

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1.7641 cds-access-client 9.0.5

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1.7642 jersey-media-sse 2.44

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1.7643 web-api 0.19.6

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1.7644 rfc8639-model-api 13.0.7

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1.7645 apache-karaf-service-guard 4.4.6

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
 * javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
artifacts may be included in the distribution or downloaded when ALPN
module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
are hosted at github and both modified and original are under GPL v2 with
classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

The following artifacts are licensed by the OW2 Foundation according to the
terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

The UnixCrypt.java code implements the one way cryptography used by

Unix systems for simple password protection. Copyright 1996 Aki Yoshida,
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1.7649 raft-journal 9.0.5

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* /opt/cola/permits/2321875382_1737311648.4905467/0/raft-journal-9-0-5-sources-jar/org/opendaylight/controller/raft/journal/EntryWriter.java
* /opt/cola/permits/2321875382_1737311648.4905467/0/raft-journal-9-0-5-sources-jar/org/opendaylight/controller/raft/journal/FromByteBufMapper.java
* /opt/cola/permits/2321875382_1737311648.4905467/0/raft-journal-9-0-5-sources-jar/org/opendaylight/controller/raft/journal/ToByteBufMapper.java
* /opt/cola/permits/2321875382_1737311648.4905467/0/raft-journal-9-0-5-sources-jar/org/opendaylight/controller/raft/journal/RaftJournal.java
* /opt/cola/permits/2321875382_1737311648.4905467/0/raft-journal-9-0-5-sources-jar/org/opendaylight/controller/raft/journal/package-info.java
* /opt/cola/permits/2321875382_1737311648.4905467/0/raft-journal-9-0-5-sources-jar/module-info.java

1.7650 rfc8639-parser-support 13.0.7

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* /opt/cola/permits/2321874631_1737311654.1577168/0/rfc8639-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc8639/parser/SubscriptionStateNotificationStatementImpl.java
* /opt/cola/permits/2321874631_1737311654.1577168/0/rfc8639-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc8639/parser/SubscriptionStateNotificationEffectiveStatementImpl.java
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1.7651 eclipse-jdt-annotation 2.3.0

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* /opt/cola/permits/2321874420_1737311247.9848394/0/org-eclipse-jdt-annotation-2-3-0-sources-jar/org/eclipse/jdt/annotation/NonNull.java
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* /opt/cola/permits/2321874420_1737311247.9848394/0/org-eclipse-jdt-annotation-2-3-0-sources-jar/org/eclipse/jdt/annotation/NotOwning.java

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1.7652 rfc8819-model-api 13.0.7

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* /opt/cola/permits/2321874177_1737311642.8741763/0/rfc8819-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc8819/model/api/ModuleTagConstants.java
* /opt/cola/permits/2321874177_1737311642.8741763/0/rfc8819-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc8819/model/api/IetfTags.java
* /opt/cola/permits/2321874177_1737311642.8741763/0/rfc8819-model-api-13-0-7-sources-jar/module-info.java
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* /opt/cola/permits/2321874177_1737311642.8741763/0/rfc8819-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc8819/model/api/ModuleTagEffectiveStatement.java
* /opt/cola/permits/2321874177_1737311642.8741763/0/rfc8819-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc8819/model/api/Tag.java
* /opt/cola/permits/2321874177_1737311642.8741763/0/rfc8819-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc8819/model/api/ModuleTagStatements.java

1.7653 mdsal-singleton-api 13.0.6

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* /opt/cola/permits/2321874906_1737311418.3734791/0/mdsal-singleton-api-13-0-6-sources-jar/org/opendaylight/mdsal/singleton/api/ClusterSingletonService.java
* /opt/cola/permits/2321874906_1737311418.3734791/0/mdsal-singleton-api-13-0-6-sources-jar/org/opendaylight/mdsal/singleton/api/ClusterSingletonServiceProvider.java
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1.7654 mdsal-common-api 13.0.6

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* /opt/cola/permits/2321874624_1737311272.11604/0/mdsal-common-api-13-0-6-sources-jar/org/opendaylight/mdsal/common/api/ThreePhaseCommitStep.java
* /opt/cola/permits/2321874624_1737311272.11604/0/mdsal-common-api-13-0-6-sources-jar/org/opendaylight/mdsal/common/api/DataStoreUnavailableException.java
* /opt/cola/permits/2321874624_1737311272.11604/0/mdsal-common-api-13-0-6-sources-jar/org/opendaylight/mdsal/common/api/PostCanCommitStep.java
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* /opt/cola/permits/2321874624_1737311272.11604/0/mdsal-common-api-13-0-6-sources-jar/org/opendaylight/mdsal/common/api/LogicalDatastoreType.java
* /opt/cola/permits/2321874624_1737311272.11604/0/mdsal-common-api-13-0-6-sources-jar/org/opendaylight/mdsal/common/api/DataValidationFailedException.java
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* /opt/cola/permits/2321874624_1737311272.11604/0/mdsal-common-api-13-0-6-sources-jar/org/opendaylight/mdsal/common/api/ReadFailedException.java
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* /opt/cola/permits/2321874624_1737311272.11604/0/mdsal-common-api-13-0-6-sources-jar/module-info.java
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* /opt/cola/permits/2321874624_1737311272.11604/0/mdsal-common-api-13-0-6-sources-jar/org/opendaylight/mdsal/common/api/OnCommitCallback.java
* /opt/cola/permits/2321874624_1737311272.11604/0/mdsal-common-api-13-0-6-sources-jar/org/opendaylight/mdsal/common/api/ForwardingOnCommitFutureCallback.java
* /opt/cola/permits/2321874624_1737311272.11604/0/mdsal-common-api-13-0-6-sources-jar/org/opendaylight/mdsal/common/api/package-info.java
* /opt/cola/permits/2321874624_1737311272.11604/0/mdsal-common-api-13-0-6-sources-jar/org/opendaylight/mdsal/common/api/OnCommitFutureCallback.java
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1.7655 apache-karaf-features-extension 4.4.6

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1.7656 rfc6241 7.0.9

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*
* <p>
* This class represents the following YANG schema fragment defined in module <b>ietf-netconf</b>
* <pre>
* module ietf-netconf {
*   namespace urn:ietf:params:xml:ns:netconf:base:1.0;
*   prefix nc;
*   import ietf-inet-types {
*     prefix inet;
*   }
*   revision 2011-06-01 {
*   }
*   extension get-filter-element-attributes
 {
*   }
*   feature writable-running {
*   }
*   feature candidate {
*   }
*   feature confirmed-commit {
*     if-feature candidate;
*   }
*   feature rollback-on-error {
*   }
*   feature validate {
*   }
*   feature startup {
*   }
*   feature url {
*   }
*   feature xpath {
*   }
```

```
*   typedef session-id-type {
*     type uint32 {
*       range 1..max;
*     }
*   }
*   typedef session-id-or-zero-type {
*     type uint32;
*   }
*   typedef error-tag-type {
*     type enumeration {
*       enum in-use {
*       }
*       enum invalid-value {
*       }
*       enum too-big {
*       }
*       enum missing-attribute {
*       }
*       enum bad-attribute {
*       }
*       enum unknown-attribute {
*       }
*       enum missing-element {
*       }
*       enum bad-element {
*       }
*       enum unknown-element {
*       }
*       enum unknown-namespace {
*       }
*       enum access-denied {
*       }
*       enum lock-denied {
 *       }
*       enum resource-denied {
*       }
*       enum rollback-failed {
*       }
*       enum data-exists {
*       }
*       enum data-missing {
*       }
*       enum operation-not-supported {
*       }
*       enum operation-failed {
*       }
*       enum partial-operation {
*       }
```

```
*      enum malformed-message {
*      }
*    }
*  }
*  typedef error-severity-type {
*    type enumeration {
*      enum error {
*      }
*      enum warning {
*      }
*    }
*  }
*  typedef edit-operation-type {
*    type enumeration {
*      enum merge {
*      }
*      enum replace {
*      }
*      enum create {
*      }
*      enum delete {
*      }
*      enum remove {
*      }
*    }
*    default merge;
*  }
*  rpc get-config {
*    input input {
*      container source {
*        choice config-source {
*          leaf candidate {
*            if-feature candidate;
*            type empty;
*
   }
*          leaf running {
*            type empty;
*          }
*          leaf startup {
*            if-feature startup;
*            type empty;
*          }
*        }
*      }
*      anyxml filter {
*        nc:get-filter-element-attributes;
*      }
```

```
*     }
*     output output {
*       anyxml data {
*       }
*     }
*   }
*   rpc edit-config {
*     input input {
*       container target {
*         choice config-target {
*           leaf candidate {
*             if-feature candidate;
*             type empty;
*           }
*           leaf running {
*             if-feature writable-running;
*             type empty;
*           }
*         }
*       }
*       leaf default-operation {
*         type enumeration {
*           enum merge {
*           }
*           enum replace {
*           }
*           enum none {
*           }
*         }
*         default merge;
*       }
*       leaf test-option {
*         if-feature
 validate;
*         type enumeration {
*           enum test-then-set {
*           }
*           enum set {
*           }
*           enum test-only {
*           }
*         }
*         default test-then-set;
*       }
*       leaf error-option {
*         type enumeration {
*           enum stop-on-error {
*           }
```

```
*          enum continue-on-error {
*          }
*          enum rollback-on-error {
*          }
*        }
*        default stop-on-error;
*      }
*      choice edit-content {
*        anyxml config {
*        }
*        leaf url {
*          if-feature url;
*          type inet:uri;
*        }
*      }
*    }
*  }
*  rpc copy-config {
*    input input {
*      container target {
*        choice config-target {
*          leaf candidate {
*            if-feature candidate;
*            type empty;
*          }
*          leaf running {
*            if-feature writable-running;
*
   type empty;
*          }
*          leaf startup {
*            if-feature startup;
*            type empty;
*          }
*          leaf url {
*            if-feature url;
*            type inet:uri;
*          }
*        }
*      }
*      container source {
*        choice config-source {
*          leaf candidate {
*            if-feature candidate;
*            type empty;
*          }
*          leaf running {
*            type empty;
```

```
*         }
*         leaf startup {
*           if-feature startup;
*           type empty;
*         }
*         leaf url {
*           if-feature url;
*           type inet:uri;
*         }
*         anyxml config {
*         }
*       }
*     }
*   }
*  }
*  rpc delete-config {
*    input input {
*      container target {
*        choice config-target {
*          leaf startup {
*            if-feature startup;
*            type empty;
*
 }
*          leaf url {
*            if-feature url;
*            type inet:uri;
*          }
*        }
*      }
*    }
*  }
*  rpc lock {
*    input input {
*      container target {
*        choice config-target {
*          leaf candidate {
*            if-feature candidate;
*            type empty;
*          }
*          leaf running {
*            type empty;
*          }
*          leaf startup {
*            if-feature startup;
*            type empty;
*          }
*        }
```

```
*      }
*    }
*  }
*  rpc unlock {
*    input input {
*      container target {
*        choice config-target {
*          leaf candidate {
*            if-feature candidate;
*            type empty;
*          }
*          leaf running {
*            type empty;
*          }
*          leaf startup {
*            if-feature startup;
*            type empty;
*          }
*        }
*      }
*    }
*  }
*  rpc get
 {
*    input input {
*      anyxml filter {
*        nc:get-filter-element-attributes;
*      }
*    }
*    output output {
*      anyxml data {
*      }
*    }
*  }
*  rpc close-session {
*  }
*  rpc kill-session {
*    input input {
*      leaf session-id {
*        type session-id-type;
*      }
*    }
*  }
*  rpc commit {
*    if-feature candidate;
*    input input {
*      leaf confirmed {
*        if-feature confirmed-commit;
```

```
*        type empty;
*      }
*      leaf confirm-timeout {
*        if-feature confirmed-commit;
*        type uint32 {
*          range 1..max;
*        }
*        units seconds;
*        default 600;
*      }
*      leaf persist {
*        if-feature confirmed-commit;
*        type string;
*      }
*      leaf persist-id {
*        if-feature confirmed-commit;
*        type string;
*      }
*    }
*  }
*  rpc discard-changes {
*    if-feature candidate;
*  }
 *  rpc cancel-commit {
*    if-feature confirmed-commit;
*    input input {
*      leaf persist-id {
*        type string;
*      }
*    }
*  }
*  rpc validate {
*    if-feature validate;
*    input input {
*      container source {
*        choice config-source {
*          leaf candidate {
*            if-feature candidate;
*            type empty;
*          }
*          leaf running {
*            type empty;
*          }
*          leaf startup {
*            if-feature startup;
*            type empty;
*          }
*          leaf url {
```

```
*            if-feature url;
*            type inet:uri;
*          }
*          anyxml config {
*          }
*        }
*      }
*    }
*  }
* }
* </pre>
*
*/
```

Found in path(s):
* /opt/cola/permits/2321874821_1737311572.890901/0/rfc6241-7-0-9-sources-jar/org/opendaylight/yang/gen/v1/urn/ietf/params/xml/ns/netconf/base/_1/_0/rev110601/IetfNetconfData.java

1.7657 sal-common-util 9.0.5

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* /opt/cola/permits/2321874951_1737311825.197951/0/sal-common-util-9-0-5-sources-jar/org/opendaylight/controller/md/sal/common/util/jmx/AbstractMXBean.java
* /opt/cola/permits/2321874951_1737311825.197951/0/sal-common-util-9-0-5-sources-jar/org/opendaylight/controller/md/sal/common/util/jmx/ThreadExecutorStatsMXBeanImpl.java
* /opt/cola/permits/2321874951_1737311825.197951/0/sal-common-util-9-0-5-sources-jar/org/opendaylight/controller/md/sal/common/util/jmx/ThreadExecutorStatsMXBean.java
* /opt/cola/permits/2321874951_1737311825.197951/0/sal-common-util-9-0-5-sources-jar/org/opendaylight/controller/md/sal/common/util/jmx/ThreadExecutorStats.java

1.7658 sal-distributed-datastore 9.0.5

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* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/persisted/DH.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/persisted/CT.java
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Found in path(s):
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-

jar/org/opendaylight/controller/cluster/datastore/OSGiDOMStore.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/RootDataTreeChangeListenerActor.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/OSGiDatastoreContextIntrospectorFactory.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/RootDataTreeChangeListenerProxy.java
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 /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/actors/JsonExportActor.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/OSGiDistributedDataStore.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/akka/osgi/impl/OSGiActorSystemProvider.java
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* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/actors/DataTreeNotificationListenerRegistrationActor.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/ShardDataTreeListenerInfoMXBeanImpl.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/ShardDataTreeChangePublisherActor.java
*

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* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/messages/GetInfo.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/utils/CompositeOnComplete.java
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* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/messages/CreateTransaction.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/modification/Modification.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/messages/UpdateSchemaContext.java
*
/opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/shardstrategy/ShardStrategy.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/shardstrategy/ShardStrategyFactory.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/ClusterWrapperImpl.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/messages/ReadDataReply.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/messages/AbortTransaction.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/messages/LocalShardNotFound.java
*
/opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/modification/MutableCompositeModification.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/ShardTransaction.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/DistributedDataStoreFactory.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/messages/RemotePrimaryShardFound.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-

jar/org/opendaylight/controller/cluster/datastore/shardmanager/AbstractShardManagerCreator.java
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/opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-
jar/org/opendaylight/controller/cluster/datastore/messages/DataExists.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-
jar/org/opendaylight/controller/cluster/datastore/messages/CloseTransactionChain.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-
jar/org/opendaylight/controller/cluster/datastore/shardmanager/ShardManagerInfo.java
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jar/org/opendaylight/controller/cluster/datastore/shardmanager/ShardManager.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-
jar/org/opendaylight/controller/cluster/datastore/ShardStats.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-
jar/org/opendaylight/controller/cluster/datastore/exceptions/TimeoutException.java
*
/opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-
jar/org/opendaylight/controller/cluster/datastore/messages/PeerAddressResolved.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-
jar/org/opendaylight/controller/cluster/datastore/identifiers/ShardIdentifier.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-
jar/org/opendaylight/controller/cluster/datastore/shardstrategy/ModuleShardStrategy.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-
jar/org/opendaylight/controller/cluster/datastore/messages/FindPrimary.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-
jar/org/opendaylight/controller/cluster/datastore/messages/CanCommitTransaction.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-
jar/org/opendaylight/controller/cluster/datastore/messages/CloseTransactionReply.java
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/opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-
jar/org/opendaylight/controller/cluster/datastore/exceptions/PrimaryNotFoundException.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-
jar/org/opendaylight/controller/cluster/datastore/messages/ReadyTransactionReply.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-
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* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-
jar/org/opendaylight/controller/cluster/datastore/ShardReadTransaction.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-
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* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-
jar/org/opendaylight/controller/cluster/datastore/modification/DeleteModification.java
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/opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-
jar/org/opendaylight/controller/cluster/datastore/Shard.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-
jar/org/opendaylight/controller/cluster/datastore/modification/CompositeModification.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-
jar/org/opendaylight/controller/cluster/datastore/messages/CreateTransactionReply.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-

jar/org/opendaylight/controller/cluster/datastore/shardstrategy/DefaultShardStrategy.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/identifiers/ShardManagerIdentifier.java
*
/opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/messages/AbortTransactionReply.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/messages/ActorInitialized.java
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* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/utils/ActorUtils.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/TerminationMonitor.java
*
/opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/exceptions/UnknownMessageException.java
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* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/exceptions/NotInitializedException.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/messages/EnableNotification.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/messages/CommitTransaction.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/messages/FindLocalShard.java
*
/opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/messages/DataExistsReply.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/config/Configuration.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/config/ConfigurationImpl.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/messages/CloseTransaction.java
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* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/shardmanager/ShardManagerInfoMBean.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-

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* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/persisted/ShardManagerSnapshot.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/messages/OnDemandShardState.java
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* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/exceptions/NoShardLeaderException.java
* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/messages/ForwardedReadyTransaction.java

* /opt/cola/permits/2321875122_1737311564.8582318/0/sal-distributed-datastore-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/DataStoreVersions.java

1.7659 apache-karaf-http-core 4.4.6

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1.7660 jsonrpc-provider-common 1.16.2

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* /opt/cola/permits/2321875034_1737311412.7691705/0/concepts-13-0-7-sources-jar/org/opendaylight/yangtools/concepts/ValueWrapper.java
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* /opt/cola/permits/2321875034_1737311412.7691705/0/concepts-13-0-7-sources-jar/org/opendaylight/yangtools/concepts/ObjectExtension.java
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* /opt/cola/permits/2321875034_1737311412.7691705/0/concepts-13-0-7-sources-jar/org/opendaylight/yangtools/concepts/PrettyTree.java
* /opt/cola/permits/2321875034_1737311412.7691705/0/concepts-13-0-7-sources-jar/org/opendaylight/yangtools/concepts/PrettyTreeAware.java
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1.7662 servlet-jersey2 0.19.6

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* /opt/cola/permits/2321874912_1737311362.1576695/0/servlet-jersey2-0-19-6-sources-jar/org/opendaylight/aaa/web/servlet/jersey2/JerseyHttpServletBuilder.java

1.7663 mdsal-dom-schema-osgi 13.0.6

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* /opt/cola/permits/2321874570_1737311341.4485593/0/mdsal-dom-schema-osgi-13-0-6-sources-jar/org/opendaylight/mdsal/dom/schema/osgi/impl/OSGiModelRuntime.java
* /opt/cola/permits/2321874570_1737311341.4485593/0/mdsal-dom-schema-osgi-13-0-6-sources-jar/org/opendaylight/mdsal/dom/schema/osgi/ModelGenerationAware.java
* /opt/cola/permits/2321874570_1737311341.4485593/0/mdsal-dom-schema-osgi-13-0-6-sources-jar/org/opendaylight/mdsal/dom/schema/osgi/impl/OSGiModuleInfoSnapshotImpl.java
* /opt/cola/permits/2321874570_1737311341.4485593/0/mdsal-dom-schema-osgi-13-0-6-sources-jar/org/opendaylight/mdsal/dom/schema/osgi/impl/KarafFeaturesSupport.java
* /opt/cola/permits/2321874570_1737311341.4485593/0/mdsal-dom-schema-osgi-13-0-6-sources-jar/org/opendaylight/mdsal/dom/schema/osgi/impl/ModelContextListener.java
* /opt/cola/permits/2321874570_1737311341.4485593/0/mdsal-dom-schema-osgi-13-0-6-sources-jar/org/opendaylight/mdsal/dom/schema/osgi/impl/KarafYangModuleInfoRegistry.java
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* /opt/cola/permits/2321874570_1737311341.4485593/0/mdsal-dom-schema-osgi-13-0-6-sources-jar/org/opendaylight/mdsal/dom/schema/osgi/impl/RegularYangModuleInfoRegistry.java
* /opt/cola/permits/2321874570_1737311341.4485593/0/mdsal-dom-schema-osgi-13-0-6-sources-jar/org/opendaylight/mdsal/dom/schema/osgi/impl/YangModuleInfoScanner.java
* /opt/cola/permits/2321874570_1737311341.4485593/0/mdsal-dom-schema-osgi-13-0-6-sources-jar/org/opendaylight/mdsal/dom/schema/osgi/impl/OSGiDOMSchemaService.java

1.7664 yang-xpath-api 13.0.7

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* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangPredicateAware.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangFunction.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangXPathAxis.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangConstantExpr.java
*
 /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangBinaryExpr.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangPathExpr.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangXPathParserFactory.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangFunctionCallExpr.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangQNameExpr.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangExpr.java
*
 /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangVariableReferenceExpr.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangXPathParser.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangNaryExpr.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangLocationPath.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-

jar/org/opendaylight/yangtools/yang/xpath/api/YangNumberExpr.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangBooleanConstantExpr.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangXPathExpression.java
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* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangFilterExpr.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangBinaryOperator.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-

jar/org/opendaylight/yangtools/yang/xpath/api/YangNegateExpr.java
*
 /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangXPathNodeType.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangNaryOperator.java
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* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/BigDecimalXPathMathSupport.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/DoubleXPathMathSupport.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangXPathMathMode.java
*
 /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/DoubleNumberExpr.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/AbstractYangXPathMathSupport.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/YangXPathMathSupport.java
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* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-jar/org/opendaylight/yangtools/yang/xpath/api/UnresolvedQNameReferent.java
* /opt/cola/permits/2321875324_1737311468.2026849/0/yang-xpath-api-13-0-7-sources-

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1.7665 web-osgi-impl 0.19.6

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* /opt/cola/permits/2321874318_1737311337.4385529/0/web-osgi-impl-0-19-6-sources-jar/org/opendaylight/aaa/web/osgi/WhiteboardWebServer.java
* /opt/cola/permits/2321874318_1737311337.4385529/0/web-osgi-impl-0-19-6-sources-jar/org/opendaylight/aaa/web/osgi/WhiteboardResource.java
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1.7666 apache-karaf-jaas-blueprint-config 4.4.6

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1.7667 pax-web-compatibility-el2 8.0.27

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Manifest-Version: 1.0
Bnd-LastModified: 1649410772200
Build-Jdk-Spec: 1.8
Bundle-Description: This fragment bundle can be used together with _ca
nonical_ (IMO) jakarta.el-api instead of more OSGi aware geronimo-el
_2.2_spec (that declares additional caps/reqs)
Bundle-DocURL: http://www.ops4j.org/
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.html
Bundle-ManifestVersion: 2
Bundle-Name: OPS4J Pax Web - EL 2.2 compatibility
Bundle-SymbolicName: org.ops4j.pax.web.pax-web-compatibility-el2
Bundle-Vendor: OPS4J - Open Participation Software for Java
Bundle-Version: 8.0.2
Created-By: Apache Maven Bundle Plugin 5.1.4
Export-Package: javax.el;version="2.2"
Fragment-Host: javax.el-api
Provide-Capability: osgi.contract;osgi.contract=JavaEL;uses:="javax.el
";version:List<Version>="3.0,2.2,2.1,2.0,1.0"
Tool: Bnd-5.1.1.202006162103

Found in path(s):
* /opt/cola/permits/2321875557_1747754997.0835865/0/pax-web-compatibility-el2-8-0-2-jar/META-INF/MANIFEST.MF
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Found in path(s):
* /opt/cola/permits/2321875557_1747754997.0835865/0/pax-web-compatibility-el2-8-0-2-jar/META-INF/maven/org.ops4j.pax.web/pax-web-compatibility-el2/pom.xml

1.7668 jsonrpc-provider-single 1.16.2

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Found in path(s):
* /opt/cola/permits/2321874793_1737311454.2964752/0/jsonrpc-provider-single-1-16-2-sources-jar/META-INF/maven/org.opendaylight.jsonrpc/jsonrpc-provider-single/pom.xml
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* /opt/cola/permits/2321874793_1737311454.2964752/0/jsonrpc-provider-single-1-16-2-sources-jar/org/opendaylight/jsonrpc/provider/single/JsonRPCProvider.java

1.7669 jetty-alpn-openjdk8-client 9.4.54.v20240208

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
 * javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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* java.sun.security.ssl

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org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

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org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

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* /opt/cola/permits/2321874817_1737311776.4027088/0/pax-jdbc-pool-common-1-5-7-sources-jar/META-INF/maven/org.ops4j.pax.jdbc/pax-jdbc-pool-common/pom.xml
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* /opt/cola/permits/2321874817_1737311776.4027088/0/pax-jdbc-pool-common-1-5-7-sources-jar/org/ops4j/pax/jdbc/hook/PreHook.java
* /opt/cola/permits/2321874817_1737311776.4027088/0/pax-jdbc-pool-common-1-5-7-sources-jar/org/ops4j/pax/jdbc/pool/common/PooledDataSourceFactory.java
* /opt/cola/permits/2321874817_1737311776.4027088/0/pax-jdbc-pool-common-1-5-7-sources-

jar/org/ops4j/pax/jdbc/pool/common/impl/AbstractDataSourceFactoryTracker.java
*
/opt/cola/permits/2321874817_1737311776.4027088/0/pax-jdbc-pool-common-1-5-7-sources-jar/org/ops4j/pax/jdbc/pool/common/impl/AbstractTransactionManagerTracker.java

1.7671 security-aaa 1.16.2

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* /opt/cola/permits/2321874238_1737311815.4492936/0/security-aaa-1-16-2-sources-jar/org/opendaylight/jsonrpc/security/aaa/PasswordCredentialsContainer.java
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1.7672 yang-common 13.0.7

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* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/BiMapYangNamespaceContext.java
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* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/NotRevision.java
* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/RevisionUnion.java
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* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/QQNv1.java
* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/QNv1.java
* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/module-info.java
* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/UintConversions.java
*
 /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/NSv1.java
* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/UQNv1.java
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* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/DoNotLeakSpotbugs.java
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* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/Uint16.java
* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/Uint64.java
* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/Uint8.java
* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/Decimal64.java
*
 /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/Uint32.java
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* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/CachingDerivedString.java
* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/CanonicalValueSupport.java
* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/DerivedString.java
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* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/AbstractCanonicalValueImplementationValidator.java
* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/CanonicalValueViolation.java
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* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/QNameAwareDataInput.java
* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/UnresolvedQName.java
* /opt/cola/permits/2321875078_1737311762.0678506/0/yang-common-13-0-7-sources-jar/org/opendaylight/yangtools/yang/common/ErrorSeverity.java
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1.7673 aaa-encrypt-service-impl 0.19.6

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* /opt/cola/permits/2321875923_1737311661.2513292/0/aaa-encrypt-service-impl-0-19-6-sources-jar/org/opendaylight/aaa/encrypt/impl/EncryptServiceConfigImpl.java
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1.7674 yang-data-codec-binfmt 13.0.7

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* /opt/cola/permits/2321875639_1737311799.209848/0/yang-data-codec-binfmt-13-0-7-sources-

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* /opt/cola/permits/2321875639_1737311799.209848/0/yang-data-codec-binfmt-13-0-7-sources-jar/org/opendaylight/yangtools/yang/data/codec/binfmt/AbstractNormalizedNodeDataInput.java
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1.7676 mdsal-binding-runtime-spi 13.0.6

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1.7677 bus-messagelib 1.16.2

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1.7678 openconfig-model-api 13.0.7

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1.7679 transport-http 1.16.2

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* /opt/cola/permits/2321874540_1737311327.789613/0/transport-http-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/http/PublisherImpl.java
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* /opt/cola/permits/2321874540_1737311327.789613/0/transport-http-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/http/AbstractWebBusSessionFactory.java

* /opt/cola/permits/2321874540_1737311327.789613/0/transport-http-1-16-2-sources-jar/org/opendaylight/jsonrpc/bus/http/WebSocketClientHandler.java
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1.7681 pax-jdbc-db2 1.5.7

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* /opt/cola/permits/2321874523_1737311487.2798994/0/pax-jdbc-db2-1-5-7-sources-jar/META-INF/maven/org.ops4j.pax.jdbc/pax-jdbc-db2/pom.xml
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* /opt/cola/permits/2321874523_1737311487.2798994/0/pax-jdbc-db2-1-5-7-sources-jar/org/ops4j/pax/jdbc/db2/impl/DB2DataSourceFactory.java

1.7682 sal-cluster-admin-impl 9.0.5

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* /opt/cola/permits/2321875814_1737311768.9486175/0/sal-cluster-admin-impl-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/admin/ShardIdentifier.java
* /opt/cola/permits/2321875814_1737311768.9486175/0/sal-cluster-admin-impl-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/admin/ClusterAdminRpcService.java
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* /opt/cola/permits/2321875814_1737311768.9486175/0/sal-cluster-admin-impl-9-0-5-sources-jar/org/opendaylight/controller/cluster/datastore/admin/OSGiClusterAdmin.java

1.7683 restconf-common 7.0.9

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* /opt/cola/permits/2321875399_1737311650.3097258/0/restconf-common-7-0-9-sources-jar/org/opendaylight/restconf/common/patch/PatchContext.java
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* /opt/cola/permits/2321875399_1737311650.3097258/0/restconf-common-7-0-9-sources-jar/META-INF/maven/org.opendaylight.netconf/restconf-common/pom.xml
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* /opt/cola/permits/2321875399_1737311650.3097258/0/restconf-common-7-0-9-sources-jar/org/opendaylight/restconf/common/errors/RestconfDocumentedException.java
* /opt/cola/permits/2321875399_1737311650.3097258/0/restconf-common-7-0-9-sources-jar/org/opendaylight/restconf/common/errors/RestconfError.java
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* /opt/cola/permits/2321875399_1737311650.3097258/0/restconf-common-7-0-9-sources-jar/org/opendaylight/restconf/common/patch/PatchEntity.java
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Found in path(s):
* /opt/cola/permits/2321875399_1737311650.3097258/0/restconf-common-7-0-9-sources-jar/org/opendaylight/restconf/common/errors/RestconfCallback.java
* /opt/cola/permits/2321875399_1737311650.3097258/0/restconf-common-7-0-9-sources-jar/org/opendaylight/restconf/common/errors/RestconfFuture.java
* /opt/cola/permits/2321875399_1737311650.3097258/0/restconf-common-7-0-9-sources-jar/org/opendaylight/restconf/common/errors/SettableRestconfFuture.java

1.7684 pax-jdbc-oracle 1.5.7

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* /opt/cola/permits/2321875041_1737311274.1930282/0/pax-jdbc-oracle-1-5-7-sources-jar/org/ops4j/pax/jdbc/oracle/impl/OracleDataSourceFactory.java
* /opt/cola/permits/2321875041_1737311274.1930282/0/pax-jdbc-oracle-1-5-7-sources-jar/org/ops4j/pax/jdbc/oracle/impl/Activator.java
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* /opt/cola/permits/2321875041_1737311274.1930282/0/pax-jdbc-oracle-1-5-7-sources-jar/META-INF/maven/org.ops4j.pax.jdbc/pax-jdbc-oracle/pom.xml

1.7685 mariadb-java-client 3.3.3

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Manifest-Version: 1.0
Created-By: 11.0.21 (Ubuntu)
Build-Jdk-Spec: 11
Export-Package: org.mariadb.jdbc;uses:="javax.sql,javax.transaction.xa,o
rg.mariadb.jdbc.client,org.mariadb.jdbc.client.util,org.mariadb.jdbc.ex
port,org.mariadb.jdbc.plugin,org.mariadb.jdbc.util.constants";version="
3.3.3",org.mariadb.jdbc.client;uses:="org.mariadb.jdbc,org.mariadb.jdbc
.client.util,org.mariadb.jdbc.export,org.mariadb.jdbc.message";version=
"3.3.3",org.mariadb.jdbc.client.util;uses:="org.mariadb.jdbc.client,org
.mariadb.jdbc.client.socket";version="3.3.3",org.mariadb.jdbc.util.cons

```
tants;version="3.3.3",org.mariadb.jdbc.client.socket;uses:="org.mariadb
.jdbc,org.mariadb.jdbc.client,org.mariadb.jdbc.client.util";version="3.
3.3",org.mariadb.jdbc.message;uses:="org.mariadb.jdbc,org.mariadb.jdbc.
client,org.mariadb.jdbc.client.socket,org.mariadb.jdbc.client.util,org.
mariadb.jdbc.export";version="3.3.3",org.mariadb.jdbc.type;uses:="org.m
 ariadb.jdbc.client";version="3.3.3",org.mariadb.jdbc.export;uses:="org.
mariadb.jdbc,org.mariadb.jdbc.client";version="3.3.3",org.mariadb.jdbc.
plugin;uses:="javax.net.ssl,org.mariadb.jdbc,org.mariadb.jdbc.client,or
g.mariadb.jdbc.client.socket,org.mariadb.jdbc.client.util,org.mariadb.j
dbc.export";version="3.3.3",org.mariadb.jdbc.plugin.codec;uses:="org.ma
riadb.jdbc.client,org.mariadb.jdbc.client.socket,org.mariadb.jdbc.clien
t.util,org.mariadb.jdbc.plugin,org.mariadb.jdbc.type";version="3.3.3",o
rg.mariadb.jdbc.plugin.authentication.standard;uses:="org.mariadb.jdbc,
org.mariadb.jdbc.client,org.mariadb.jdbc.client.socket,org.mariadb.jdbc
.plugin";version="3.3.3",org.mariadb.jdbc.plugin.authentication.addon;u
ses:="org.mariadb.jdbc,org.mariadb.jdbc.client,org.mariadb.jdbc.client.
socket,org.mariadb.jdbc.plugin";version="3.3.3",org.mariadb.jdbc.plugin
.credential.aws;uses:="org.mariadb.jdbc,org.mariadb.jdbc.plugin";versio
n="3.3.3",org.mariadb.jdbc.plugin.credential.env;uses:="org.mariadb.jdb
 c,org.mariadb.jdbc.plugin";version="3.3.3",org.mariadb.jdbc.plugin.cred
ential.system;uses:="org.mariadb.jdbc,org.mariadb.jdbc.plugin";version=
"3.3.3",org.mariadb.jdbc.plugin.tls.main;uses:="javax.net.ssl,org.maria
db.jdbc,org.mariadb.jdbc.export,org.mariadb.jdbc.plugin";version="3.3.3
"
Import-Package: javax.naming,javax.naming.ldap,javax.management,javax.sq
l,org.slf4j;resolution:=optional;version="[2.0,3)",javax.net;resolution
:=optional,javax.net.ssl;resolution:=optional,com.sun.jna;resolution:=o
ptional;version="[5.13,6)",com.sun.jna.platform.win32;resolution:=optio
nal;version="[5.13,6)",javax.transaction.xa;resolution:=optional,waffle
.windows.auth;resolution:=optional,waffle.windows.auth.impl;resolution:
=optional,org.ietf.jgss;resolution:=optional,javax.crypto;resolution:=o
ptional,javax.security.auth.login;resolution:=optional,javax.security.a
uth.x500;resolution:=optional,software.amazon.awssdk.auth.credentials;r
esolution:=optional,software.amazon.awssdk.regions;resolution:=optional
 ,software.amazon.awssdk.regions.providers;resolution:=optional,software
.amazon.awssdk.services.rds;resolution:=optional,software.amazon.awssdk
.services.rds.model;resolution:=optional
Multi-Release: true
Bnd-LastModified: 1707513898048
Bundle-Description: JDBC driver for MariaDB and MySQL
Bundle-Developers: mariadbJdbcDevelopers;name="mariadb jdbc developers"
Bundle-DocURL: https://mariadb.com/kb/en/mariadb/about-mariadb-connector
-j/
Bundle-License: "LGPL-2.1"
Bundle-ManifestVersion: 2
Bundle-Name: mariadb-java-client
Bundle-SCM: url="https://github.com/mariadb-corporation/mariadb-connecto
r-j",connection="scm:git:git://github.com/mariadb-corporation/mariadb-c
```

onnector-j.git",developer-connection="scm:git:git@github.com:MariaDB/ma
riadb-connector-j.git",tag=HEAD
Bundle-SymbolicName: mariadb-java-client
Bundle-Vendor: mariadb.com
Bundle-Version: 3.3.3
Private-Package: org.mariadb.jdbc.client.column,org.mariadb.jdbc.client.
 context,org.mariadb.jdbc.client.impl,org.mariadb.jdbc.client.result,org
.mariadb.jdbc.client.result.rowdecoder,org.mariadb.jdbc.client.socket.i
mpl,org.mariadb.jdbc.client.tls,org.mariadb.jdbc.codec,org.mariadb.jdbc
.message.client,org.mariadb.jdbc.message.server,org.mariadb.jdbc.messag
e.server.util,org.mariadb.jdbc.plugin.authentication,org.mariadb.jdbc.p
lugin.authentication.addon.gssapi,org.mariadb.jdbc.plugin.authenticatio
n.standard.ed25519,org.mariadb.jdbc.plugin.authentication.standard.ed25
519.math,org.mariadb.jdbc.plugin.authentication.standard.ed25519.math.e
d25519,org.mariadb.jdbc.plugin.authentication.standard.ed25519.spec,org
.mariadb.jdbc.plugin.credential,org.mariadb.jdbc.plugin.tls,org.mariadb
.jdbc.pool,org.mariadb.jdbc.util,org.mariadb.jdbc.util.log,org.mariadb.
jdbc.util.options
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Tool: Bnd-6.3.1.202206071316

Found in path(s):
* /opt/cola/permits/2321874978_1737311394.837316/0/mariadb-java-client-3-3-3-jar/META-INF/MANIFEST.MF

1.7686 apache-karaf-bundle-core 4.4.6

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1.7687 yang-repo-fs 13.0.7

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* /opt/cola/permits/2321875274_1737311406.6502979/0/yang-repo-fs-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/repo/fs/FilesystemSchemaSourceCache.java
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* /opt/cola/permits/2321875274_1737311406.6502979/0/yang-repo-fs-13-0-7-sources-jar/module-info.java

1.7688 apache-karaf-instance-core 4.4.6

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1.7689 mdsal-singleton-impl 13.0.6

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* /opt/cola/permits/2321874986_1737311347.736391/0/mdsal-singleton-impl-13-0-6-sources-jar/org/opendaylight/mdsal/singleton/impl/ServiceGroup.java
* /opt/cola/permits/2321874986_1737311347.736391/0/mdsal-singleton-impl-13-0-6-sources-jar/org/opendaylight/mdsal/singleton/impl/ActiveServiceGroup.java
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* /opt/cola/permits/2321874986_1737311347.736391/0/mdsal-singleton-impl-13-0-6-sources-jar/org/opendaylight/mdsal/singleton/impl/ServiceRegistration.java
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1.7690 mdsal-dom-broker 13.0.6

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* /opt/cola/permits/2321874189_1737311244.3362865/0/mdsal-dom-broker-13-0-6-sources-jar/org/opendaylight/mdsal/dom/broker/CommitCoordinationTask.java
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* /opt/cola/permits/2321874189_1737311244.3362865/0/mdsal-dom-broker-13-0-6-sources-jar/org/opendaylight/mdsal/dom/broker/RouterDOMPublishNotificationService.java
* /opt/cola/permits/2321874189_1737311244.3362865/0/mdsal-dom-broker-13-0-6-sources-jar/org/opendaylight/mdsal/dom/broker/OperationInvocation.java
* /opt/cola/permits/2321874189_1737311244.3362865/0/mdsal-dom-broker-13-0-6-sources-jar/module-info.java

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* /opt/cola/permits/2321874189_1737311244.3362865/0/mdsal-dom-broker-13-0-6-sources-jar/org/opendaylight/mdsal/dom/broker/GlobalDOMRpcRoutingTableEntry.java
* /opt/cola/permits/2321874189_1737311244.3362865/0/mdsal-dom-broker-13-0-6-sources-jar/org/opendaylight/mdsal/dom/broker/AbstractDOMRpcRoutingTableEntry.java
* /opt/cola/permits/2321874189_1737311244.3362865/0/mdsal-dom-broker-13-0-6-sources-jar/org/opendaylight/mdsal/dom/broker/DOMRpcRouter.java
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* /opt/cola/permits/2321874189_1737311244.3362865/0/mdsal-dom-broker-13-0-6-sources-jar/org/opendaylight/mdsal/dom/broker/RoutedDOMRpcRoutingTableEntry.java
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1.7691 pax-web-jsp 8.0.27

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1.7692 yang-xpath-impl 13.0.7

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1.7693 mdsal-dom-spi 13.0.6

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* /opt/cola/permits/2321875748_1737311414.5221598/0/mdsal-dom-spi-13-0-6-sources-jar/org/opendaylight/mdsal/dom/spi/store/SnapshotBackedTransaction.java
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* /opt/cola/permits/2321875748_1737311414.5221598/0/mdsal-dom-spi-13-0-6-sources-

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1.7694 keycloak 8.0.27

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#

org.ops4j.pax.web.keycloak.jetty.KeycloakAuthenticatorService

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1.7695 util 13.0.7

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* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/OffsetMapCache.java
* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/ImmutableOffsetMap.java
* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/SharedSingletonMap.java
* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/MutableOffsetMap.java
*
 /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/ConstantArrayCollection.java
* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/SingletonSet.java
* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/ModifiableMapPhase.java
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* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/ImmutableOffsetMapTemplate.java
* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/SingletonSpliterators.java
* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/ObjectRegistry.java
* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/SharedSingletonMapTemplate.java
*
 /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/ImmutableMapTemplate.java
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* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/ListenerRegistry.java
* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/TopologicalSort.java
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* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/concurrent/IdentityQueuedNotificationManager.java
* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/concurrent/EqualityQueuedNotificationManager.java
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* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/EmptyDeque.java
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* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/concurrent/AsyncNotifyingListeningExecutorService.java
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* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-

jar/org/opendaylight/yangtools/util/concurrent/SpecialExecutors.java
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jar/org/opendaylight/yangtools/util/concurrent/QueuedNotificationManagerMXBean.java
* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-
jar/org/opendaylight/yangtools/util/concurrent/QueuedNotificationManager.java
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jar/org/opendaylight/yangtools/util/PropertyUtils.java
* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-
jar/org/opendaylight/yangtools/util/concurrent/AsyncNotifyingListenableFutureTask.java
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jar/org/opendaylight/yangtools/util/concurrent/ListenerNotificationQueueStats.java
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jar/org/opendaylight/yangtools/util/concurrent/CountingRejectedExecutionHandler.java
* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-
jar/org/opendaylight/yangtools/util/DurationStatisticsTracker.java
*
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jar/org/opendaylight/yangtools/util/concurrent/AbstractQueuedNotificationManager.java
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jar/org/opendaylight/yangtools/util/concurrent/CachedThreadPoolExecutor.java
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jar/org/opendaylight/yangtools/util/concurrent/ExceptionMapper.java
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jar/org/opendaylight/yangtools/util/concurrent/NotificationManager.java
* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-
jar/org/opendaylight/yangtools/util/concurrent/QueuedNotificationManagerMXBeanImpl.java
* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-
jar/org/opendaylight/yangtools/util/concurrent/DeadlockDetectingListeningExecutorService.java
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* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/ConcurrentDurationStatisticsTracker.java
* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/concurrent/SettableBoolean.java
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 /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/DurationWithTime.java
* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/ClassLoaderUtils.java
* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/MapAdaptor.java
* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/ReadOnlyTrieMap.java
* /opt/cola/permits/2321874139_1737311666.1493864/0/util-13-0-7-sources-jar/org/opendaylight/yangtools/util/ExecutorServiceUtil.java

1.7696 yang-model-spi 13.0.7

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* /opt/cola/permits/2321874894_1737311352.8095384/0/yang-model-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/spi/meta/AbstractDeclaredStatement.java

* /opt/cola/permits/2321874894_1737311352.8095384/0/yang-model-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/spi/meta/AbstractUndeclaredEffectiveStatement.java
* /opt/cola/permits/2321874894_1737311352.8095384/0/yang-model-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/spi/meta/SubstatementIndexingException.java
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* /opt/cola/permits/2321874894_1737311352.8095384/0/yang-model-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/spi/source/YangIRSource.java
* /opt/cola/permits/2321874894_1737311352.8095384/0/yang-model-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/spi/meta/EffectiveStatementMixins.java
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* /opt/cola/permits/2321874894_1737311352.8095384/0/yang-model-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/spi/source/package-info.java
* /opt/cola/permits/2321874894_1737311352.8095384/0/yang-model-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/spi/source/SourceInfo.java
* /opt/cola/permits/2321874894_1737311352.8095384/0/yang-model-spi-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/spi/meta/package-info.java
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* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/task/ContainerInitializerModelChange.java
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* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/elements/WebSocketModel.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/WarManager.java
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* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/task/ErrorPageStateChange.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/servlet/OsgiInitializedFilter.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/servlet/OsgiHttpSession.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/events/package-info.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/task/OsgiContextModelChange.java
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* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/events/ServerEvent.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/config/LogConfiguration.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/servlet/OsgiServletContextClassLoader.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/task/BatchVisitor.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/events/JspEventData.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/task/package-info.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/whiteboard/WhiteboardWebContainerView.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/context/package-info.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/servlet/ScopedFilter.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/util/Utils.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/servlet/DefaultSessionCookieConfig.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/events/FilterEventData.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/servlet/OsgiFilterChain.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/context/UniqueMultiBundleWebContainerContextWrapper.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/servlet/SCIWrapper.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-

jar/org/ops4j/pax/web/service/spi/task/Change.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/ServerState.java
*
/opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/events/EventListenerEventData.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/servlet/DefaultJspPropertyGroupDescriptor.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/config/ServerConfiguration.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/servlet/DynamicRegistrations.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/servlet/dynamic/DynamicServletRegistration.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/servlet/package-info.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/task/ServletContextModelChange.java
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/opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/views/DynamicJEEWebContainerView.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/util/WebContainerListener.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/util/WebContainerManager.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/ServletContextModel.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/ContextKey.java
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* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/events/WebSocketEventData.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/task/FilterModelChange.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/servlet/Default404Servlet.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/servlet/OsgiInitializedServlet.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/servlet/dynamic/DynamicFilterRegistration.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/task/FilterStateChange.java
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/opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/config/SessionConfiguration.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/events/ErrorPageEventData.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/servlet/OsgiScopedServletContext.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/task/OpCode.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/task/ServletModelChange.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/ModelRegistrationException.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/servlet/OsgiDynamicServletContext.java
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/opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/config/JspConfiguration.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/config/SecurityConfiguration.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/ModelRegistrationTask.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/events/ServletEventData.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/events/WebElementEventData.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/task/WebSocketModelChange.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/context/DefaultServletContextHelper.java
*
/opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/servlet/RegisteringContainerInitializer.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/elements/JspConfigurationModel.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/events/WebApplicationEventListener.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/elements/package-info.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/elements/SessionConfigurationModel.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/task/WelcomeFileModelChange.java
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/opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/task/ErrorPageModelChange.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/config/ResourceConfiguration.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-

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* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-
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jar/org/ops4j/pax/web/service/spi/context/UniqueWebContainerContextWrapper.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-
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jar/org/ops4j/pax/web/service/spi/model/elements/ServletModel.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-
jar/org/ops4j/pax/web/service/spi/model/elements/FilterModel.java
*
 /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-
jar/org/ops4j/pax/web/service/spi/model/ServiceModel.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-
jar/org/ops4j/pax/web/service/spi/model/events/ServerListener.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-
jar/org/ops4j/pax/web/service/spi/context/WebContainerContextWrapper.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-
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#
\u001B[1mSYNOPSIS\u001B[0m
  ${project.name}

  ${project.description}

  Maven URL:
    \u001B[33mmvn:${project.groupId}/${project.artifactId}/${project.version}\u001B[0m

\u001B[1mDESCRIPTION\u001B[0m
  The spi bundle provides the external usable API.

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* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/elements/EventListenerModel.java
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* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/task/ContextParamsChange.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/task/ContextStartChange.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/task/SecurityConfigChange.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/task/ContextStopChange.java

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jar/org/ops4j/pax/web/service/spi/model/events/WebElementEventListener.java
* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/events/WebElementEvent.java
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* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/util/ServletAnnotationScanner.java

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* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/template-web.xml
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* /opt/cola/permits/2321875858_1737311570.847688/0/pax-web-spi-8-0-27-sources-jar/org/ops4j/pax/web/service/spi/model/elements/JspModel.java
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1.7700 mdsal-eos-dom-api 13.0.6

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* /opt/cola/permits/2321875369_1737311731.116611/0/mdsal-eos-dom-api-13-0-6-sources-jar/org/opendaylight/mdsal/eos/dom/api/DOMEntity.java
* /opt/cola/permits/2321875369_1737311731.116611/0/mdsal-eos-dom-api-13-0-6-sources-

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1.7701 pax-web-compatibility-annotation13 8.0.27

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* /opt/cola/permits/2321874188_1747754991.185937/0/pax-web-jetty-8-0-27-test-sources-jar/org/ops4j/pax/web/service/jetty/internal/EmbeddedJettyWebSocketsTest.java
* /opt/cola/permits/2321874188_1747754991.185937/0/pax-web-jetty-8-0-27-test-sources-jar/org/ops4j/pax/web/service/jetty/internal/EmbeddedJettyHttp2Test.java
* /opt/cola/permits/2321874188_1747754991.185937/0/pax-web-jetty-8-0-27-test-sources-jar/org/ops4j/pax/web/service/jetty/internal/EmbeddedJettyTest.java

* /opt/cola/permits/2321874188_1747754991.185937/0/pax-web-jetty-8-0-27-test-sources-jar/org/ops4j/pax/web/service/jetty/internal/EmbeddedJettyHttps2Test.java
* /opt/cola/permits/2321874188_1747754991.185937/0/pax-web-jetty-8-0-27-test-sources-jar/org/ops4j/pax/web/service/jetty/internal/PathTest.java
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* /opt/cola/permits/2321874188_1747754991.185937/0/pax-web-jetty-8-0-27-test-sources-jar/etc/jetty-handlercollection.xml
* /opt/cola/permits/2321874188_1747754991.185937/0/pax-web-jetty-8-0-27-test-sources-jar/etc/jetty.xml
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1.7702 rfc8528-model-api 13.0.7

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* /opt/cola/permits/2321874213_1737311266.1064343/0/rfc8528-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc8528/model/api/SchemaMountConstants.java
* /opt/cola/permits/2321874213_1737311266.1064343/0/rfc8528-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc8528/model/api/MountPointSchemaNode.java
* /opt/cola/permits/2321874213_1737311266.1064343/0/rfc8528-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc8528/model/api/MountPointEffectiveStatement.java
* /opt/cola/permits/2321874213_1737311266.1064343/0/rfc8528-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc8528/model/api/MountPointStatement.java
* /opt/cola/permits/2321874213_1737311266.1064343/0/rfc8528-model-api-13-0-7-sources-jar/org/opendaylight/yangtools/rfc8528/model/api/package-info.java
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1.7703 org.apache.karaf.jaas.spring-security-crypto 4.4.6

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1.7708 rfc6643-parser-support 13.0.7

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* /opt/cola/permits/2321875766_1737311633.0298445/0/rfc6643-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6643/parser/DisplayHintStatementImpl.java
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* /opt/cola/permits/2321875766_1737311633.0298445/0/rfc6643-parser-support-13-0-7-sources-jar/org/opendaylight/yangtools/rfc6643/parser/MaxAccessStatementSupport.java
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1.7709 mdsal-binding-model-ri 13.0.6

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1.7710 mdsal-binding-api 13.0.6

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* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/DataChangeListenerAdapter.java
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* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/ReadOperations.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/WriteOperations.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/ActionProviderService.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/Transaction.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/ReadWriteOperations.java
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* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/DataTreeCommitCohortRegistry.java
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* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/query/QueryStructureException.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/query/StringMatchBuilder.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/query/ValueMatchBuilder.java
*
 /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/query/QueryFactory.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/query/DescendantQueryBuilder.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/QueryReadWriteTransaction.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/query/QueryResult.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/query/StructuralBuilder.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/query/package-info.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-

jar/org/opendaylight/mdsal/binding/api/query/QueryExecutor.java
*
/opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/QueryReadTransaction.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/query/ValueMatch.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/query/MatchBuilderPath.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/module-info.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/query/ComparableMatchBuilder.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/QueryOperations.java
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* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/DataObjectModification.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/DataTreeModification.java
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/opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/DataTreeIdentifier.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/RpcProviderService.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/DataTreeChangeListener.java
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* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/InstanceNotificationPublishService.java
* /opt/cola/permits/2321874696_1737311583.6872356/0/mdsal-binding-api-13-0-6-sources-jar/org/opendaylight/mdsal/binding/api/InstanceNotificationService.java
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1.7711 yang-ir 13.0.7

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* /opt/cola/permits/2321875651_1737311711.9887033/0/yang-ir-13-0-7-sources-jar/org/opendaylight/yangtools/yang/ir/IOSupport.java
* /opt/cola/permits/2321875651_1737311711.9887033/0/yang-ir-13-0-7-sources-jar/org/opendaylight/yangtools/yang/ir/StatementOutput.java
* /opt/cola/permits/2321875651_1737311711.9887033/0/yang-ir-13-0-7-sources-jar/org/opendaylight/yangtools/yang/ir/StatementOutputV1.java
*

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* /opt/cola/permits/2321875651_1737311711.9887033/0/yang-ir-13-0-7-sources-jar/org/opendaylight/yangtools/yang/ir/StatementInput.java
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* /opt/cola/permits/2321875651_1737311711.9887033/0/yang-ir-13-0-7-sources-jar/org/opendaylight/yangtools/yang/ir/AbstractIRObject.java
* /opt/cola/permits/2321875651_1737311711.9887033/0/yang-ir-13-0-7-sources-jar/org/opendaylight/yangtools/yang/ir/IRArgument.java
* /opt/cola/permits/2321875651_1737311711.9887033/0/yang-ir-13-0-7-sources-jar/org/opendaylight/yangtools/yang/ir/IRKeyword.java
* /opt/cola/permits/2321875651_1737311711.9887033/0/yang-ir-13-0-7-sources-jar/org/opendaylight/yangtools/yang/ir/package-info.java

1.7712 pax-jdbc-jtds 1.5.7

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* /opt/cola/permits/2321875342_1737311423.9748769/0/pax-jdbc-jtds-1-5-7-sources-jar/org/ops4j/pax/jdbc/jtds/impl/Activator.java
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1.7713 netconf-dom-api 7.0.9

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* /opt/cola/permits/2321874341_1737311349.5487325/0/netconf-dom-api-7-0-9-sources-jar/org/opendaylight/netconf/dom/api/tx/NetconfDOMFieldsReadTransaction.java
* /opt/cola/permits/2321874341_1737311349.5487325/0/netconf-dom-api-7-0-9-sources-jar/org/opendaylight/netconf/dom/api/tx/NetconfDOMFieldsReadWriteTransaction.java
* /opt/cola/permits/2321874341_1737311349.5487325/0/netconf-dom-api-7-0-9-sources-jar/org/opendaylight/netconf/dom/api/tx/NetconfDOMFieldsTransactionChain.java
* /opt/cola/permits/2321874341_1737311349.5487325/0/netconf-dom-api-7-0-9-sources-jar/org/opendaylight/netconf/dom/api/tx/NetconfDOMDataBrokerFieldsExtension.java

1.7714 apache-karaf-specs-activator 4.4.6

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1.7715 mdsal-eos-common-api 13.0.6

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* /opt/cola/permits/2321875019_1737311482.7442126/0/mdsal-eos-common-api-13-0-6-sources-jar/org/opendaylight/mdsal/eos/common/api/EntityOwnershipState.java
* /opt/cola/permits/2321875019_1737311482.7442126/0/mdsal-eos-common-api-13-0-6-sources-jar/org/opendaylight/mdsal/eos/common/api/EntityOwnershipStateChange.java

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1.7716 pax-web-jetty-keycloak 8.0.27

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org.ops4j.pax.web.keycloak.jetty.KeycloakAuthenticatorService

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1.7717 yang-model-ri 13.0.7

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* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/ref/RefLeafStatement.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/module-info.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/ref/RefIfFeatureStatement.java
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jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/eff/RegularAnyxmlEffectiveStatement.java
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* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/eff/EmptyBitEffectiveStatement.java
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* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-
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* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-
jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/eff/EmptyIfFeatureEffectiveStatement.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-
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* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-
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* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-
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* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-
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* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-
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* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-

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* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/DerivedDecimalType.java
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* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/RestrictedBooleanType.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/UnionTypeBuilder.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/AbstractRangeRestrictedBaseType.java
*
/opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/BaseInt8Type.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/EnumPairImpl.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/BaseUint8Type.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/AbstractLengthRestrictedType.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/DerivedEnumerationType.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/BaseInstanceIdentifierType.java
*
/opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/BaseUnionType.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/InstanceIdentifierTypeBuilder.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/AbstractTypeDefinition.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/DerivedIdentityrefType.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/InvalidBitDefinitionException.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/RestrictedBinaryType.java

*
/opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/DerivedUnionType.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/RestrictedIdentityrefType.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/DerivedTypes.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/LengthRestrictedTypeBuilder.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/BaseIdentityrefType.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/AbstractDerivedType.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/DerivedTypeBuilder.java
*
/opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/RestrictedEnumerationType.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/BaseStringType.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/InvalidLengthConstraintException.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/BaseInt32Type.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/DerivedBinaryType.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/DerivedInstanceIdentifierType.java
*
/opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/RestrictedBitsType.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/NumberUtil.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/RestrictedDecimalType.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/ConcreteTypes.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/RestrictedLeafrefType.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/DecimalTypeBuilder.java
*
/opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/RestrictedUnionType.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/InvalidEnumDefinitionException.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/DerivedEmptyType.java

* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/InvalidRangeConstraintException.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/BaseBooleanType.java
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* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/decl/EmptyConfigStatement.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/BitBuilder.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/decl/RegularAnydataStatement.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/BitImpl.java
*
 /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/eff/ActionEffectiveStatementImpl.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/eff/EmptyConfigEffectiveStatement.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/decl/EmptyActionStatement.java
* /opt/cola/permits/2321874202_1737311320.5636241/0/yang-model-ri-13-0-7-sources-jar/org/opendaylight/yangtools/yang/model/ri/type/EnumPairBuilder.java

1.7718 libssh2 1.11.1

1.7718.1 Notifications :

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David Megginson, Megginson Technologies Ltd.

2000-05-05

```
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```

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1.7719 x-text 0.19.0

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1.7720 x-oauth2 0.23.0

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1.7721 protobuf-go 1.35.1

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1.7722 aws-sdk-go-v2-service-route53 1.46.3

1.7722.1 Available under license :

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
```

```
  - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
```

```
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err =
addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
```

```
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addCredentialSource(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return
 err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
```

```
 }
}
DeleteLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  SetCredentialSourceMiddleware
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  spanRetryLoop
  Retry
  RetryMetricsHeader
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
name: License Scan

on: [pull_request]
```

```
jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
       uses: actions/checkout@v2
       with:
         path: new-ref
         fetch-depth: 0
     - name: Get Diff
       run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
     - name: Get Target Files
       run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
     - name: Checkout scancode
       uses: actions/checkout@v2
       with:
         repository: nexB/scancode-toolkit
         path: scancode-toolkit
         fetch-depth: 1
     - name: Set up Python ${{ matrix.python-version }}
        uses: actions/setup-python@v2
       with:
         python-version: ${{ matrix.python-version }}
     # ScanCode
     - name: Self-configure scancode
       working-directory: ./scancode-toolkit
       run: ./scancode --help
     - name: Run Scan code on target
       run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
     - name: Run Scan code on pr ref
       run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
     # compare
     - name: License test
       run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
```

```
ListLicenses
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  SetCredentialSourceMiddleware
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  spanRetryLoop
  Retry
  RetryMetricsHeader
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
```

```
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
```

```
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
 err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
```

```
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if
err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addCredentialSource(stack, options); err != nil {
 return err
}
if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options);
```

```
 err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
```

```
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
```

```
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err !=
nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err
```

```
 != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addCredentialSource(stack, options); err != nil {
  return err
 }
 if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if
 err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
```

```
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
```

```
//   - Fingerprint
//
//   - Status
Filters
[]types.Filter

// Amazon Resource Names (ARNs) of the licenses.
LicenseArns []string

// Maximum number of results to return in a single call.
MaxResults *int32

// Token for the next set of results.
NextToken *string

noSmithyDocumentSerde
}

type ListLicensesOutput struct {

// License details.
Licenses []types.License

// Token for the next set of results.
NextToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack,
options, "ListLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}
```

```
if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
```

```
 return err
 }
 if err = addCredentialSource(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack);
 err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "ListLicenses",
 }
}
```

DisassociateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
SetCredentialSourceMiddleware
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
spanRetryLoop
Retry
RetryMetricsHeader
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "metadata": {
      "suppressions": [
          {
              "id": "HttpMethodSemantics",
```

```
            "namespace": "*"
        },
        {
            "id": "HttpResponseCodeSemantics",
            "namespace": "*"
        },
        {
            "id": "PaginatedTrait",
            "namespace": "*"
        },
        {
            "id": "HttpHeaderTrait",
            "namespace": "*"
        },
        {
            "id": "HttpUriConflict",
            "namespace": "*"
        },
        {
            "id": "Service",
            "namespace": "*"
        }
    ]
},
"shapes": {
    "com.amazonaws.licensemanager#AWSLicenseManager": {
        "type": "service",
        "version": "2018-08-01",
        "operations": [
            {
                "target": "com.amazonaws.licensemanager#AcceptGrant"
            },

 {
                "target": "com.amazonaws.licensemanager#CheckInLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CheckoutLicense"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateGrant"
            },
            {
                "target": "com.amazonaws.licensemanager#CreateGrantVersion"
            },
```

```
    {
      "target": "com.amazonaws.licensemanager#CreateLicense"
    },
    {
      "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
    },
    {
      "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
    },
    {
      "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
    },
    {
      "target": "com.amazonaws.licensemanager#CreateLicenseVersion"
    },
    {
      "target": "com.amazonaws.licensemanager#CreateToken"
    },
    {
      "target": "com.amazonaws.licensemanager#DeleteGrant"
    },
    {
      "target": "com.amazonaws.licensemanager#DeleteLicense"
    },
    {
      "target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
    },
    {
      "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
    },
    {
      "target": "com.amazonaws.licensemanager#DeleteToken"
    },
    {
      "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

  },
    {
      "target": "com.amazonaws.licensemanager#GetAccessToken"
    },
    {
      "target": "com.amazonaws.licensemanager#GetGrant"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicense"
    },
    {
      "target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
```

```
},
{
   "target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
},
{
   "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
},
{
   "target": "com.amazonaws.licensemanager#GetLicenseUsage"
},
{
   "target": "com.amazonaws.licensemanager#GetServiceSettings"
},
{
   "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
 },
{
   "target": "com.amazonaws.licensemanager#ListDistributedGrants"
},
{
   "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
},
{
   "target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
},
{
   "target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
},
{
   "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
},
{
   "target": "com.amazonaws.licensemanager#ListLicenses"
},
{
   "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
},
{

  "target": "com.amazonaws.licensemanager#ListLicenseVersions"
},
{
   "target": "com.amazonaws.licensemanager#ListReceivedGrants"
},
{
   "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
},
{
```

```
        "target": "com.amazonaws.licensemanager#ListReceivedLicenses"
    },
    {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
    },
    {
        "target": "com.amazonaws.licensemanager#ListResourceInventory"
    },
    {
        "target": "com.amazonaws.licensemanager#ListTagsForResource"
    },
    {
        "target": "com.amazonaws.licensemanager#ListTokens"
    },
    {
        "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
    },
    {
        "target": "com.amazonaws.licensemanager#RejectGrant"
    },
    {
        "target": "com.amazonaws.licensemanager#TagResource"
    },
    {
        "target": "com.amazonaws.licensemanager#UntagResource"
    },
    {
        "target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
    },
    {
        "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
    },
    {
        "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
    },
    {
        "target": "com.amazonaws.licensemanager#UpdateServiceSettings"
    }
],
"traits": {
    "aws.api#service": {
        "sdkId": "License Manager",
        "arnNamespace": "license-manager",
        "cloudFormationName": "LicenseManager",
        "cloudTrailEventSource": "license-manager.amazonaws.com",
        "endpointPrefix": "license-manager"
    },
    "aws.auth#sigv4": {
```

"name": "license-manager"
},
"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
},
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
},
"rules": [
{
"conditions": [
{
"fn": "isSet",
"argv": [

```
            {
                "ref": "Endpoint"
            }
        ]

    }
    ],
    "rules": [
        {
            "conditions": [
                {
                    "fn": "booleanEquals",
                    "argv": [
                        {
                            "ref": "UseFIPS"
                        },
                        true
                    ]
                }
            ],
            "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
            "type": "error"
        },
        {
            "conditions": [

{
                    "fn": "booleanEquals",
                    "argv": [
                        {
                            "ref": "UseDualStack"
                        },
                        true
                    ]
                }
            ],
            "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
            "type": "error"
        },
        {
            "conditions": [],
            "endpoint": {
                "url": {
                    "ref": "Endpoint"
                },
                 "properties": {},
                "headers": {}
            },
```

```
                "type": "endpoint"
            }
        ],
        "type": "tree"
    },
    {
        "conditions": [
            {
                "fn": "isSet",
                "argv": [
                    {
                        "ref": "Region"
                    }
                ]
            }
        ],
        "rules": [
            {
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                true
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                                "argv": [
                                    {
                                        "ref": "UseDualStack"
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                            }
                        ]

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                                "fn": "getAttr",
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                                    },
                                    "supportsDualStack"
                                ]

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                        ]
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"conditions": [
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"fn": "getAttr",
"argv": [

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"ref": "PartitionResult"
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"supportsFIPS"
]
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            "type": "tree"
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            "type": "error"
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"headers": {}
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"type": "error"
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"headers": {}
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"type": "tree"
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            "type": "error"
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            "expect": {
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            "params": {
              "Region": "af-south-1",
              "UseFIPS": false,
              "UseDualStack": false
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            "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
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            "params": {
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              "UseFIPS": false,
              "UseDualStack": false
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            "expect": {
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                "url": "https://license-manager.ap-northeast-1.amazonaws.com"
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            "params": {
              "Region": "ap-northeast-1",
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"UseDualStack": false
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"params": {
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"UseFIPS": false,
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"params": {
"Region": "ap-northeast-3",
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"UseDualStack": false
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"params": {
"Region": "ap-south-1",
"UseFIPS": false,
"UseDualStack": false
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"params": {
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"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
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"url": "https://license-manager.ap-southeast-2.amazonaws.com"
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"params": {
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"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager.ap-southeast-3.amazonaws.com"
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"params": {
"Region": "ap-southeast-3",
"UseFIPS": false,
"UseDualStack": false
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"expect": {
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"url": "https://license-manager.ca-central-1.amazonaws.com"
}
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"params": {
"Region": "ca-central-1",
"UseFIPS": false,
"UseDualStack": false

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            "params": {
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                "UseFIPS": false,
                "UseDualStack": false
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FIPS disabled and DualStack disabled",
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                    "url": "https://license-manager.eu-north-1.amazonaws.com"
                }
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            "params": {
                "Region": "eu-north-1",
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                "UseDualStack": false
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            "params": {
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"eu-south-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
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            "expect": {
                "endpoint": {
                    "url": "https://license-manager.eu-west-1.amazonaws.com"
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        "expect": {

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        "params": {
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            "UseDualStack": false
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        "params": {
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            "UseFIPS": false,

"UseDualStack": false
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        "params": {
            "Region": "me-south-1",
            "UseFIPS": false,
            "UseDualStack": false
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              "params": {
                "Region": "sa-east-1",
                "UseFIPS": false,
                "UseDualStack": false
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              "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
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                "endpoint": {
                  "url": "https://license-manager.us-east-1.amazonaws.com"
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              "params": {
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                "UseFIPS": false,
                "UseDualStack": false
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              "expect": {
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              "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": false
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              "documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.us-east-2.amazonaws.com"
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        "UseFIPS": false,
        "UseDualStack": false
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      "params": {
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        "UseFIPS": true,
        "UseDualStack": false
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us-west-1 with FIPS disabled and DualStack disabled",
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      "params": {
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        "UseFIPS": false,
        "UseDualStack": false
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        "UseDualStack": false
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                "UseDualStack": false
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              "params": {
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                "UseFIPS": true,
                "UseDualStack": false
              }
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              "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "endpoint": {
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              "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                 "UseDualStack": true
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              "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
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                "endpoint": {
                  "url": "https://license-manager.us-east-1.api.aws"
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              "params": {
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"UseFIPS": false,
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"url":
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"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
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"params": {
"Region": "cn-northwest-1",
"UseFIPS": false,
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
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"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",

"expect": {
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"url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
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"params": {
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"UseDualStack": false
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"expect": {
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"params": {
"Region": "cn-north-1",
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"UseDualStack": true
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager.us-gov-east-1.amazonaws.com"
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"params": {
"Region": "us-gov-east-1",
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"UseDualStack": false
}
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"endpoint": {
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"params": {
"Region": "us-gov-east-1",

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"UseDualStack": false
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"params": {
"Region": "us-gov-west-1",
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"UseDualStack": false
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {

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            }
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            "Region": "us-gov-east-1",
            "UseFIPS": false,
            "UseDualStack": true
        }
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disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
            }
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
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        "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
            "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
        },
        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": true,
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        }
    },
    {
        "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
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            }
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        "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": true,
            "UseDualStack": false
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    },
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but this partition does not support DualStack"
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                "Region": "us-iso-east-1",
                "UseFIPS": false,
                "UseDualStack": true
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              "expect": {
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              "params": {
                "Region": "us-isob-east-1",
                "UseFIPS": false,
                "UseDualStack": false
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                "UseDualStack": true
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              "expect": {
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                  "url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
                }
              },

        "params": {
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                "UseFIPS": true,
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"UseDualStack": false
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"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
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"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
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"params": {
"UseFIPS": false,

"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
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"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"

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                },
                "params": {
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                    "UseFIPS": true,
                    "UseDualStack": false,
                    "Endpoint": "https://example.com"
                }
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                "documentation": "For custom endpoint with fips disabled and dualstack enabled",
                "expect": {
                    "error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
                },
                "params": {
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                    "UseFIPS": false,
                    "UseDualStack": true,
                    "Endpoint": "https://example.com"
                }
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                "documentation": "Missing region",
                "expect": {
                    "error": "Invalid Configuration: Missing Region"
                }
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        "version": "1.0"
    }
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"com.amazonaws.licensemanager#AcceptGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
    "output": {
        "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
    },
    "errors": [
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            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
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                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
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                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"

        }
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        "traits": {
            "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
        }
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    "com.amazonaws.licensemanager#AcceptGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant
ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
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            "traits": {
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            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#AccessDeniedException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
            "httpResponseCode": 401
        },
        "smithy.api#documentation": "<p>Access to resource denied.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 401
    }
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
    "type": "enum",
    "members": {
        "DISTRIBUTED_GRANTS_ONLY": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
            }
        },
        "ALL_GRANTS_PERMITTED_BY_ISSUER": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
            }
        }
```

```
        }
    },
    "com.amazonaws.licensemanager#AllowedOperation": {

    "type": "enum",
      "members": {
        "CREATE_GRANT": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "CreateGrant"
          }
        },
        "CHECKOUT_LICENSE": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "CheckoutLicense"
          }
        },
        "CHECKOUT_BORROW_LICENSE": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "CheckoutBorrowLicense"
          }
        },
        "CHECK_IN_LICENSE": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "CheckInLicense"
          }
        },
        "EXTEND_CONSUMPTION_LICENSE":
{
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "ExtendConsumptionLicense"
          }
        },
        "LIST_PURCHASED_LICENSES": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "ListPurchasedLicenses"
          }
        },
        "CREATE_TOKEN": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "CreateToken"
          }
```

```
            }
        }
    },
    "com.amazonaws.licensemanager#AllowedOperationList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#AllowedOperation"
        },
        "traits": {
            "smithy.api#length": {
                "min": 1,
                "max":
8
            }
        }
    },
    "com.amazonaws.licensemanager#Arn": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 2048
            },
            "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-
z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
        }
    },
    "com.amazonaws.licensemanager#ArnList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Arn"
        }
    },
    "com.amazonaws.licensemanager#AuthorizationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError":
{
                "code": "AuthorizationFailure",
                "httpResponseCode": 403
            },
            "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to
perform the action. Check the IAM\n        policy associated with this account.</p>",
```

```
            "smithy.api#error": "client",
            "smithy.api#httpError": 403
        }
    },
    "com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
        "type": "structure",
        "members": {
            "LastRunTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes automated discovery.</p>"
        }
    },

  "com.amazonaws.licensemanager#Boolean": {
        "type": "boolean",
        "traits": {
            "smithy.api#default": false
        }
    },
    "com.amazonaws.licensemanager#BorrowConfiguration": {
        "type": "structure",
        "members": {
            "AllowEarlyCheckIn": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxTimeToLiveInMinutes": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
                    "smithy.api#required": {}
                }
            }

},
        "traits": {
            "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
        }
    },
```

"com.amazonaws.licensemanager#BoxBoolean": {
    "type": "boolean"
},
"com.amazonaws.licensemanager#BoxInteger": {
    "type": "integer"
},
"com.amazonaws.licensemanager#BoxLong": {
    "type": "long"
},
"com.amazonaws.licensemanager#CheckInLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"

    },
        {
            "target": "com.amazonaws.licensemanager#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": " Checks in the specified license. Check in a license when it is no longer in use. "
    }

```
    },
    "com.amazonaws.licensemanager#CheckInLicenseRequest":
{
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {

 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
        "type": "structure",
        "members":
 {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must
use the borrow consumption configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
                    "smithy.api#required": {}
```

```
                }
            },
            "DigitalSignatureMethod": {
                "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
                "traits": {
                    "smithy.api#documentation": "<p>Digital signature method. The possible
 value is JSON Web Signature (JWS) algorithm PS384.\n        For more information, see <a
href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS</a>.</p>",
                    "smithy.api#required": {}
                }
            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

"smithy.api#documentation": " License consumption token. "
}
},
"EntitlementsAllowed":
{
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " Allowed license entitlements. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout
is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout expires. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicense": {
"type": "operation",

"input": {
"target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target":
"com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license. \n <note>\n If the account that created the license is the same that is performing the check out, you must\n specify the account as the beneficiary. \n </note>"
}
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
"type": "structure",
"members": {

"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product
SKU. ",
"smithy.api#required": {}
}
},
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. ",
"smithy.api#required": {}
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Key fingerprint identifying the license. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "

```
            }
        }
    },
    "traits": {

    "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
    "type": "structure",
    "members": {
        "CheckoutType": {
            "target": "com.amazonaws.licensemanager#CheckoutType",
            "traits": {
                "smithy.api#documentation": "<p>Checkout type.</p>"
            }
        },
        "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License consumption token.</p>"
            }
        },
        "EntitlementsAllowed": {
            "target": "com.amazonaws.licensemanager#EntitlementDataList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
            }
        },
         "SignedToken": {
            "target": "com.amazonaws.licensemanager#SignedToken",
            "traits": {
                "smithy.api#documentation": "<p>Signed token.</p>"
            }
        },
        "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
            }
        },
        "IssuedAt": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
            }
        },
        "Expiration": {
```

"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and
time at which the license checkout expires. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the checkout license. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutType": {
"type": "enum",
"members": {
"PROVISIONAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PROVISIONAL"
}
},
"PERPETUAL": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PERPETUAL"
}
}
}
},
"com.amazonaws.licensemanager#ClientRequestToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 36
}
}
},
"com.amazonaws.licensemanager#ClientToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,

"max": 2048
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#ConflictException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "ConflictException",
"httpResponseCode":
409
},
"smithy.api#documentation": " There was a conflict processing the request. Try your request again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 409
}
},
"com.amazonaws.licensemanager#ConsumedLicenseSummary": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Resource type of the resource consuming a license. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},

"traits": {
"smithy.api#documentation": " Details about license consumption. "
}
},
"com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
"type": "list",
"member": {

"target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
}
},
"com.amazonaws.licensemanager#ConsumptionConfiguration": {
"type": "structure",
"members": {
"RenewType": {
"target": "com.amazonaws.licensemanager#RenewType",
"traits": {
"smithy.api#documentation": " Renewal frequency. "
}
},
"ProvisionalConfiguration": {
"target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
"traits": {
"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"BorrowConfiguration": {
"target": "com.amazonaws.licensemanager#BorrowConfiguration",
"traits": {
"smithy.api#documentation": " Details about a borrow configuration. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about a consumption configuration. "
}
},
"com.amazonaws.licensemanager#CreateGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},

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            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of license\n        entitlements with a specific Amazon Web Services account, an organization, or an\n organizational unit (OU). For more
 information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>",
                    "smithy.api#required": {}

    }
            },
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Principals": {
```

"target": "com.amazonaws.licensemanager#PrincipalArnList",
"traits": {
"smithy.api#documentation": " The grant principals. You can specify one of the following as an Amazon Resource Name\n (ARN): \n \n \n An Amazon Web Services account, which includes only the account specified. \n \n \n \n \n An organizational unit (OU), which includes all accounts in the OU. \n \n \n \n \n An organization, which will include all accounts across your organization. \n \n ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations for the grant. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",

"traits": {
"smithy.api#documentation": " Tags to add to the grant. For more information about tagging support in\n License Manager, see the TagResource operation. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}

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            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation":
"<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersion": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
             },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
```

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information, see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"

        }
    },
    "com.amazonaws.licensemanager#CreateGrantVersionRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {

        "smithy.api#documentation": "<p>Grant name.</p>"
                }
            },
            "AllowedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "StatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
```

```
            "traits": {
                "smithy.api#documentation": "<p>Grant status reason.</p>"
            }
        },
        "SourceVersion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Current version of the grant.</p>"
            }
        },
        "Options": {
            "target": "com.amazonaws.licensemanager#Options",
            "traits": {
                "smithy.api#documentation": "<p>The options specified for the grant.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersionResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>New version of the grant.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicense": {
```

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a license. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConfiguration": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

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            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }

        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager. Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or all of these), license affinity  to host (how long a \n        license must be associated with a host), and the number of licenses purchased and used.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Description of the license configuration.</p>"
                }
            },
            "LicenseCountingType": {
                "target": "com.amazonaws.licensemanager#LicenseCountingType",
                "traits": {
                    "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
                    "smithy.api#required": {}
                }
```

```
            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"

  }
            },
            "LicenseCountHardLimit": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether hard or soft license enforcement is used.
Exceeding a hard limit\n        blocks the launch of new instances.</p>"
                }
            },
            "LicenseRules": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>License rules. The syntax is #name=value (for example,
#allowedTenancy=EC2-DedicatedHost). The available rules \n        vary by dimension, as follows.</p>\n
<ul>\n            <li>\n                <p>\n                <code>Cores</code> dimension: <code>allowedTenancy</code> |\n
            <code>licenseAffinityToHost</code> |\n                <code>maximumCores</code> |
<code>minimumCores</code>\n
            </p>\n            </li>\n            <li>\n                <p>\n                <code>Instances</code> dimension:
<code>allowedTenancy</code> | \n                <code>maximumVcpus</code> | <code>minimumVcpus</code>\n
        </p>\n            </li>\n            <li>\n                <p>\n                <code>Sockets</code> dimension:
<code>allowedTenancy</code> | \n                <code>licenseAffinityToHost</code> |\n
<code>maximumSockets</code> | <code>minimumSockets</code>\n                </p>\n            </li>\n            <li>\n
            <p>\n                <code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n
<code>honorVcpuOptimization</code> | \n                <code>maximumVcpus</code> |
<code>minimumVcpus</code>\n                </p>\n            </li>\n        </ul>\n        <p>The unit for
<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n        values for
<code>allowedTenancy</code>
 are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n        <code>EC2-
DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n
<code>True</code> and <code>False</code>.</p>"
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
                }
            },
            "DisassociateWhenNotFound": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>When true, disassociates a resource when software is
```

uninstalled. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"

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            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],

    "traits": {
            "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting
the license type for.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information that identifies the license type you are converting
from. \n\n        For the structure of the source license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert
 a license type using the CLI </a> in the <i>License Manager User Guide</i>.</p>",
                    "smithy.api#required": {}
                }
            },
            "DestinationLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information that identifies the license type you are converting to.
For the structure of the destination license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI </a> in
the <i>License Manager User Guide</i>.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
```

```
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
        },
        "errors":
[
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
```

"target": "com.amazonaws.licensemanager#ValidationException"
}

],
"traits": {
"smithy.api#documentation": " Creates a report generator. "
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports to generate. The following report types an be generated: \n \n \n License configuration report - Reports the number and details
of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or
weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",

"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the new report generator. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseRequest": {
"type": "structure",
"members": {
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}

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            }
        },
        "ProductName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Product name.</p>",
                "smithy.api#required": {}
            }
        },
        "ProductSKU": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Product SKU.</p>",
                "smithy.api#required": {}
            }
        },
        "Issuer": {
            "target": "com.amazonaws.licensemanager#Issuer",
            "traits": {
                "smithy.api#documentation": "<p>License issuer.</p>",
                "smithy.api#required": {}

  }
        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Home Region for the license.</p>",
                "smithy.api#required": {}
            }
        },
        "Validity": {
            "target": "com.amazonaws.licensemanager#DatetimeRange",
            "traits": {
                "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
                "smithy.api#required": {}
            }
        },
        "Entitlements": {
            "target": "com.amazonaws.licensemanager#EntitlementList",
            "traits": {
                "smithy.api#documentation": "<p>License entitlements.</p>",
                "smithy.api#required": {}

    }
        },
        "Beneficiary": {
```

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",

"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the license. For more information about tagging support in\n License Manager, see the TagResource operation. "
}
}

},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseResponse": {
"type": "structure",
"members": {
"LicenseArn": {

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            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }

    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
```

"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a new version of the specified license. "
}
},
"com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required":
{}
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits": {
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the license. ",
"smithy.api#required": {}
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the

idempotency of the request. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the license. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
"type": "structure",
"members": {
"LicenseArn": {

"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New version of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateTokenRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#CreateTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"

},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a long-lived token. \n A refresh token is a JWT token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license. "
}
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token. ",
"smithy.api#required":
{}
}
},
"RoleArns": {

"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n License Manager does not check whether the roles are in use. "
}
},
"ExpirationInDays": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Token expiration, in days, counted from token creation. The default is 365 days. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Idempotency token, valid for 10 minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateTokenResponse": {
"type": "structure",
"members": {
"TokenId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token ID. "
}
},
"TokenType": {
"target": "com.amazonaws.licensemanager#TokenType",
"traits": {
"smithy.api#documentation": " Token type. "
}
},
"Token": {

```
            "target": "com.amazonaws.licensemanager#TokenString",
            "traits": {
                "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
        "Begin": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Start of the time range.</p>",
                "smithy.api#required":
{}
            }
        },
        "End": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>End of the time range.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
},
"com.amazonaws.licensemanager#DeleteGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified grant. "
}
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
"type": "structure",
"members": {
"GrantArn": {

"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " The Status reason for the delete request. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the grant. ",
"smithy.api#required": {}
}
}
},
"traits": {

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            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteGrantResponse":
{
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicense":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
```

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        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Deletes the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n        <p>You cannot
```

delete a license configuration that is in use. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the license
configuration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},

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            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified report generator.</p>\n        <p>This action deletes
 the report generator, which stops it from generating future reports.\n        The action cannot be reversed. It has no effect on the previous reports from this generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to be deleted.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {},
        "traits": {

          "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
```

```
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                "smithy.api#required": {}
            }
        },
        "SourceVersion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Current version of the license.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#DeleteLicenseResponse": {

 "type": "structure",
    "members": {
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        },
        "DeletionDate": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DeleteToken": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
     },
    "errors": [
```

```
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified token.
Must be called in the license home Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenRequest": {
        "type": "structure",
        "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteTokenResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
```

```
    },
    "com.amazonaws.licensemanager#DigitalSignatureMethod": {
      "type": "enum",
      "members": {
        "JWT_PS384": {
          "target": "smithy.api#Unit",

         "traits": {
            "smithy.api#enumValue": "JWT_PS384"
          }
        }
      }
    },
    "com.amazonaws.licensemanager#Entitlement": {
      "type": "structure",
      "members": {
        "Name": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Entitlement name.</p>",
            "smithy.api#required": {}
          }
        },
        "Value": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Entitlement resource. Use only if the unit is None.</p>"
          }
        },
        "MaxCount": {
          "target": "com.amazonaws.licensemanager#Long",
          "traits": {
            "smithy.api#documentation":
"<p>Maximum entitlement count. Use if the unit is not None.</p>"
          }
        },
        "Overage": {
          "target": "com.amazonaws.licensemanager#BoxBoolean",
          "traits": {
            "smithy.api#documentation": "<p>Indicates whether overages are allowed.</p>"
          }
        },
        "Unit": {
          "target": "com.amazonaws.licensemanager#EntitlementUnit",
          "traits": {
            "smithy.api#documentation": "<p>Entitlement unit.</p>",
            "smithy.api#required": {}
          }
```

```
        },
        "AllowCheckIn": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
                "smithy.api#documentation": "<p>Indicates whether check-ins are allowed.</p>"
            }
        }

    },
    "traits": {
        "smithy.api#documentation": "<p>Describes a resource entitled for use with a license.</p>"
    }
  },
  "com.amazonaws.licensemanager#EntitlementData": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement data name.</p>",
                "smithy.api#required": {}
            }
        },
        "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement data value.</p>"
            }
        },
        "Unit": {
            "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
            "traits": {

"smithy.api#documentation": "<p>Entitlement data unit.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
    }
  },
  "com.amazonaws.licensemanager#EntitlementDataList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#EntitlementData"
    }
  },
```

"com.amazonaws.licensemanager#EntitlementDataUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"None"
}
},
"SECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"
}
},

"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}

},
"BYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},
"TERABYTES_PER_SECOND": {
"target":
"smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"

```
            }
        },
        "MEGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Megabits/Second"
            }
        },
        "GIGABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue":
"Gigabits/Second"
            }
        },
        "TERABITS_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabits/Second"
            }
        },
        "COUNT_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count/Second"
            }
        }
    }
},
"com.amazonaws.licensemanager#EntitlementList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Entitlement"
    }
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }

 },
    "traits": {
        "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
```

```
},
"com.amazonaws.licensemanager#EntitlementUnit": {
    "type": "enum",
    "members": {
        "COUNT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count"
            }
        },
        "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "None"
            }
        },
        "SECONDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Seconds"
            }
        },
        "MICROSECONDS": {

            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Microseconds"
            }
        },
        "MILLISECONDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Milliseconds"
            }
        },
        "BYTES": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Bytes"
            }
        },
        "KILOBYTES": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobytes"
            }
        },
        "MEGABYTES": {
```

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"

}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"
}

```
            },
            "PERCENT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Percent"
                }
            },
            "BYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Bytes/Second"
                }
            },
            "KILOBYTES_PER_SECOND": {
                "target":
"smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Kilobytes/Second"
                }
            },
            "MEGABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Megabytes/Second"
                }
            },
            "GIGABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Gigabytes/Second"
                }
            },
            "TERABYTES_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Terabytes/Second"
                }
            },
            "BITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {

  "smithy.api#enumValue": "Bits/Second"
                }
            },
            "KILOBITS_PER_SECOND": {
                "target": "smithy.api#Unit",
                "traits": {
```

```
            "smithy.api#enumValue": "Kilobits/Second"
          }
        },
        "MEGABITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Megabits/Second"
          }
        },
        "GIGABITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Gigabits/Second"
          }
        },
        "TERABITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Terabits/Second"
          }
        },

        "COUNT_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Count/Second"
          }
        }
      }
    },
    "com.amazonaws.licensemanager#EntitlementUsage": {
      "type": "structure",
      "members": {
        "Name": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Entitlement usage name.</p>",
            "smithy.api#required": {}
          }
        },
        "ConsumedValue": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Resource usage consumed.</p>",
            "smithy.api#required": {}
          }
        },
        "MaxCount":
```

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{
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
            }
        },
        "Unit": {
            "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
    }
},
"com.amazonaws.licensemanager#EntitlementUsageList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#EntitlementUsage"
    }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumption":
{
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>",
                    "smithy.api#required": {}
                }
            },
            "DryRun": {
                "target": "com.amazonaws.licensemanager#Boolean",
                "traits": {
                    "smithy.api#default": false,

            "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action,
without actually making the request. Provides an error response if you do not have the required permissions.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },
            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
```

"smithy.api#documentation": " Date and time at which the license consumption expires. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#FailedDependencyException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
},
"ErrorCode": {
"target": "com.amazonaws.licensemanager#String"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FailedDependency",
"httpResponseCode": 424
},
"smithy.api#documentation": " A dependency required to run the API is missing. ",
"smithy.api#error": "client",
"smithy.api#httpError": 424
}
},
"com.amazonaws.licensemanager#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#FilterName",
"traits": {
"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only specify one value for the filter. "
}
}
},
"traits": {

"smithy.api#documentation": " A filter name and value pair that is used to return more specific results from a\n describe operation. Filters can be used to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "

}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FilterLimitExceeded",
"httpResponseCode": 400
},
"smithy.api#documentation": " The request uses too many filters or too many filter values. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Filter"
}
},
"com.amazonaws.licensemanager#FilterName": {
"type": "string"
},
"com.amazonaws.licensemanager#FilterValue":
{
"type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#FilterValue",
"traits": {
"smithy.api#xmlName": "item"
}
}
},
"com.amazonaws.licensemanager#Filters": {
"type": "list",
"member": {

"target": "com.amazonaws.licensemanager#Filter",
"traits": {
"smithy.api#xmlName": "item"
}
}
},
"com.amazonaws.licensemanager#GetAccessToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access tokens\n are valid for one hour. "
}
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
"type": "structure",
"members": {
"Token":
{
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Refresh token, encoded as a JWT token. ",
"smithy.api#required": {}
}
},

"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Token properties to validate against those present in the JWT token. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetAccessTokenResponse": {
"type": "structure",
"members": {
"AccessToken": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {

"smithy.api#documentation": " Temporary access token. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"

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        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
    "type": "structure",
    "members": {
        "Grant": {
            "target": "com.amazonaws.licensemanager#Grant",
            "traits": {
                "smithy.api#documentation": "<p>Grant details.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
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        }
    },
    "com.amazonaws.licensemanager#GetLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseRequest"
         },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed
information about the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
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"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license configuration. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationId":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Unique ID for the license configuration. "
}
},
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}

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            },
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>"
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Description of the license configuration.</p>"
                }
            },
            "LicenseCountingType": {
                "target": "com.amazonaws.licensemanager#LicenseCountingType",
                "traits": {
                    "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
                }
            },
            "LicenseRules": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>License rules.</p>"
                }
            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of available licenses.</p>"
                }
            },
            "LicenseCountHardLimit": {

 "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
                }
            },
            "ConsumedLicenses": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of licenses assigned to resources.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
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"smithy.api#documentation": " License configuration status. "
}
},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner
of the license configuration. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList":
{
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is
uninstalled. "
}
}

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        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConversionTask":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
         "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the license type conversion task to retrieve information
on.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
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"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted to. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " Status of the license type conversion task. "
}
},
"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time at which the license type conversion task

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 was started .</p>"
                }
            },
            "LicenseConversionTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
                }
            },
            "EndTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time at which the license type conversion task was
completed.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"

    },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
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            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse":
{
        "type": "structure",
        "members": {
            "ReportGenerator": {
                "target": "com.amazonaws.licensemanager#ReportGenerator",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
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            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                "smithy.api#required": {}
            }
        },
        "Version": {
            "target":
"com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#GetLicenseResponse": {
    "type": "structure",
    "members": {
        "License": {
            "target": "com.amazonaws.licensemanager#License",
            "traits": {
                "smithy.api#documentation": "<p>License details.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetLicenseUsage": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
    },
    "output":
{
        "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
```

"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the usage of the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseUsageRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseUsageResponse": {
"type": "structure",
"members": {
"LicenseUsage": {
"target": "com.amazonaws.licensemanager#LicenseUsage",
"traits": {
"smithy.api#documentation": " License usage details. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetServiceSettings": {
"type": "operation",

"input": {
"target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation":
" Gets the License Manager settings for the current Region. "
}
},
"com.amazonaws.licensemanager#GetServiceSettingsRequest": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Regional S3 bucket path for storing reports, license trail event data,
discovery data,\n and so on. "
}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " SNS topic configured
to receive notifications from License Manager. "
}

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            },
            "OrganizationConfiguration": {
                "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether Organizations is integrated with License
Manager for\n        cross-account discovery.</p>"
                }
            },
            "EnableCrossAccountsDiscovery": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether cross-account discovery is enabled.</p>"
                }
            },
            "LicenseManagerResourceShareArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon
 Resource Name (ARN) of the resource share. The License Manager management account \n        provides member
accounts with access to this share.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#Grant": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>",
                    "smithy.api#required": {}

  }
            },
            "ParentArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
```

"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",
"smithy.api#required": {}
}
},
"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation":
" Grant version. ",
"smithy.api#required": {}
}
},
"GrantedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",

```
            "traits": {
                "smithy.api#documentation": "<p>Granted operations.</p>",
                "smithy.api#required": {}
            }
        },
        "Options": {
            "target": "com.amazonaws.licensemanager#Options",
            "traits": {
                "smithy.api#documentation": "<p>The options specified for the grant.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes a grant.</p>"
    }
},
"com.amazonaws.licensemanager#GrantList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Grant"
    }
},
"com.amazonaws.licensemanager#GrantStatus": {
    "type": "enum",
    "members": {
        "PENDING_WORKFLOW": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_WORKFLOW"
            }
        },
        "PENDING_ACCEPT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_ACCEPT"
            }
        },
        "REJECTED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "REJECTED"
            }
        },
        "ACTIVE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ACTIVE"
            }
```

```
            },
            "FAILED_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED_WORKFLOW"
                }
            },
            "DELETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DELETED"
                }
            },
            "PENDING_DELETE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_DELETE"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DISABLED"
                }
            },
            "WORKFLOW_COMPLETED": {
                "target": "smithy.api#Unit",
                "traits":
{
                    "smithy.api#enumValue": "WORKFLOW_COMPLETED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#GrantedLicense": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>"
                }
```

```
            },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product name.</p>"

        }
            },
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product SKU.</p>"
                }
            },
            "Issuer": {
                "target": "com.amazonaws.licensemanager#IssuerDetails",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license issuer.</p>"
                }
            },
            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region of the granted license.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation":
 "<p>Granted license status.</p>"
                }
            },
            "Validity": {
                "target": "com.amazonaws.licensemanager#DatetimeRange",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in
ISO8601-UTC format.</p>"
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementList",
```

```
            "traits": {
                "smithy.api#documentation": "<p>License entitlements.</p>"
            }
        },
        "ConsumptionConfiguration": {

"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
            }
        },
        "LicenseMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
                "smithy.api#documentation": "<p>Granted license metadata.</p>"
            }
        },
        "CreateTime": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Creation time of the granted license.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Version of the
granted license.</p>"
            }
        },
        "ReceivedMetadata": {
            "target": "com.amazonaws.licensemanager#ReceivedMetadata",
            "traits": {
                "smithy.api#documentation": "<p>Granted license received metadata.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
    }
},
"com.amazonaws.licensemanager#GrantedLicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#GrantedLicense"
    }
},
"com.amazonaws.licensemanager#ISO8601DateTime": {
```

"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$"
}
},
"com.amazonaws.licensemanager#Integer": {
"type": "integer"
},
"com.amazonaws.licensemanager#InvalidParameterValueException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidParameterValueProvided",
"httpResponseCode": 400
},
"smithy.api#documentation": " One or more parameter values are not valid. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#InvalidResourceStateException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidResourceState",
"httpResponseCode": 400
},
"smithy.api#documentation": " License Manager cannot allocate a license to a resource because of its state. \n For example, you cannot allocate a license to an instance in the process of shutting\n down. ",
"smithy.api#error": "client",

```
        "smithy.api#httpError": 400
      }
    },
    "com.amazonaws.licensemanager#InventoryFilter": {
      "type": "structure",
      "members": {
        "Name": {
          "target": "com.amazonaws.licensemanager#String",

"traits": {
            "smithy.api#documentation": "<p>Name of the filter.</p>",
            "smithy.api#required": {}
          }
        },
        "Condition": {
          "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
          "traits": {
            "smithy.api#documentation": "<p>Condition of the filter.</p>",
            "smithy.api#required": {}
          }
        },
        "Value": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Value of the filter.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>An inventory filter.</p>"
      }
    },
    "com.amazonaws.licensemanager#InventoryFilterCondition": {
      "type": "enum",
       "members": {
        "EQUALS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "EQUALS"
          }
        },
        "NOT_EQUALS": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "NOT_EQUALS"
          }
        },
        "BEGINS_WITH": {
```

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "BEGINS_WITH"
}
},
"CONTAINS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CONTAINS"
}
}
}
},
"com.amazonaws.licensemanager#InventoryFilterList": {
"type": "list",

"member": {
"target": "com.amazonaws.licensemanager#InventoryFilter"
}
},
"com.amazonaws.licensemanager#Issuer": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. ",
"smithy.api#required": {}
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the issuer of a license. "
}
},
"com.amazonaws.licensemanager#IssuerDetails": {
"type": "structure",
"members": {
"Name": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. "
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer key fingerprint. "
}
}
},
"traits": {
"smithy.api#documentation": " Details associated with the issuer of a license. "
}
},
"com.amazonaws.licensemanager#License": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. "
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " License issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},

"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}

```
            },
            "LicenseMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>License metadata.</p>"
                }
            },
            "CreateTime": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>License creation time.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>License version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfiguration": {
        "type": "structure",
        "members": {
            "LicenseConfigurationId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
                }
            },
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
                }
            },
            "Name": {

             "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>"
                }
            },
            "Description": {
```

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension to use to track the license inventory. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation":
" License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Number of available licenses as a hard limit. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is
uninstalled. "
}
},
"ConsumedLicenses":
{
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the license configuration. "

```
            }
        },
        "OwnerAccountId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Account ID of the license configuration's owner.</p>"
            }
        },
        "ConsumedLicenseSummaryList": {
            "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
            "traits": {

    "smithy.api#documentation": "<p>Summaries for licenses consumed by various resources.</p>"
            }
        },
        "ManagedResourceSummaryList": {
            "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
            "traits": {
                "smithy.api#documentation": "<p>Summaries for managed resources.</p>"
            }
        },
        "ProductInformationList": {
            "target": "com.amazonaws.licensemanager#ProductInformationList",
            "traits": {
                "smithy.api#documentation": "<p>Product information.</p>"
            }
        },
        "AutomatedDiscoveryInformation": {
            "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
            "traits": {
                "smithy.api#documentation": "<p>Automated discovery information.</p>"

           }
           }
        },
        "traits": {
            "smithy.api#documentation": "<p>A license configuration is an abstraction of a customer license
agreement that can be\n        consumed and enforced by License Manager. Components include specifications for
the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n
Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n        must be associated with a
host), and the number of licenses purchased and used.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "

}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of server resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was associated with the resource. "
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an association with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
}
},
"com.amazonaws.licensemanager#LicenseConfigurationStatus": {
"type": "enum",
"members": {
"AVAILABLE": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},

"DISABLED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISABLED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsage": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of resource. "
}
},
"ResourceStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the usage of a resource associated with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
}
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfiguration"
}
},
"com.amazonaws.licensemanager#LicenseConversionContext": {
"type": "structure",
"members": {
"UsageOperation": {
"target": "com.amazonaws.licensemanager#UsageOperation",
"traits": {
"smithy.api#documentation": " The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\n \n "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {

"smithy.api#documentation": " The ID of the license type conversion task. "

}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource associated with the license type\n conversion task. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted to. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " The status of the conversion task. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "
}
},
"StartTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the conversion task was started at. "
}
},
"LicenseConversionTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " The time the usage operation value of the resource was changed. "

```
            }
        },
        "EndTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 50
        },
        "smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
    }
},
"com.amazonaws.licensemanager#LicenseConversionTaskStatus":
{
    "type": "enum",
    "members": {
        "IN_PROGRESS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "IN_PROGRESS"
            }
        },
        "SUCCEEDED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SUCCEEDED"
            }
        },
        "FAILED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseConversionTasks": {
```

```
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTask"
        }
    },
    "com.amazonaws.licensemanager#LicenseCountingType":
{
        "type": "enum",
        "members": {
            "VCPU": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "vCPU"
                }
            },
            "INSTANCE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Instance"
                }
            },
            "CORE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Core"
                }
            },
            "SOCKET": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "Socket"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseDeletionStatus":
{
        "type": "enum",
        "members": {
            "PENDING_DELETE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_DELETE"
                }
            },
            "DELETED": {
                "target": "smithy.api#Unit",
                "traits": {
```

"smithy.api#enumValue": "DELETED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#License"
}
},
"com.amazonaws.licensemanager#LicenseOperationFailure": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation":
" Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Resource type. "
}
},
"ErrorMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Error message. "
}
},
"FailureTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Failure time. "
}
},
"OperationName": {
"target": "com.amazonaws.licensemanager#String",
"traits":
{
"smithy.api#documentation": " Name of the operation. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource. "
}
},
"OperationRequestedBy": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The requester is \"License Manager Automated Discovery\". "
}
},
"MetadataList": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Reserved. "
}
}

},
"traits": {
"smithy.api#documentation": " Describes the failure of a license operation. "
}
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailure"
}
},
"com.amazonaws.licensemanager#LicenseSpecification": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits":
{
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}

```
    },
    "traits": {
        "smithy.api#documentation": "<p>Details for associating a license configuration with a resource.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#LicenseSpecification"
    }
},
"com.amazonaws.licensemanager#LicenseStatus": {
    "type": "enum",
    "members": {
        "AVAILABLE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "AVAILABLE"
            }
        },
        "PENDING_AVAILABLE": {
            "target": "smithy.api#Unit",

      "traits": {
                "smithy.api#enumValue": "PENDING_AVAILABLE"
            }
        },
        "DEACTIVATED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DEACTIVATED"
            }
        },
        "SUSPENDED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SUSPENDED"
            }
        },
        "EXPIRED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EXPIRED"
            }
        },
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
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"smithy.api#enumValue": "PENDING_DELETE"
}
},

"DELETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DELETED"
}
}
}
},
"com.amazonaws.licensemanager#LicenseUsage": {
"type": "structure",
"members": {
"EntitlementUsages": {
"target": "com.amazonaws.licensemanager#EntitlementUsageList",
"traits": {
"smithy.api#documentation": " License entitlement usages. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the entitlement usage associated with a license. "
}
},
"com.amazonaws.licensemanager#LicenseUsageException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "LicenseUsageFailure",
"httpResponseCode": 412
},
"smithy.api#documentation": " You do not have enough licenses available to support a new resource launch. ",
"smithy.api#error": "client",
"smithy.api#httpError": 412
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"

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        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
             },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the resource associations for the specified license
configuration.</p>\n        <p>Resource associations need not consume licenses from a license configuration. \n
For example, an AMI or a stopped instance might not consume a license (depending
 on \n        the license rules).</p>"
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
```

"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationAssociations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license configuration. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}

},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},

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            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {

  "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
        "type": "structure",
        "members": {
            "GrantArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                 "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseArn</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>GrantStatus</code>\n                </p>\n            </li>\n
   <li>\n                <p>\n                <code>GranteePrincipalARN</code>\n                </p>\n            </li>\n
<li>\n                <p>\n                <code>ProductSKU</code>\n                </p>\n            </li>\n            <li>\n
<p>\n                <code>LicenseIssuerName</code>\n                </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
```

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            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
    "type": "structure",
    "members": {
        "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
            "traits": {
                "smithy.api#documentation": "<p>Distributed grant details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
```

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            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
    }
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
    "type": "structure",
    "members": {
        "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
                "smithy.api#required": {}

    }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse": {
    "type": "structure",
    "members": {
        "LicenseOperationFailureList": {
            "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
```

```
 "traits": {
            "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
        }
      },
      "NextToken": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanager#ListLicenseConfigurations": {
    "type": "operation",
    "input": {
      "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
    },
    "output": {
      "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
    },
    "errors": [
      {
        "target": "com.amazonaws.licensemanager#AccessDeniedException"
       },
      {
        "target": "com.amazonaws.licensemanager#AuthorizationException"
      },
      {
        "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
      },
      {
        "target": "com.amazonaws.licensemanager#RateLimitExceededException"
      },
      {
        "target": "com.amazonaws.licensemanager#ServerInternalException"
      }
    ],
    "traits": {
      "smithy.api#documentation": "<p>Lists the license configurations for your account.</p>"
    }
  },
  "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
```

"type": "structure",
"members": {
"LicenseConfigurationArns":
{
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the license
configurations. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation":
" Filters to scope the results. The following filters and logical operators\n are supported: \n \n
\n \n <code>licenseCountingType</code> - The dimension for which licenses are
counted.\n Possible values are <code>vCPU</code> | <code>Instance</code> | <code>Core</code> |
<code>Socket</code>. \n \n \n \n
<code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license enforcement is
used. \n \n \n \n <code>usagelimitExceeded</code> - A Boolean
value that indicates whether the available licenses have been exceeded. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConfigurationsResponse":
{
"type": "structure",
"members": {
"LicenseConfigurations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurations",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "

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            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest":
{
    "type": "structure",
    "members": {
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " \n Filters to scope the results. Valid filters are <code>ResourceArns</code> and <code>Status</code>.\n "
}

}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
"type": "structure",
"members": {
"LicenseConversionTasks": {
"target": "com.amazonaws.licensemanager#LicenseConversionTasks",
"traits": {
"smithy.api#documentation": " Information about the license configuration tasks for your account. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the report generators for your account. "
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported:
\n \n \n \n <code>LicenseConfigurationArn</code>\n
\n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
"type": "structure",
"members": {
"ReportGenerators": {
"target": "com.amazonaws.licensemanager#ReportGeneratorList",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

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            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
        "type": "structure",
        "members": {

        "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an
associated license configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input":
 {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
```

```
        "type": "structure",
        "members": {
          "LicenseSpecifications": {
            "target": "com.amazonaws.licensemanager#LicenseSpecifications",
            "traits": {
              "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseVersions": {
        "type": "operation",
        "input": {
          "target":
"com.amazonaws.licensemanager#ListLicenseVersionsRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
        }
```

```
},
    "com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
             }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#LicenseList",
                "traits": {
                    "smithy.api#documentation": "<p>License details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
```

```
    },
    "com.amazonaws.licensemanager#ListLicenses": {
        "type": "operation",
        "input": {

"target": "com.amazonaws.licensemanager#ListLicensesRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicensesResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {

       "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicensesRequest": {
        "type": "structure",
        "members": {
            "LicenseArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
```

supported: \n \n \n \n <code>Beneficiary</code>\n \n
\n \n \n <code>ProductSKU</code>\n
\n \n \n \n <code>Fingerprint</code>\n \n
\n \n \n <code>Status</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicensesResponse":
{
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#LicenseList",
"traits": {
"smithy.api#documentation": " License details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"

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        },
        "output": {
            "target":
"com.amazonaws.licensemanager#ListReceivedGrantsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits":
{
            "smithy.api#documentation": "<p>Lists grants that are received. Received grants are grants created while
specifying the\n        recipient as this Amazon Web Services account, your organization, or an organizational unit\n
    (OU) to which this member account belongs.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
```

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{

"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the received license. ",
"smithy.api#required": {}
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ParentArn</code>\n \n \n \n \n <code>GranteePrincipalArn</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}

```
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse": {
        "type": "structure",
        "members": {
            "Grants": {
                "target": "com.amazonaws.licensemanager#GrantList",
                "traits": {
                    "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
        "type": "structure",
        "members": {
            "GrantArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n
            <p>\n                <code>ProductSKU</code>\n            </p>\n        </li>\n        <li>\n            <p>\n
             <code>LicenseIssuerName</code>\n            </p>\n        </li>\n        <li>\n            <p>\n
```

```
<code>LicenseArn</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>GrantStatus</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>GranterAccountId</code>\n            </p>\n          </li>\n        </ul>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
             "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
        "type": "structure",
        "members": {
          "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
            "traits": {
              "smithy.api#documentation": "<p>Received grant details.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },

  "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListReceivedLicenses": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
        },
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"output": {
"target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists received licenses. "
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganization": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"

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            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {

     "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>Beneficiary</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n                </p>\n            </li>\n
 </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                 "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
```

```
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
      "type": "structure",
      "members": {
        "Licenses": {
          "target": "com.amazonaws.licensemanager#GrantedLicenseList",
          "traits": {
            "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
      "type": "structure",
      "members": {
        "LicenseArns": {
          "target": "com.amazonaws.licensemanager#ArnList",
          "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
          }
        },
        "Filters": {
          "target": "com.amazonaws.licensemanager#FilterList",
          "traits": {
            "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n<ul>\n<li>\n<p>\n<code>ProductSKU</code>\n</p>\n
</li>\n<li>\n<p>\n<code>Status</code>\n
</p>\n</li>\n<li>\n<p>\n<code>Fingerprint</code>\n</p>\n
</li>\n<li>\n<p>\n<code>IssuerName</code>\n</p>\n</li>\n
<li>\n<p>\n<code>Beneficiary</code>\n</p>\n</li>\n</ul>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        },
        "MaxResults": {
          "target": "com.amazonaws.licensemanager#MaxSize100",
```

```
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }

        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
      "type": "structure",
      "members": {
        "Licenses": {
            "target": "com.amazonaws.licensemanager#GrantedLicenseList",
            "traits": {
                "smithy.api#documentation": "<p>Received license details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#ListResourceInventory": {
      "type": "operation",
      "input":
{
        "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
      },
      "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FailedDependencyException"
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            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"

    },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListResourceInventoryRequest": {
        "type": "structure",
        "members": {
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },

        "Filters": {
                "target": "com.amazonaws.licensemanager#InventoryFilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>account_id</code>
- The ID of the Amazon Web Services account that owns the resource.\n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n                <p>\n
    <code>application_name</code> - The name of the application. \n                Logical operators are
<code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n            </li>\n            <li>\n                <p>\n
    <code>license_included</code> - The type of license included. \n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.\n
                Possible values are <code>sql-server-enterprise</code> | \n                <code>sql-server-standard</code> |
\n                <code>sql-server-web</code> |  \n                <code>windows-server-datacenter</code>.</p>\n
```

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</li>\n            <li>\n              <p>\n                <code>platform</code> - The platform of the resource.\n
Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n            </li>\n
<li>\n              <p>\n                <code>resource_id</code> - The ID of the resource. \n              Logical operators
are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n              <p>\n
          <code>tag:<key></code> - The key/value combination of a tag assigned \n              to the resource. Logical
operators are <code>EQUALS</code> (single account) or\n              <code>EQUALS</code> |
<code>NOT_EQUALS</code> (cross account).</p>\n
      </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListResourceInventoryResponse": {
        "type": "structure",
        "members": {
            "ResourceInventoryList": {
                "target": "com.amazonaws.licensemanager#ResourceInventoryList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the resources.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResource":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
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            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {

    "smithy.api#documentation": "<p>Lists the tags for the specified resource. For more information about tagging
support in\n        License Manager, see the <a href=\"https://docs.aws.amazon.com/license-
manager/latest/APIReference/API_TagResource.html\">TagResource</a> operation.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members":
{
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
```

```
            }
        },
        "com.amazonaws.licensemanager#ListTokens": {
            "type": "operation",
            "input": {
                "target": "com.amazonaws.licensemanager#ListTokensRequest"
            },
            "output": {
                "target": "com.amazonaws.licensemanager#ListTokensResponse"
            },
            "errors": [
                {
                    "target": "com.amazonaws.licensemanager#AccessDeniedException"
                },
                {
                    "target": "com.amazonaws.licensemanager#AuthorizationException"
                },
                {
                    "target": "com.amazonaws.licensemanager#RateLimitExceededException"
                },
                {
                    "target": "com.amazonaws.licensemanager#ServerInternalException"
                },
                {
                    "target": "com.amazonaws.licensemanager#ValidationException"
                }
            ],
            "traits": {
                "smithy.api#documentation": "<p>Lists your tokens.</p>"
            }
        },
        "com.amazonaws.licensemanager#ListTokensRequest": {
            "type": "structure",
            "members": {
                "TokenIds": {
                    "target": "com.amazonaws.licensemanager#StringList",
                    "traits": {
                        "smithy.api#documentation": "<p>Token IDs.</p>"
                    }
                },
                "Filters": {
                    "target": "com.amazonaws.licensemanager#FilterList",
                    "traits": {
                        "smithy.api#documentation": "<p>Filters
 to scope the results. The following filter is supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>LicenseArns</code>\n                </p>\n            </li>\n        </ul>"
                    }
                },
```

"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListTokensResponse": {
"type":
"structure",
"members": {
"Tokens": {
"target": "com.amazonaws.licensemanager#TokenList",
"traits": {
"smithy.api#documentation": " Received token details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists all license usage records for a license configuration, displaying license\n consumption
details by resource at a selected point in time. Use this action to audit the\n current license consumption for any license inventory and configuration. "
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},

"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}

```
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n              <p>\n
<code>resourceArn</code> - The ARN of the license configuration resource.</p>\n            </li>\n            <li>\n
    <p>\n                <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | \n
\t<code>EC2_HOST</code> | <code>EC2_AMI</code> |
<code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>).</p>\n            </li>\n            <li>\n
            <p>\n                <code>resourceAccount</code> - The ID of the account that owns the resource.</p>\n
    </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurationUsageList": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"

            }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#Location": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#Long": {
        "type": "long"
    },
    "com.amazonaws.licensemanager#ManagedResourceSummary": {
        "type": "structure",
```

```
      "members": {
        "ResourceType": {
          "target": "com.amazonaws.licensemanager#ResourceType",
          "traits": {
            "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
          }
        },
        "AssociationCount": {
          "target": "com.amazonaws.licensemanager#BoxLong",
          "traits": {
            "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
          }

    }
      },
      "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
      }
    },
    "com.amazonaws.licensemanager#ManagedResourceSummaryList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
      }
    },
    "com.amazonaws.licensemanager#MaxSize100": {
      "type": "integer",
      "traits": {
        "smithy.api#range": {
          "min": 1,
          "max": 100
        }
      }
    },
    "com.amazonaws.licensemanager#MaxSize3StringList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanager#String"
      },
      "traits": {
        "smithy.api#length": {
          "min": 0,
          "max": 3
        }
      }

  },
    "com.amazonaws.licensemanager#Message": {
```

```
        "type": "string"
    },
    "com.amazonaws.licensemanager#Metadata": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The key name.</p>"
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The value.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes key/value pairs.</p>"
        }
    },
    "com.amazonaws.licensemanager#MetadataList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Metadata"
         }
    },
    "com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>There are no entitlements found for this license, or the entitlement
maximum count is reached.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#Options": {
        "type": "structure",
        "members": {
            "ActivationOverrideBehavior": {
                "target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
                "traits": {
```

"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n
Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n \n \n As a grantor, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your organization. \n \n \n As a grantee, if the grantor creating the distributed grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n are activating the grant. \n \n
\n <dl>\n <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n Use this value to activate a grant without replacing any member accounts\n active grants for the same product. \n </dd>\n <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n
Use this value to activate a grant and disable other active grants in any\n member accounts for the same product. This action will also replace their\n previously activated grants with this activated grant. \n </dd>\n </dl>"
}
}
},
"traits": {
"smithy.api#documentation": " The options you can specify when you create a new version of a grant, such as activation\n override behavior. For more information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#OrganizationConfiguration": {
"type": "structure",
"members": {
"EnableIntegration": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,
"smithy.api#documentation": " Enables Organizations integration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Configuration information for Organizations. "
}
},
"com.amazonaws.licensemanager#PrincipalArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
},

"traits": {

"smithy.api#length": {
"min": 1,
"max": 1
}
}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Resource type. The possible values are
<code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code>
which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies
the value to filter on. \n Accepted values for <code>ProductInformationFilterName</code> are listed
here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. \n
The following filters and are supported when the resource type \n is
<code>SSM_MANAGED</code>: \n \n \n \n <code>Application
Name</code> - The name of the application.\n Logical operator is <code>EQUALS</code>. \n
\n \n \n <code>Application Publisher</code> - The publisher of the
application.\n Logical operator is <code>EQUALS</code>. \n \n \n
\n <code>Application Version</code> - The version of the
application.\n Logical operator is <code>EQUALS</code>. \n \n \n
\n <code>Platform Name</code> - The name of the platform.\n Logical operator is
<code>EQUALS</code>. \n \n \n \n <code>Platform
Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n \n
\n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services
resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The
key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-
key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n
\n \n \n \n
<code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude
from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n
\n \n <code>License Included</code> - The type of license included.\n Logical
operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are:
<code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-

web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
The following filters and logical operators are supported when the resource type\n is
<code>RDS</code>: \n \n \n \n <code>Engine Edition</code> -
The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n
Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> |
<code>oracle-se2</code> \n \t| <code>db2-se</code> | <code>db2-ae</code>. \n \n
\n \n <code>License Pack</code> - The license pack.\n Logical operator is
<code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic
pack sqlt</code> | \n <code>tuning pack sqlt</code> | \n <code>ols</code> | \n
<code>olap</code>. \n \n ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information for a license configuration. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilter":
{
"type": "structure",
"members": {
"ProductInformationFilterName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Filter name. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterValue": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " Filter value. "
}
},
"ProductInformationFilterComparator": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Logical operator. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information filters. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {

"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ProductInformationFilter"
}
},
"com.amazonaws.licensemanager#ProductInformationList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ProductInformation"
}
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
"type": "structure",
"members": {
"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the provisional configuration, in minutes. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "RateLimitExceeded",
"httpResponseCode": 429
},
"smithy.api#documentation": " Too many requests have been submitted. Try again after a brief wait. ",
"smithy.api#error": "client",
"smithy.api#httpError": 429
}
},
"com.amazonaws.licensemanager#ReceivedMetadata": {
"type": "structure",

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    "members": {
      "ReceivedStatus": {
        "target": "com.amazonaws.licensemanager#ReceivedStatus",
        "traits": {
          "smithy.api#documentation": "<p>Received status.</p>"
        }
      },
      "ReceivedStatusReason": {
        "target": "com.amazonaws.licensemanager#StatusReasonMessage",
        "traits": {
          "smithy.api#documentation": "<p>Received status reason.</p>"
        }
      },
      "AllowedOperations": {
        "target": "com.amazonaws.licensemanager#AllowedOperationList",
        "traits": {
          "smithy.api#documentation": "<p>Allowed operations.</p>"
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
    }
  },
  "com.amazonaws.licensemanager#ReceivedStatus": {
    "type": "enum",
    "members": {
      "PENDING_WORKFLOW": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "PENDING_WORKFLOW"
        }
      },
      "PENDING_ACCEPT": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "PENDING_ACCEPT"
        }
      },
      "REJECTED": {
        "target": "smithy.api#Unit",
        "traits": {
          "smithy.api#enumValue": "REJECTED"
        }
      },
      "ACTIVE": {
        "target": "smithy.api#Unit",
        "traits": {
```

"smithy.api#enumValue": "ACTIVE"
}

},
"FAILED_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED_WORKFLOW"
}
},
"DELETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DELETED"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISABLED"
}
},
"WORKFLOW_COMPLETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WORKFLOW_COMPLETED"
}
}
}
},
"com.amazonaws.licensemanager#RedirectException": {
"type": "structure",

"members": {
"Location": {
"target": "com.amazonaws.licensemanager#Location",
"traits": {
"smithy.api#httpHeader": "Location"
}
},
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " This is not the correct Region for the resource. Try again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 308

```
        }
    },
    "com.amazonaws.licensemanager#RejectGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#RejectGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#RejectGrantResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#RejectGrantRequest":
{
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
```

```
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#RejectGrantResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",

          "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#RenewType": {
    "type": "enum",
    "members": {
        "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "None"
            }
        },
        "WEEKLY": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Weekly"
            }
```

```
    },
        "MONTHLY": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Monthly"
          }
        }
      }
    },
    "com.amazonaws.licensemanager#ReportContext": {
      "type": "structure",
      "members": {
        "licenseConfigurationArns": {
          "target": "com.amazonaws.licensemanager#ArnList",
          "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration that
this generator reports on.</p>",
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Details of the license configuration that this generator reports on.</p>"
      }
    },
    "com.amazonaws.licensemanager#ReportFrequency": {

 "type": "structure",
      "members": {
        "value": {
          "target": "com.amazonaws.licensemanager#Integer",
          "traits": {
            "smithy.api#documentation": "<p>Number of times within the frequency period that a report is
generated.  \n        The only supported value is <code>1</code>.</p>"
          }
        },
        "period": {
          "target": "com.amazonaws.licensemanager#ReportFrequencyType",
          "traits": {
            "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
or monthly.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
      }
    },
```

"com.amazonaws.licensemanager#ReportFrequencyType": {
"type": "enum",
"members":
{
"DAY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DAY"
}
},
"WEEK": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WEEK"
}
},
"MONTH": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "MONTH"
}
}
}
},
"com.amazonaws.licensemanager#ReportGenerator": {
"type": "structure",
"members": {
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the report generator. "

}
},
"ReportType": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports that are generated. "
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " License configuration type for this generator. "
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",

"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. "
}
},
"LastRunStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the last report generation attempt. "
}
},
"LastRunFailureReason": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Failure message for the last report generation attempt. "
}
},
"LastReportGenerationTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time
the last report was generated at. "
}
},
"ReportCreatorAccount": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Web Services account ID used to create the report
generator. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"S3Location": {
"target": "com.amazonaws.licensemanager#S3Location",
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published
to. "
}

```
        },

    "CreateTime": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Time the report was created.</p>"
            }
        },
        "Tags": {
            "target": "com.amazonaws.licensemanager#TagList",
            "traits": {
                "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
            }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
      }
    },
    "com.amazonaws.licensemanager#ReportGeneratorList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanager#ReportGenerator"
      }
    },
    "com.amazonaws.licensemanager#ReportGeneratorName": {
      "type": "string",

  "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 100
        }
      }
    },
    "com.amazonaws.licensemanager#ReportType": {
      "type": "enum",
      "members": {
        "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
            }
        },
        "LICENSE_CONFIGURATION_USAGE_REPORT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "LicenseConfigurationUsageReport"
```

```
            }
          }
        }
      },
      "com.amazonaws.licensemanager#ReportTypeList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#ReportType"

}
      },
      "com.amazonaws.licensemanager#ResourceInventory": {
        "type": "structure",
        "members": {
          "ResourceId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>ID of the resource.</p>"
            }
          },
          "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
              "smithy.api#documentation": "<p>Type of resource.</p>"
            }
          },
          "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
            }
          },
          "Platform": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
              "smithy.api#documentation": "<p>Platform of the resource.</p>"
            }
          },
          "PlatformVersion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
            }
          },
          "ResourceOwningAccountId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
```

```
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Details about a resource.</p>"
    }
},
"com.amazonaws.licensemanager#ResourceInventoryList": {
    "type": "list",
     "member": {
        "target": "com.amazonaws.licensemanager#ResourceInventory"
    }
},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "ResourceLimitExceeded",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
         }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
```

"type": "enum",
"members": {
"EC2_INSTANCE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_INSTANCE"
}
},
"EC2_HOST": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_HOST"
}
},
"EC2_AMI": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "EC2_AMI"
}
},
"RDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "RDS"
}
},
"SYSTEMS_MANAGER_MANAGED_INSTANCE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
}
}
}
},
"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "

```
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
        }
    },
    "com.amazonaws.licensemanager#ServerInternalException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InternalError",
                "httpResponseCode": 500
            },
            "smithy.api#documentation":
 "<p>The server experienced an internal error. Try again.</p>",
            "smithy.api#error": "server",
            "smithy.api#httpError": 500
        }
    },
    "com.amazonaws.licensemanager#SignedToken": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 4096
            }
        }
    },
    "com.amazonaws.licensemanager#StatusReasonMessage": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 400
            },
            "smithy.api#pattern": "^[\\s\\S]+$"
        }
    },
    "com.amazonaws.licensemanager#String": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#StringList": {
```

"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#String"
}

},
"com.amazonaws.licensemanager#Tag": {
"type": "structure",
"members": {
"Key": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The tag key. "
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The tag value. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the tags for a resource. For more information about tagging support in\n License Manager, see the TagResource operation. "
}
},
"com.amazonaws.licensemanager#TagKeyList":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#String"
}
},
"com.amazonaws.licensemanager#TagList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Tag"
}
},
"com.amazonaws.licensemanager#TagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#TagResourceResponse"

```
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Adds the specified tags to the specified resource. The following
resources support\n tagging in License Manager:</p>\n <ul>\n <li>\n <p>Licenses</p>\n
</li>\n <li>\n <p>Grants</p>\n </li>\n <li>\n <p>License
configurations</p>\n </li>\n <li>\n <p>Report generators</p>\n </li>\n </ul>"
        }
      },
      "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
          "ResourceArn":
{
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource. The following
examples provide an example\n ARN for each supported resource in License Manager:</p>\n <ul>\n
<li>\n <p>Licenses -\n <code>arn:aws:license-manager::111122223333:license:l-
EXAMPLE2da7646d6861033667f20e895</code>\n </p>\n </li>\n <li>\n <p>Grants
-\n <code>arn:aws:license-manager::111122223333:grant:g-
EXAMPLE7b19f4a0ab73679b0beb52707</code>\n </p>\n </li>\n <li>\n
<p>License configurations -\n <code>arn:aws:license-manager:us-east-1:111122223333:license-
configuration:lic-EXAMPLE6a788d4c8acd4264ff0ecf2ed2d</code>\n </p>\n </li>\n <li>\n

<p>Report generators -\n <code>arn:aws:license-manager:us-east-1:111122223333:report-
generator:r-EXAMPLE825b4a4f8fe5a3e0c88824e5fc6</code>\n </p>\n </li>\n </ul>",
              "smithy.api#required": {}
            }
          },
          "Tags": {
            "target": "com.amazonaws.licensemanager#TagList",
```

```
                "traits": {
                    "smithy.api#documentation": "<p>One or more tags.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
         "members": {
            "TokenId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token ID.</p>"
                }
            },
            "TokenType": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
                }
            },
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "ExpirationTime": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits":
 {
                    "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC format.</p>"
                }
            },
            "TokenProperties": {
                "target": "com.amazonaws.licensemanager#MaxSize3StringList",
```

"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#TokenData"
}
},
"com.amazonaws.licensemanager#TokenString": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 4096
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#TokenType": {
"type": "enum",
"members": {
"REFRESH_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REFRESH_TOKEN"
}

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        }
      }
    },
    "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException": {
      "type": "structure",
      "members": {
        "Message": {
          "target": "com.amazonaws.licensemanager#Message"
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>The digital signature method is unsupported. Try your request
again.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
      }
    },
    "com.amazonaws.licensemanager#UntagResource": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#UntagResourceRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#UntagResourceResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
      ],
      "traits": {
        "smithy.api#documentation": "<p>Removes the specified tags from the specified resource.</p>"
      }
    },
    "com.amazonaws.licensemanager#UntagResourceRequest": {
      "type": "structure",
```

```
        "members": {
          "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation":
"<p>Amazon Resource Name (ARN) of the resource.</p>",
              "smithy.api#required": {}
            }
          },
          "TagKeys": {
            "target": "com.amazonaws.licensemanager#TagKeyList",
            "traits": {
              "smithy.api#documentation": "<p>Keys identifying the tags to remove.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#UntagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
         },
        "output": {
          "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#ConflictException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseConfigurationStatus": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
                "traits": {
                    "smithy.api#documentation": "<p>New status of the license configuration.</p>"

        }
            },
            "LicenseRules": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>New license rule. The only rule that you can add after you create a
license\n        configuration is licenseAffinityToHost.</p>"
                }
            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>New number of licenses managed by the license
configuration.</p>"
                }
            },
            "LicenseCountHardLimit": {
```

"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},

"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {

"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
},

"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"

},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates a report generator. \n
After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated. "
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator to update. ",
"smithy.api#required": {}
}
},
"ReportGeneratorName": {

"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}

},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports to generate. The following report types are supported: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " The report context. ",
"smithy.api#required":
{}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report
generator. "
}
}

```
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse": {
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
         },
        {
            "target": "com.amazonaws.licensemanager#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
        },
        {
            "target": "com.amazonaws.licensemanager#LicenseUsageException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified
```

Amazon Web Services resource. \n You
can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license
specifications for launch templates and CloudFormation templates, \n as they send license configurations to the
operation that creates the resource. "
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon Web Services
resource. ",
"smithy.api#required": {}
}
},
"AddLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation":
" ARNs of the license configurations to add. "
}
},
"RemoveLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to remove. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
},
"output":

{
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Updates License Manager settings for the current Region. "
}
},
"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {

"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon S3 bucket where the License Manager information is stored. "
}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Enables integration with Organizations for cross-account discovery. "

```
                }
            },
            "EnableCrossAccountsDiscovery": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UsageOperation": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            }
        }
    },
    "com.amazonaws.licensemanager#ValidationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    }
  }
}
```


CheckInLicense

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
SetCredentialSourceMiddleware
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
spanRetryLoop
Retry
RetryMetricsHeader
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckoutBorrowLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart

```
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  SetCredentialSourceMiddleware
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  spanRetryLoop
  Retry
  RetryMetricsHeader
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
```

```
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
```

```
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err
!= nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
```

```
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options);
 err != nil {
  return err
 }
 if err = addCredentialSource(stack, options); err != nil {
  return err
 }
 if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return
```

```
 nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string
```

```
// Unique, case-sensitive identifier that you provide to ensure the idempotency of
// the request.
//
//
This member is required.
ClientToken *string

// Configuration for consumption of the license. Choose a provisional
// configuration for workloads running with continuous connectivity. Choose a
// borrow configuration for workloads with offline usage.
//
// This member is required.
ConsumptionConfiguration *types.ConsumptionConfiguration

// License entitlements.
//
// This member is required.
Entitlements []types.Entitlement

// Home Region for the license.
//
// This member is required.
HomeRegion *string

// License issuer.
//
// This member is required.
Issuer *types.Issuer

// License name.
//
// This member is required.
LicenseName *string

// Product name.
//
// This member is required.
ProductName *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// Date and time range during which the license is valid, in ISO8601-UTC format.
//
// This member is required.
Validity *types.DatetimeRange
```

```
 // Information about
 the license.
 LicenseMetadata []types.Metadata

 // Tags to add to the license. For more information about tagging support in
 // License Manager, see the [TagResource]operation.
 //
 // [TagResource]: https://docs.aws.amazon.com/license-manager/latest/APIReference/API_TagResource.html
 Tags []types.Tag

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }
```

```
if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err
= addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
```

```
 }
 if err = addCredentialSource(stack, options); err != nil {
  return err
 }
 if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return
 err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CreateLicense",
 }
```

}
AWS SDK for Go
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AssociateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
SetCredentialSourceMiddleware
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
spanRetryLoop
Retry
RetryMetricsHeader
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

```
package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
```

```
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata
```

```
 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
```

```
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addCredentialSource(stack, options); err != nil {
 return err
}
if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options);
err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
```

```
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
```


```
{
  "smithy": "2.0",
  "shapes": {
      "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
          "type": "integer"
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
          "type": "long"
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
          "type": "operation",
          "input": {
              "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
          },
          "output": {
              "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
          },
          "errors": [
              {
                  "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
              },
              {
                  "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
              },
```

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions \n\t\t\tregistered to your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/DeregisterSubscriptionProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the subscription provider resource to deregister. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of name to filter by. "

```
                }
            },
            "Values": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
                }
            },
            "Operator": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
                "traits": {
                    "smithy.api#documentation": "<p>An operator for filtering results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe
operation.\n      Filters can be used to match a set of resources by specific criteria.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
        "type":
 "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
        },
        "output": {
            "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
             },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
```

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Get details for a Bring Your Own License (BYOL) subscription that's
registered to your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/GetRegisteredSubscriptionProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation":
 "<p>The Amazon Resource Name (ARN) of the BYOL registration resource to get details for.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) for the BYOL registration
resource specified in the request.</p>"
                }
            },
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

         "traits": {
                    "smithy.api#documentation": "<p>The subscription provider for the BYOL registration resource
specified \n\t\t\tin the request.</p>"
                }
            },
            "SecretArn": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " The status of the Linux subscription provider access token from the last \n\t\t\tsuccessful subscription data request. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The detailed message from your subscription provider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time License Manager retrieved subscription details \n\t\t\tfrom your registered third-party Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},

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            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the Linux subscriptions service settings for your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/GetServiceSettings"

            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
        "type": "structure",
        "members": {}
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
                    "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
                }
            },
            "LinuxSubscriptionsDiscoverySettings": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
                "traits": {
                    "smithy.api#documentation": "<p>Lists
 the settings defined for Linux subscriptions discovery. The settings include if\n      Organizations integration has
been enabled, and which Regions data will be aggregated from.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
                "traits": {
                    "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
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```
            }
        },
        "HomeRegions": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
            "traits": {
                "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
            }
        }
    }
  },
  "com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
    "type": "structure",
    "members": {
        "AmiId": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
            }
        },
        "InstanceID": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
            }
        },
        "InstanceType": {
            "target": "smithy.api#String",
            "traits":
 {
                "smithy.api#documentation": "<p>The instance type of the resource.</p>"
            }
        },
        "AccountID": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The account ID which owns the instance.</p>"
            }
        },
        "Status": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The status of the instance.</p>"
            }
        },
        "Region": {
            "target": "smithy.api#String",
            "traits": {
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"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},
"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the license subscription that the instance uses. "
}
},
"OsVersion": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The operating system software version that runs on your instance. "
}
},
"SubscriptionProviderCreateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp when you registered
the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses. "
}
},

"SubscriptionProviderUpdateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that the instance synced with the registered \n\t\t\tthird-party Linux subscription provider. "
}
},
"DualSubscription": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Indicates that you have two different license subscriptions for \n\t\t\tthe same software on your instance. "
}
},
"RegisteredWithSubscriptionProvider": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " Indicates that your instance uses a BYOL license subscription from \n\t\t\ta third-party Linux subscription provider that you've registered with License Manager. "
}
}
},
"traits": {
"smithy.api#documentation": " Details discovered information about a running instance using Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation":
" An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {

"type": "service",
"version": "2018-05-10",
"operations": [
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
},
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"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
}
],
"traits": {
"aws.api#service": {
"sdkId": "License Manager Linux Subscriptions",
"arnNamespace": "license-manager-linux-subscriptions",
"cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
},
"aws.auth#sigv4": {
"name": "license-manager-linux-subscriptions"
},
"aws.protocols#restJson1": {},
"smithy.api#cors": {

"additionalAllowedHeaders": [
"*",
"content-type",
"x-amz-content-sha256",
"x-amz-user-agent",
"x-amzn-platform-id",
"x-amzn-trace-id"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager,
you can discover and track your commercial Linux subscriptions on running\n Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
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                    "ref": "Endpoint"
                  }
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              }
            ],
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                "conditions": [
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                    "fn": "booleanEquals",
                    "argv": [
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                        "ref": "UseFIPS"
                      },
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                "type": "error"
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                        "argv": [
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                            "ref": "UseDualStack"
                          },
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                        ]

}
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                    "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                    "type": "error"
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                }
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            "type": "tree"

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        ],
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                        "argv": [
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                                "ref": "Region"
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                                    }
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                                "assign": "PartitionResult"
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                        "rules": [
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                          "argv": [
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                            },
                            true
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                        {
                          "fn": "booleanEquals",
                          "argv": [
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                              "ref": "UseDualStack"
                            },
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                          ]
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                                  "argv": [
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                                      "ref": "PartitionResult"

},
                                    "supportsFIPS"
                                  ]
                                }
                              ]
                            },
                            {
                              "fn": "booleanEquals",
                              "argv": [
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                                {
                                  "fn": "getAttr",
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"argv": [

{
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},
"supportsDualStack"
]
}
]
}
],
"rules": [
{
"conditions": [],

"rules": [
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"properties": {},
"headers": {}
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"type": "endpoint"
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"conditions": [],
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"type": "error"
}
],
"type": "tree"
},
{

"conditions": [
{
"fn": "booleanEquals",
"argv": [

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                    true
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        ],
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"fn": "booleanEquals",
                        "argv": [
                            {
                                "fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsFIPS"
                                ]
                            },
                            true

                        ]
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                ],
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                        "rules": [
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                                "conditions": [],
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fips.{Region}.{PartitionResult#dnsSuffix}",

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                                "type": "endpoint"
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                        "type": "tree"
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                "type": "tree"
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                    },
                    {
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                        "error": "FIPS is enabled
but this partition does not support FIPS",
                        "type": "error"
                    }
                ],
                "type": "tree"
            },
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            {
                                "ref": "UseDualStack"
                            },
                            true

        ]
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                                "fn": "booleanEquals",
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                                    true,
                                    {
                                        "fn": "getAttr",
                                        "argv": [
                                            {

                                            "ref": "PartitionResult"
                                            },
                                            "supportsDualStack"
                                        ]
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                            }
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                                "conditions": [],
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```

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{
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subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
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                                "type": "error"
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                        ],
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                    },
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                                "conditions": [],
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                                    "headers": {}
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                            }
                        ],
                        "type": "tree"
                    }
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                "type": "tree"
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        ],
        "type": "tree"
    },
    {
```

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                "type": "error"
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        ],
        "type": "tree"
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  ]
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"smithy.rules#endpointTests": {
  "testCases": [
    {
        "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"

  }
        },
        "params": {
            "Region": "us-east-1",
            "UseFIPS": true,
            "UseDualStack": true
        }
    },
    {
        "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "us-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
    },
    {

   "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
        "expect": {
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                "url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
            }
        },
        "params": {
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"UseFIPS": false,
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}
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"expect": {
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}

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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{

"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
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}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",

"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{

"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
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"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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}

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}
},
"params": {
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"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
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}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
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{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {

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"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"

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            }
        },
        "params": {
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            "UseFIPS": true,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
enabled",
        "expect": {
            "error": "DualStack is enabled but this partition does not support DualStack"
        },
        "params": {
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            "UseFIPS": false,
            "UseDualStack": true
        }
    },
    {
        "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
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            }
        },
        "params": {
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            "UseDualStack": false
        }
    },
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        "expect": {
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        "params": {
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            "UseFIPS": true,
            "UseDualStack": true
        }
    },
    {
        "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
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},
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"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
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"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"

```
            }
        },
        {
            "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
            "expect": {
                "endpoint": {
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                }
            },
            "params": {
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                "UseDualStack": false,
                "Endpoint": "https://example.com"
            }
        },
        {

            "documentation": "For custom endpoint with fips enabled and dualstack disabled",
            "expect": {
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            },
            "params": {
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                "UseFIPS": true,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
            }
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            "expect": {
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            "params": {

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                "UseDualStack": true,
                "Endpoint": "https://example.com"
            }
        },
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            "documentation": "Missing region",
            "expect": {
                "error": "Invalid Configuration: Missing Region"
            }
        }
```

```
            ],
            "version": "1.0"
        }
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
    "type": "string",
    "traits": {
        "smithy.api#enum": [
            {
                "name": "Enabled",
                "value": "Enabled",
                "documentation": "Enabled LinuxSubscriptionsDiscovery"

 },
            {
                "name": "Disabled",
                "value": "Disabled",
                "documentation": "Disabled LinuxSubscriptionsDiscovery"
            }
        ]
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
    "type": "structure",
    "members": {
        "SourceRegions": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
            "traits": {
                "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
                "smithy.api#required": {}
            }
        },
        "OrganizationIntegration": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
            "traits": {
                "smithy.api#documentation":
 "<p>Details if you have enabled resource discovery across your accounts in Organizations.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
```

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptionInstances"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Instances"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results by your specified criteria. \n \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the \n \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n \t<code>Value</code>, such as <code>us-west</code>. \n For each filter, you can specify one of the following values for the <code>Name</code> key \n \tto streamline results: \n \n \n

```
<p>\n <code>AccountID</code>\n </p>\n </li>\n <li>\n <p>\n
<code>AmiID</code>\n </p>\n </li>\n <li>\n <p>\n
<code>DualSubscription</code>\n </p>\n </li>\n <li>\n <p>\n
<code>InstanceID</code>\n </p>\n </li>\n <li>\n <p>\n
<code>InstanceType</code>\n </p>\n </li>\n <li>\n <p>\n
<code>ProductCode</code>\n </p>\n </li>\n <li>\n <p>\n
<code>Region</code>\n </p>\n </li>\n <li>\n <p>\n
<code>Status</code>\n </p>\n </li>\n <li>\n <p>\n
<code>UsageOperation</code>\n </p>\n </li>\n </ul>\n <p>For each filter, you can use
one of the following <code>Operator</code>
values to \n \t\tdefine the behavior of the filter:</p>\n <ul>\n <li>\n <p>\n
<code>contains</code>\n </p>\n </li>\n <li>\n <p>\n
<code>equals</code>\n </p>\n </li>\n <li>\n <p>\n
<code>Notequal</code>\n </p>\n </li>\n </ul>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>A token to specify where to
start paginating. This \n\tis the nextToken from a previously truncated response.</p>",
                "smithy.api#length": {
                    "min": 1,
                    "max": 16384
                }
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
    "type": "structure",
    "members": {
        "Instances": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
            "traits": {
                "smithy.api#documentation": "<p>An array that contains instance objects.</p>"
            }
        },
```

"NextToken": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptions"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",

"items": "Subscriptions"
}
}

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    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n      more sets of key-value pairs that you specify. For example, you can filter by the name of\n
 <code>Subscription</code> with an optional operator to see subscriptions that match,\n      partially match, or don't
match a certain subscription's name.</p>\n         <p>The valid names for this filter are:</p>\n         <ul>\n
<li>\n              <p>\n                  <code>Subscription</code>\n              </p>\n           </li>\n         </ul>\n
<p>The
 valid Operators for this filter are:</p>\n         <ul>\n           <li>\n              <p>\n
<code>contains</code>\n              </p>\n           </li>\n           <li>\n              <p>\n
<code>equals</code>\n              </p>\n           </li>\n           <li>\n              <p>\n
<code>Notequal</code>\n              </p>\n           </li>\n         </ul>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis
 the nextToken from a previously truncated response.</p>",
                    "smithy.api#length": {
                        "min": 1,
                        "max": 16384
                    }
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
        "type": "structure",
        "members": {
            "Subscriptions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
                "traits": {
```

"smithy.api#documentation": " An array that contains subscription objects. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List Bring Your Own License (BYOL) subscription registration resources for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListRegisteredSubscriptionProviders"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",

"items": "RegisteredSubscriptionProviders"
}
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
"type": "structure",
"members": {
"SubscriptionProviderSources": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
"traits": {
"smithy.api#documentation": " To filter your results, specify which subscription providers to return \n\t\t\tin the list. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. ",
"smithy.api#range": {
"min": 1,
"max": 100
}
}

},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis the nextToken from a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
"type": "structure",
"members": {
"RegisteredSubscriptionProviders": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
"traits": {
"smithy.api#documentation": " The list of BYOL registration resources that fit the criteria \n\t\t\tyou specified in the request. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List the metadata tags that are assigned to the \n\t\t\tspecified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "GET",
"uri": "/tags/{resourceArn}"
},
"smithy.api#readonly": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"resourceArn": {

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource for which to list metadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
"type": "structure",
"members": {
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags for the requested resource. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "EQUAL",
"value": "Equal",
"documentation": "Equal operator"
},
{
"name": "NOT_EQUAL",
"value": "NotEqual",
"documentation": "Not equal operator"
},
{
"name": "CONTAINS",
"value": "Contains",
"documentation": "Contains operator"
}
],
"smithy.api#length": {

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            "min": 1,
            "max": 20
          }
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
        "type": "string",
        "traits": {
          "smithy.api#enum": [
            {
              "name": "Enabled",
              "value": "Enabled",
              "documentation": "Enabled OrganizationIntegration"
            },
            {
              "name": "Disabled",
              "value": "Disabled",
              "documentation": "Disabled OrganizationIntegration"
            }
          ]
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
        "type": "list",
        "member": {
          "target": "smithy.api#String"
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
         },
        "output": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
          }
        ],
```

"traits": {
"smithy.api#documentation": " Register the supported third-party subscription provider for your Bring Your Own License (BYOL) subscription. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/RegisterSubscriptionProvider"

},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " The supported Linux subscription provider to register. ",
"smithy.api#required": {}
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the secret where you've stored your subscription provider's access token. For \n\t\t\tRHEL subscriptions managed through the Red Hat Subscription Manager (RHSM), the secret contains \n\t\t\tyour Red Hat Offline token. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags to assign to your registered Linux subscription provider \n\t\t\tresource. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

"traits": {
"smithy.api#documentation":
" The Linux subscription provider that you registered. "
}
},
"SubscriptionProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " Indicates the status of the registration action for the Linux subscription provider \n\t\t\tthat you requested. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider":
{
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "
}
},
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " A supported third-party Linux subscription provider. License Manager currently supports \n\t\t\tRed Hat subscriptions. "
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Secrets Manager secret that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is the offline token. "

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            }
        },
        "SubscriptionProviderStatus": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
            "traits": {
                "smithy.api#documentation": "<p>Indicates the status of your registered Linux subscription provider
access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions,
\n\t\t\tthis is the status of the offline token.</p>"
            }
        },
        "SubscriptionProviderStatusMessage": {
            "target": "smithy.api#String",
            "traits":
 {
                "smithy.api#documentation": "<p>A detailed message that's associated with your BYOL subscription
\n\t\t\tprovider token status.</p>"
            }
        },
        "LastSuccessfulDataRetrievalTime": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The timestamp from the last time that License Manager accessed
third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>A third-party provider for operating system (OS) platform software and
license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider,
License Manager can get subscription data from the registered provider.</p>"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
 {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "message": {
            "target": "smithy.api#String"
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Unable to find the requested Amazon Web Services resource.</p>",
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            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-
\\.]{0,63}:secret:[^/]{1,1023}$"

    }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "InProgress",
                    "value": "InProgress",
                    "documentation": "InProgress status"
                },
                {
                    "name": "Completed",
                    "value": "Completed",
                    "documentation": "Completed status"
                },
                {
                    "name": "Successful",
                    "value": "Successful",
                    "documentation": "Successful status"
                },
                {
                    "name": "Failed",
                    "value": "Failed",
                    "documentation": "Failed status"
                }
            ]
        }
    },

    "com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
        "type": "list",
        "member": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#length": {
                    "min": 1,
                    "max": 100
                }
```

```
            }
        },
        "traits": {
            "smithy.api#length": {
                "min": 1,
                "max": 100
            },
            "smithy.api#uniqueItems": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
        "value": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
        "type": "structure",
        "members": {
            "Name":
{
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the subscription.</p>"
                }
            },
            "Type": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included
with Amazon EC2, Bring Your Own\n      Subscription model (BYOS), or from the Amazon Web Services
Marketplace. Certain subscriptions may use licensing from the\n      Amazon Web Services Marketplace as well as
OS licensing from Amazon EC2 or BYOS.</p>"
                }
            },
            "InstanceCount": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>The total amount of running instances using this
subscription.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>An object which details a discovered Linux subscription.</p>"
```

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-
9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [

 {
                "name": "RedHat",
                "value": "RedHat",
                "documentation": "RedHat subscription provider namespace"
            }
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "ACTIVE",
                    "value": "ACTIVE",
                    "documentation": "ACTIVE status"
                },
                {
                    "name": "INVALID",
                    "value": "INVALID",
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"documentation": "INVALID status"
},
{
"name": "PENDING",
"value": "PENDING",
"documentation": "PENDING status"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
"type": "list",
"member": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Add metadata tags to the specified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "PUT",
"uri": "/tags/{resourceArn}"

```
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
        "type": "structure",
        "members":
 {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to which to add the specified \n\t\t\tmetadata tags.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags to assign to the Amazon Web Services resource.
Tags are \n\t\t\tformatted as key value pairs.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }

    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
        "value": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {
```

```
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation":
 "<p>The request was denied due to request throttling.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web
Services resource.</p>",
             "smithy.api#http": {
                "method": "DELETE",
                "uri": "/tags/{resourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
        "type": "structure",
        "members": {
```

"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to remove the metadata tags from. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
},
"tagKeys": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
"traits": {

"smithy.api#documentation": " A list of metadata tag keys to remove from the requested \n\t\t\tresource. ",
"smithy.api#httpQuery": "tagKeys",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"

},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates the service settings for Linux subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/UpdateServiceSettings"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Describes if the discovery of Linux subscriptions is enabled. ",
"smithy.api#required": {}
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. ",
"smithy.api#required": {}
}
},
"AllowUpdate": {
"target": "smithy.api#Boolean",
"traits": {
"smithy.api#documentation": " Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",

"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}

},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The provided input is not valid. Try your request again. ",
"smithy.api#error": "client"
}
}

```
   }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType
```

```
 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
```

```
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack,
c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
```

```
 if err = addCredentialSource(stack, options); err != nil {
  return err
 }
 if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack);
 err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
```

```
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string
```

```
 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string
```

```
 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
```

```
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack,
 c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addCredentialSource(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
```

```
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack);
err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
CreateLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  SetCredentialSourceMiddleware
  UserAgent
  AddTimeOffsetMiddleware
```

RecursionDetection
spanBuildRequestEnd
Finalize stack step
spanRetryLoop
Retry
RetryMetricsHeader
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
GetLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
SetCredentialSourceMiddleware
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
spanRetryLoop
Retry
RetryMetricsHeader

ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger

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{
"smithy": "2.0",
"shapes": {

"com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " You don't have sufficient access to perform this action. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
"type": "structure",
"members": {
"DirectoryId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Directory",
"traits": {
"smithy.api#documentation": " The directory ID for an Active Directory identity provider. "
}
},
"ActiveDirectorySettings":
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings",
"traits": {
"smithy.api#documentation": " The <code>ActiveDirectorySettings</code> resource contains details about \n\t\t\tthe Active Directory, including network access details such as domain name and IP \n\t\t\taddresses, and the credential provider for user administration. "
}
},
"ActiveDirectoryType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType",
"traits": {
"smithy.api#documentation": " The type of Active Directory either a self-managed Active Directory or an \n\t\t\tAmazon Web Services Managed Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about an Active Directory identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings": {
"type": "structure",
"members": {
"DomainName": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The domain name for the Active Directory. "
}
},
"DomainIpv4List": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IpV4List",
"traits": {
"smithy.api#documentation": " A list of domain IPv4 addresses that are used for the Active Directory. ",
"smithy.api#length": {
"min": 1,
"max": 2
}
}
},
"DomainCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
"traits": {
"smithy.api#documentation": " Points to the <code>CredentialsProvider</code> resource that contains \n\t\t\tinformation about the credential provider for user administration. "
}
},
"DomainNetworkSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings",
"traits": {
"smithy.api#documentation": " The <code>DomainNetworkSettings</code> resource contains an array of \n\t\t\tsubnets that apply for the Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains network access and credential details that are needed for \n\t\t\tuser administration in the Active Directory. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "SELF_MANAGED",
"value": "SELF_MANAGED",
"documentation": "SELF_MANAGED type of Active Directory"
},
{
"name": "AWS_MANAGED",

"value": "AWS_MANAGED",
"documentation": "AWS_MANAGED type of Active Directory"
}
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#Arn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-zA-Z0-9-\\.]{1,510}/[a-zA-Z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUser":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Associates the user to an EC2 instance to utilize user-based subscriptions. \n <note>\n Your estimated bill for charges on the number of users and related

costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your\n\t\t\t\tmonthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http":
{
"code": 200,
"method": "POST",
"uri": "/user/AssociateUser"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance that provides the user-based subscription. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The identity provider for the user. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains information for the user to associate. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {

"smithy.api#documentation": " The tags that apply for the user association. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request couldn't be completed because it conflicted with the current state of the\n\t\t\tresource. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},

{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a network endpoint for the Remote Desktop Services (RDS) license server. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/CreateLicenseServerEndpoint"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest": {
"type": "structure",
"members": {
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the <code>IdentityProvider</code> resource that contains details \n\t\t\tabout a registered identity provider. In the case of Active Directory, that can be \n\t\t\ta self-managed Active Directory or an Amazon Web Services Managed Active Directory that contains user identity details. ",
"smithy.api#required": {}
}
},

"LicenseServerSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings",
"traits": {
"smithy.api#documentation": " The <code>LicenseServerSettings</code> resource to create for the endpoint. The \n\t\t\tsettings include the type of license server and the Secrets Manager secret that \n\t\t\tenables administrators to add or remove users associated with the \n\t\t\tlicense server. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply for the license server endpoint. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse": {
"type": "structure",
"members": {
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider specified in the request. "
}
},
"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The ARN of the <code>LicenseServerEndpoint</code> resource. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider": {
"type": "union",
"members": {
"SecretsManagerCredentialsProvider":

{
"target": "com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider",
"traits": {
"smithy.api#documentation": " Identifies the Secrets Manager secret that contains credentials needed for \n\t\t\tuser administration in the Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains information about the credential provider for user \n\t\t\tadministration. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

}
],
"traits": {
"smithy.api#documentation": " Deletes a <code>LicenseServerEndpoint</code> resource. ",
"smithy.api#http": {

"code": 200,
"method": "POST",
"uri": "/license-server/DeleteLicenseServerEndpoint"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest": {
"type": "structure",
"members": {
"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the
<code>LicenseServerEndpoint</code> \n\t\t\tresource to delete. ",
"smithy.api#required": {}
}
},
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of License Server that the delete request refers to. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse": {
"type": "structure",
"members": {
"LicenseServerEndpoint": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint",
"traits": {
"smithy.api#documentation": " Shows details from the <code>LicenseServerEndpoint</code>
resource that was deleted. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deregisters the Active Directory identity provider from License Manager user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/DeregisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the Active Directory identity provider. "

```
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code> |
\n<code>REMOTE_DESKTOP_SERVICES</code>\n        </p>"
                }
            },
            "IdentityProviderArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                 "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the identity
provider to deregister.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
        "type": "structure",
        "members": {
            "IdentityProviderSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#output": {}

    }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Directory": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^(d|sd)-[0-9a-f]{10}$"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
        "type": "operation",
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"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Disassociates the user from an EC2 instance providing user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/DisassociateUser"
},
"smithy.api#idempotent": {}

}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the Active Directory identity provider for the

user. "
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance which provides user-based subscriptions. "
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the Active Directory identity provider. "
}
},
"InstanceUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the user to disassociate from the EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains information for the user to disassociate. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
},

"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings": {
"type": "structure",
"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " Contains a list of subnets that apply for the Active Directory domain. ",
"smithy.api#length": {
"min": 1
},

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Contains network settings for the Active Directory domain. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#Filter": {
"type": "structure",
"members": {
"Attribute": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of an attribute to use as a filter. "
}
},
"Operation": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of search (For example, eq, geq, leq) "
}
},
"Value": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " Value of the filter. "
}
}
},
"traits": {

"smithy.api#documentation": " A filter name and value pair that is used to return more specific results from a describe\n\t\t\tor list operation. You can use filters can be used to match a set of resources by specific \n\t\t\tcriteria, such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
"type": "union",
"members": {
"ActiveDirectoryIdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
"traits": {
"smithy.api#documentation": " The <code>ActiveDirectoryIdentityProvider</code> resource contains settings \n\t\t\tand other details about a specific Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation": " Refers to an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The <code>IdentityProvider</code> resource contains information about \n\t\t\tan identity provider. ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " The <code>Settings</code> resource contains details about the registered \n\t\t\tidentity providers product related configuration settings, such as the \n\t\t\tsubnets to provision VPC endpoints. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the
identity provider. ",
"smithy.api#required": {}
}
},
"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider. "
}
},
"FailureMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The failure message associated with an identity provider. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
"type": "list",
"member": {

"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based
subscriptions. ",
"smithy.api#required": {}
}
},

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            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status of an EC2 instance resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "Products": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
                 "traits": {
                    "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
                    "smithy.api#required": {}
                }
            },
            "LastStatusCheckDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The date of the last status check.</p>"
                }
            },
            "StatusMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
                    "smithy.api#required": {}
                }
            },
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"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance that provides user-based subscriptions. ",
"smithy.api#required": {}
}
},

"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The <code>IdentityProvider</code> resource specifies details \n\t\t\tabout the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a user associated with an EC2 instance. ",
"smithy.api#required": {}
}
},
"InstanceUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the instance user. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for users of an EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains the user information for the product subscription. "
}
},
"AssociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was associated with an EC2 instance. "

```
            }
        },
        "DisassociationDate": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The date a user was disassociated from an EC2 instance.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes users of an EC2 instance providing user-based
subscriptions.</p>"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
    "type": "structure",
    "members": {
        "message": {
            "target": "smithy.api#String"
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
        "smithy.api#error": "server",
        "smithy.api#httpError": 500
    }
},
"com.amazonaws.licensemanagerusersubscriptions#IpV4": {
    "type": "string",
    "traits": {
        "smithy.api#pattern": "^(?:(25[0-5]|2[0-4][0-9]|1[0-9][0-9]|[1-9][0-9]|[0-9])(\\.(?!$)|$)){4}$"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#IpV4List": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#IpV4"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
    "type": "service",
    "version": "2018-05-10",
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"operations": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#TagResource"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#UntagResource"

```
            },
            {

    "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
            }
        ],
        "traits": {
            "aws.api#service": {
                "sdkId": "License Manager User Subscriptions",
                "arnNamespace": "license-manager-user-subscriptions",
                "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
            },
            "aws.auth#sigv4": {
                "name": "license-manager-user-subscriptions"
            },
            "aws.protocols#restJson1": {},
            "smithy.api#cors": {
                "additionalAllowedHeaders": [
                    "*",
                    "content-type",
                    "x-amz-content-sha256",
                    "x-amz-user-agent",
                    "x-amzn-platform-id",
                    "x-amzn-trace-id",
                    "content-length",

          "x-api-key",
                    "authorization",
                    "x-amz-date",
                    "x-amz-security-token",
                    "Access-Control-Allow-Headers",
                    "Access-Control-Allow-Methods",
                    "Access-Control-Allow-Origin"
                ],
                "additionalExposedHeaders": [
                    "x-amzn-errortype",
                    "x-amzn-requestid",
                    "x-amzn-trace-id"
                ]
            },
            "smithy.api#documentation": "<p>With License Manager, you can create user-based subscriptions to
utilize licensed software with\n\t\ta per user subscription fee on Amazon EC2 instances.</p>",
            "smithy.api#title": "AWS License Manager User Subscriptions",
            "smithy.rules#endpointRuleSet": {
                "version": "1.0",
                "parameters": {
                    "Region":
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{
                "builtIn": "AWS::Region",
                "required": false,
                "documentation": "The AWS region used to dispatch the request.",
                "type": "String"
            },
            "UseDualStack": {
                "builtIn": "AWS::UseDualStack",
                "required": true,
                "default": false,
                "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
                "type": "Boolean"
            },
            "UseFIPS": {
                "builtIn": "AWS::UseFIPS",
                "required": true,
                "default": false,
                "documentation": "When true, send this request to the FIPS-compliant
 regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will
return an error.",
                "type": "Boolean"
            },
            "Endpoint": {
                "builtIn": "SDK::Endpoint",
                "required": false,
                "documentation": "Override the endpoint used to send this request",
                "type": "String"
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        "rules": [
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                        "fn": "isSet",
                        "argv": [
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                                "ref": "Endpoint"
                            }
                        ]
                    }
                ],
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                    {
                        "conditions": [
                            {
                                "fn": "booleanEquals",
                                "argv": [
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        "type": "error"
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                "argv": [
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                    },
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        "type": "error"
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                "ref": "Endpoint"
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        "argv": [
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                        "argv": [
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                            }
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                        "assign": "PartitionResult"
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                "rules": [
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                                "fn": "booleanEquals",
                                "argv": [
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                                        "ref": "UseFIPS"
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true
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                                "fn": "booleanEquals",
                                "argv": [
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                                        "ref": "UseDualStack"
                                    },
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                        "argv": [
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                                "ref": "PartitionResult"
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                            "supportsFIPS"
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                ]
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                "argv": [
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                        "argv": [
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                                "ref": "PartitionResult"
                            },
                            "supportsDualStack"
                        ]
                    }

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            }
        ],
        "rules": [
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                "conditions": [],
                "endpoint": {
                    "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                    "properties": {},
                    "headers": {}
                },
                "type": "endpoint"
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        "conditions": [],
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"argv": [

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"argv": [

{
"ref": "PartitionResult"
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"supportsFIPS"
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"headers": {}
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            "type": "error"

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                    "argv": [
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                        "ref": "PartitionResult"
                      },
                      "supportsDualStack"
                    ]

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subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                            "properties": {},
                                            "headers": {}
                                        },
                                        "type": "endpoint"
                                    }

                                ],
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                                        "type": "error"
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subscriptions.{Region}.{PartitionResult#dnsSuffix}",

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                "conditions": [],
                "error": "Invalid Configuration: Missing Region",
                "type": "error"
            }
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    "smithy.rules#endpointTests": {
        "testCases": [
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{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect":
{
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
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"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
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}
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"params": {
"Region": "us-east-1",

"UseFIPS": true,
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}
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
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"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint":
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"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
}

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            },
            "params": {
              "Region": "us-east-1",
              "UseFIPS": false,
              "UseDualStack": false
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            "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
              }
            },
            "params": {
              "Region": "cn-north-1",
              "UseFIPS":
true,
              "UseDualStack": true
            }
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          {
            "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
            "expect": {
              "endpoint": {
                "url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
              }
            },
            "params": {
              "Region": "cn-north-1",
              "UseFIPS": true,
              "UseDualStack": false
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            "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
            "expect": {
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                "url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
              }
            },
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              "Region": "cn-north-1",
              "UseFIPS": false,
              "UseDualStack": true
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                }
              },
              "params": {
                "Region": "cn-north-1",
                "UseFIPS": false,
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              "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
                }
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                }
              },
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                "UseDualStack": false
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                }
              },
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"params": {
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"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
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"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS
and DualStack are enabled, but this partition does not support one or both"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {

"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
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"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
}

},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
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"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack
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"expect": {
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"url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
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"params": {
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"UseDualStack": false
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"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
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"params": {
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"UseFIPS": false,
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"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
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"url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
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"expect": {

"endpoint": {
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
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"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
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"url": "https://example.com"
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"params": {

"UseFIPS": false,
"UseDualStack":
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"Endpoint": "https://example.com"
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"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
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"params": {
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"Endpoint": "https://example.com"
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"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration:
Dualstack and custom endpoint are not supported"
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
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"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServer": {
"type": "structure",
"members": {
"ProvisioningStatus": {
"target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",

"traits": {
"smithy.api#documentation": " The current state of the provisioning process for the RDS \n\t\t\tlicense server. "
}
},
"HealthStatus": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus",
"traits": {
"smithy.api#documentation": " The health status of the RDS license server. "
}
},
"Ipv4Address": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A list of domain IPv4 addresses that are used for the RDS \n\t\t\tlicense server. "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a Remote Desktop Services (RDS) license server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint": {
"type": "structure",
"members": {
"IdentityProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider that's associated with \n\t\t\tthe RDS license server endpoint. "
}
},
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of license server. "
}
},
"ServerEndpoint": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint",

"traits": {
"smithy.api#documentation": " The <code>ServerEndpoint</code> resource contains the network \n\t\t\taddress of the RDS license server endpoint. "
}
},

"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The message associated with the provisioning status, if there is one. "
}
},
"LicenseServerEndpointId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId",
"traits": {
"smithy.api#documentation": " The ID of the license server endpoint. "
}
},
"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits":
{
"smithy.api#documentation": " The ARN of the <code>ServerEndpoint</code> resource for the RDS \n\t\t\tlicense server. "
}
},
"LicenseServerEndpointProvisioningStatus": {
"target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
"traits": {
"smithy.api#documentation": " The current state of the provisioning process for the RDS license \n\t\t\tserver endpoint "
}
},
"LicenseServers": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerList",
"traits": {
"smithy.api#documentation": " An array of <code>LicenseServer</code> resources that represent the \n\t\t\tlicense servers that are accessed through this endpoint. "
}
},

"CreationTime": {
"target": "smithy.api#Timestamp",
"traits": {
"smithy.api#documentation": " The timestamp when License Manager created the license server endpoint. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains details about a network endpoint for a Remote Desktop Services (RDS) \n\t\t\tlicense server. "

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        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId": {
        "type": "string"
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus": {

"type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "PROVISIONING",
                    "value": "PROVISIONING",
                    "documentation": ""
                },
                {
                    "name": "PROVISIONING_FAILED",
                    "value": "PROVISIONING_FAILED",
                    "documentation": ""
                },
                {
                    "name": "PROVISIONED",
                    "value": "PROVISIONED",
                    "documentation": ""
                },
                {
                    "name": "DELETING",
                    "value": "DELETING",
                    "documentation": ""
                },
                {
                    "name": "DELETION_FAILED",
                    "value": "DELETION_FAILED",
                    "documentation": ""

                },
                {
                    "name": "DELETED",
                    "value": "DELETED",
                    "documentation": ""
                }
            ]
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            }
        },
        "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus": {
            "type": "string",
            "traits": {
                "smithy.api#enum": [
                    {
                        "name": "HEALTHY",
                        "value": "HEALTHY",
                        "documentation": ""
                    },
                    {
                        "name": "UNHEALTHY",
                        "value": "UNHEALTHY",
                        "documentation": ""
                    },
                    {
                        "name": "NOT_APPLICABLE",
                        "value": "NOT_APPLICABLE",
                        "documentation": ""
                    }
                ]
            }
        },
        "com.amazonaws.licensemanagerusersubscriptions#LicenseServerList": {
            "type": "list",
            "member": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServer"
            }
        },
        "com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings": {
            "type": "structure",
            "members": {
                "ServerType": {
                    "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
                    "traits": {
                        "smithy.api#documentation": "<p>The type of license server.</p>",
                        "smithy.api#required": {}
                    }
                },
                "ServerSettings": {
                    "target": "com.amazonaws.licensemanagerusersubscriptions#ServerSettings",
                    "traits": {
                        "smithy.api#documentation": "<p>The <code>ServerSettings</code> resource contains the settings
for
 your \n\t\t\tserver.</p>",
                        "smithy.api#required": {}
                    }
```

```
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The settings to configure your license server.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {

            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the Active Directory identity providers for user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/ListIdentityProviders"
             },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
```

"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "IdentityProviderSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Product \n \n \n DirectoryId \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse": {
"type": "structure",
"members": {
"IdentityProviderSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",

"traits": {
"smithy.api#documentation": " An array of <code>IdentityProviderSummary</code> resources that contain \n\t\t\tdetails about the Active Directory identity providers that meet the request criteria. ",
"smithy.api#required": {}
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},

{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the EC2 instances providing user-based subscriptions. ",
"smithy.api#http": {

"code": 200,
"method": "POST",
"uri": "/instance/ListInstances"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
"type": "structure",
"members":
{
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Status \n \n \n InstanceId \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
"type": "structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",

"traits": {
"smithy.api#documentation": " An array of <code>InstanceSummary</code> resources that contain details \n\t\t\tabout the instances that provide user-based subscriptions and also meet the \n\t\t\trequest criteria. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {

"smithy.api#documentation": " List the Remote Desktop Services (RDS) License Server endpoints
",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/ListLicenseServerEndpoints"
},

"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "LicenseServerEndpoints"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single
request. ",
"smithy.api#range": {
"min": 1,
"max": 100
}
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n
\n \n IdentityProviderArn \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}

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    },
    "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse": {
      "type": "structure",
      "members": {
        "LicenseServerEndpoints": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList",
           "traits": {
            "smithy.api#documentation": "<p>An array of <code>LicenseServerEndpoint</code> resources that \n\t\t\tcontain detailed information about the RDS License Servers that meet \n\t\t\tthe request criteria.</p>"
          }
        },
        "NextToken": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
      "type":
 "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
```

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            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity
provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/ListProductSubscriptions"
            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "ProductUserSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest":
 {
        "type": "structure",
        "members": {
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code> |
\n<code>REMOTE_DESKTOP_SERVICES</code>\n        </p>"
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                 "traits": {
                    "smithy.api#documentation": "<p>The maximum number of results to return from a single
```

request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n
\n \n Status \n \n \n Username \n
\n \n Domain \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating.
This is the nextToken \n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
"type": "structure",
"members": {
"ProductUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions
operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service
hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource": {
"type": "operation",

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        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target":
 "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Returns the list of tags for the specified resource.</p>",
            "smithy.api#http": {
                "method": "GET",
                "uri": "/tags/{ResourceArn}"
            },
            "smithy.api#readonly": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource whose tags
you want to retrieve.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}

         }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
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        "Tags": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
            "traits": {
                "smithy.api#documentation": "<p>The tags for the specified resource.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
     },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
         }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/user/ListUserAssociations"
```

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            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "InstanceUserSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which
 provides user-based subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
                "traits": {

    "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n        <ul>\n
    <li>\n            <p>Status</p>\n        </li>\n        <li>\n            <p>Username</p>\n        </li>\n
<li>\n            <p>Domain</p>\n        </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
```

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            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
        "type": "structure",
        "members": {
          "InstanceUserSummaries": {

           "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
            "traits": {
              "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to retrieve additional objects.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
        "type": "structure",
        "members": {
          "Username":
 {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The user name from the identity provider for this product
user.</p>",
              "smithy.api#required": {}
            }
          },
          "Product": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
              "smithy.api#required": {}
            }
```

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        },
        "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
                "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                "smithy.api#required": {}
            }
        },
         "Status": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The status of a product for this user.</p>",
                "smithy.api#required": {}
            }
        },
        "ProductUserArn": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
            "traits": {
                "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) for this product user.</p>"
            }
        },
        "StatusMessage": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The status message for a product for this user.</p>"
            }
        },
        "Domain": {
            "target": "smithy.api#String",
            "traits": {

        "smithy.api#documentation": "<p>The domain name of the  Active Directory that contains the user
information for the product subscription.</p>"
            }
        },
        "SubscriptionStartDate": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The start date of a subscription.</p>"
            }
        },
        "SubscriptionEndDate": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The end date of a subscription.</p>"
            }
        }
    },
```

"traits": {
"smithy.api#documentation": " A summary of the user-based subscription products for a specific user. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
"type":
"list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings": {
"type": "structure",
"members": {
"RdsSalCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
"traits": {
"smithy.api#documentation": " The <code>CredentialsProvider</code> resource contains a reference to \n\t\t\tthe credentials provider that's used for RDS license server user administration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Server settings that are specific to a Remote Desktop Services (RDS) license server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},

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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target":
 "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/RegisterIdentityProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {

    "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider to
register.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code> |
\n<code>REMOTE_DESKTOP_SERVICES</code>\n        </p>",
                    "smithy.api#required": {}
                }
            },
            "Settings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
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"traits":
{
"smithy.api#documentation": " The registered identity providers product related configuration \n\t\t\tsettings such as the subnets to provision VPC endpoints. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply to the identity provider's registration. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation":
" Metadata that describes the results of an identity provider operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,510})/([a-z0-9-\\.]{1,510})$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {

"smithy.api#documentation": " The resource couldn't be found. ",

"smithy.api#error": "client",
"smithy.api#httpError": 404
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider": {
"type": "structure",
"members": {
"SecretId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the Secrets Manager secret that contains credentials. ",
"smithy.api#length": {
"min": 1
}
}
}
},
"traits": {
"smithy.api#documentation": " Contains a credentials secret that's stored in Secrets Manager. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
"type": "string",
"traits": {
"smithy.api#length": {

"min": 5,
"max": 200
},
"smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint": {
"type": "structure",
"members": {
"Endpoint": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The network address of the endpoint. "
}
}
},
"traits": {
"smithy.api#documentation": " A network endpoint through which you can access one or more servers. "

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        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ServerSettings": {
        "type": "union",
        "members": {
            "RdsSalSettings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings",
                 "traits": {
                    "smithy.api#documentation": "<p>The <code>RdsSalSettings</code> resource contains settings to
configure \n\t\t\ta specific Remote Desktop Services (RDS) license server.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Contains settings for a specific server.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ServerType": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "RDS_SAL",
                    "value": "RDS_SAL",
                    "documentation": ""
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
        "type": "structure",
        "members": {
            "message": {

  "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The request failed because a service quota is exceeded.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Settings": {
        "type": "structure",
        "members": {
            "Subnets": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
                "traits": {
```

"smithy.api#documentation": " The subnets defined for the registered identity provider. ",
"smithy.api#length": {
"min": 1
},
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",

"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688 communication between resources in\n\t\t\tyour VPC and the VPC endpoint for activation servers. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings such as the\n\t\t\tsubnets to provision VPC endpoints, and the security group ID that is associated with the VPC\n\t\t\tendpoints. The security group should permit inbound TCP port 1688 communication from resources\n\t\t\tin the VPC. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},

{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"

},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Starts a product subscription for a user with the specified identity provider. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your\n\t\t\t\tmonthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StartProductSubscription"
}

}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code> | \n<code>REMOTE_DESKTOP_SERVICES</code>\n ",

"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains the user for whom to start the product \n\t\t\tsubscription. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply to the product subscription. "
}

}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"

},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
},
"errors": [

```
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"

    },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Stops a product subscription for a user with the specified identity
provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/StopProductSubscription"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>"
                }
            },
            "IdentityProvider": {
                "target":
 "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>"
                }
```

```
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code> |
\n<code>REMOTE_DESKTOP_SERVICES</code>\n        </p>"
                }
            },
            "ProductUserArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the product user.</p>"

                }
            },
            "Domain": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The domain name of the  Active Directory that contains the user
for whom to stop the product \n\t\t\tsubscription.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
        "type": "structure",
        "members": {
            "ProductUserSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
                    "smithy.api#required": {}
                }

  }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StringList": {
        "type": "list",
```

```
        "member": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Subnet": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^subnet-[a-z0-9]{8,17}"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Subnets": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#TagKeyList": {
        "type": "list",
        "member": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {

"min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#TagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
```

```
        ],
        "traits": {
            "smithy.api#documentation":
 "<p>Adds tags to a resource.</p>",
            "smithy.api#http": {
                "method": "PUT",
                "uri": "/tags/{ResourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want
to tag.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation":
 "<p>The tags to apply to the specified resource.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Tags": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
```

"value": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ThrottlingException":
{
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request was denied because of request throttling. Retry the
request. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#UntagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
}
],
"traits": {
"smithy.api#documentation": " Removes tags from a resource. ",
"smithy.api#http": {
"method": "DELETE",
"uri": "/tags/{ResourceArn}"
},

"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource that you want to remove tags from. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}

}
},
"TagKeys": {
"target": "com.amazonaws.licensemanagerusersubscriptions#TagKeyList",
"traits": {
"smithy.api#documentation": " The tag keys to remove from the resource. ",
"smithy.api#httpQuery": "tagKeys",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},

{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates additional product configuration settings for the registered identity\n\t\t\tprovider. ",
"smithy.api#http": {

"code": 200,
"method": "POST",
"uri": "/identity-provider/UpdateIdentityProviderSettings"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider"
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code> | \n<code>REMOTE_DESKTOP_SERVICES</code>\n "
}
},

"IdentityProviderArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider to update. "
}
},
"UpdateSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
"traits": {

"smithy.api#documentation": " Updates the registered identity providers product related configuration settings. You can\n\t\t\tupdate any combination of settings in a single operation such as the: \n \n \n Subnets which you want to add to provision VPC endpoints. \n \n \n Subnets which you want to remove the VPC endpoints from. \n \n \n Security group ID which permits traffic to the VPC endpoints. \n \n ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
"type": "structure",
"members": {
"AddSubnets": {

"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets in which License Manager will create a VPC endpoint for products that\n\t\t\trequire connectivity to activation servers. ",
"smithy.api#required": {}
}
},
"RemoveSubnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets to remove. ",
"smithy.api#required": {}
}
},
"SecurityGroupId": {

"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that
allows inbound TCP port 1688 communication between resources in\n\t\t\tyour VPC and the VPC endpoints for
activation servers. "
}
}
},
"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related configuration
settings such as\n\t\t\tthe subnets to provision VPC endpoints. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " A parameter is not valid. ",
"smithy.api#error": "client"
}
}
}
}

ListReceivedLicenses

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

spanInitializeEnd

Serialize stack step

spanBuildRequestStart

setOperationInput

ResolveEndpoint

OperationSerializer

Build stack step

ClientRequestID

ComputeContentLength

SetCredentialSourceMiddleware

UserAgent

AddTimeOffsetMiddleware

RecursionDetection

spanBuildRequestEnd

Finalize stack step

spanRetryLoop
Retry
RetryMetricsHeader
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger

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```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
```

```
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
```

```
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if
err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if
 err = addCredentialSource(stack, options); err != nil {
  return err
 }
 if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
```

```
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
 }
}
CheckoutLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  SetCredentialSourceMiddleware
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  spanRetryLoop
  Retry
  RetryMetricsHeader
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
```

RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger

1.7723 x-sys 0.26.0

1.7723.1 Available under license :

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1.7724 x-net 0.30.0

1.7724.1 Available under license :

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1.7725 aws-sdk-go-v2-service-ec2 1.192.0

1.7725.1 Available under license :

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }
```

```
 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
   - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
```

```
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
```

```
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err =
addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addCredentialSource(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return
err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
```

```
 return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
DeleteLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  SetCredentialSourceMiddleware
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  spanRetryLoop
  Retry
  RetryMetricsHeader
  ResolveAuthScheme
```

```
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
       uses: actions/checkout@v2
       with:
         path: new-ref
         fetch-depth: 0
     - name: Get Diff
       run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
     - name: Get Target Files
       run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
     - name: Checkout scancode
       uses: actions/checkout@v2
       with:
         repository: nexB/scancode-toolkit
```

```
        path: scancode-toolkit
        fetch-depth: 1
    - name: Set up Python ${{ matrix.python-version }}
      uses: actions/setup-python@v2
      with:
        python-version: ${{ matrix.python-version }}
    # ScanCode
    - name: Self-configure scancode
      working-directory: ./scancode-toolkit
      run: ./scancode --help
    - name: Run Scan code on target
      run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
    - name: Run Scan code on pr ref
      run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
ListLicenses
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  SetCredentialSourceMiddleware
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  spanRetryLoop
  Retry
  RetryMetricsHeader
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
```

```
  ComputePayloadHash
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
```

```
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
 err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
```

```
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if
err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addCredentialSource(stack, options); err != nil {
 return err
}
if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
```

```
 return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
 return err
 }
 if err = addRecursionDetection(stack); err != nil {
 return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
 return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
 return err
 }
 if err = addDisableHTTPSMiddleware(stack, options);
 err != nil {
 return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
 return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
 return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
 return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager
```

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string
```

```
 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err !=
 nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
```

```
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err
 != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addCredentialSource(stack, options); err != nil {
  return err
 }
 if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
```

```
 return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if
 err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }
```

```
 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata
```

```
 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack,
 options, "ListLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
```

```
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addCredentialSource(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack);
err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
```

```
 return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "ListLicenses",
 }
}
DisassociateLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  SetCredentialSourceMiddleware
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  spanRetryLoop
  Retry
  RetryMetricsHeader
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
```

setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "metadata": {
      "suppressions": [
          {
              "id": "HttpMethodSemantics",
              "namespace": "*"
          },
          {
              "id": "HttpResponseCodeSemantics",
              "namespace": "*"
          },
          {
              "id": "PaginatedTrait",
              "namespace": "*"
          },
          {
              "id": "HttpHeaderTrait",
              "namespace": "*"
          },
          {
              "id": "HttpUriConflict",
              "namespace": "*"
          },
          {
              "id": "Service",
              "namespace": "*"
          }
      ]
  },
  "shapes": {
      "com.amazonaws.licensemanager#AWSLicenseManager": {
          "type": "service",
          "version": "2018-08-01",
          "operations": [
              {
```

"target": "com.amazonaws.licensemanager#AcceptGrant"
},

{
"target": "com.amazonaws.licensemanager#CheckInLicense"
},
{
"target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
},
{
"target": "com.amazonaws.licensemanager#CheckoutLicense"
},
{
"target": "com.amazonaws.licensemanager#CreateGrant"
},
{
"target": "com.amazonaws.licensemanager#CreateGrantVersion"
},
{
"target": "com.amazonaws.licensemanager#CreateLicense"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#CreateLicenseVersion"
},
{
"target": "com.amazonaws.licensemanager#CreateToken"
},
{
"target": "com.amazonaws.licensemanager#DeleteGrant"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicense"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
},

{
"target": "com.amazonaws.licensemanager#DeleteToken"
},
{
"target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

},
{
"target": "com.amazonaws.licensemanager#GetAccessToken"
},
{
"target": "com.amazonaws.licensemanager#GetGrant"
},
{
"target": "com.amazonaws.licensemanager#GetLicense"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#GetLicenseUsage"
},
{
"target": "com.amazonaws.licensemanager#GetServiceSettings"
},
{
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#ListDistributedGrants"
},
{
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"

},
{
"target": "com.amazonaws.licensemanager#ListLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
},
{

"target": "com.amazonaws.licensemanager#ListLicenseVersions"
},
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"target": "com.amazonaws.licensemanager#ListReceivedGrants"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedLicenses"
},
{
"target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
},
{
"target": "com.amazonaws.licensemanager#ListResourceInventory"
},
{
"target": "com.amazonaws.licensemanager#ListTagsForResource"
},
{
"target": "com.amazonaws.licensemanager#ListTokens"
},
{
"target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
},
{
"target": "com.amazonaws.licensemanager#RejectGrant"
},
{
"target": "com.amazonaws.licensemanager#TagResource"
},
{
"target": "com.amazonaws.licensemanager#UntagResource"
},
{
"target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
},
{

"target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
},
{
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
},
{
"target": "com.amazonaws.licensemanager#UpdateServiceSettings"
}
],
"traits": {
"aws.api#service": {
"sdkId": "License Manager",
"arnNamespace": "license-manager",
"cloudFormationName": "LicenseManager",
"cloudTrailEventSource": "license-manager.amazonaws.com",
"endpointPrefix": "license-manager"
},
"aws.auth#sigv4": {
"name": "license-manager"
},
"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
},
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,

"documentation": "When true,
send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
},
"rules": [
{
"conditions": [
{
"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
]

}
],
"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"
},
true
]
}
],
"error": "Invalid Configuration: FIPS and custom endpoint are not supported",
"type": "error"
},
{
"conditions": [

{
"fn": "booleanEquals",
"argv": [
{

"ref": "UseDualStack"
},
true
]
}
],
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
"type": "error"
},
{
"conditions": [],
"endpoint": {
"url": {
"ref": "Endpoint"
},
"properties": {},
"headers": {}
},
"type": "endpoint"
}
],
"type": "tree"
},
{
"conditions": [
{
"fn": "isSet",
"argv": [
{
"ref": "Region"
}
]
}
],
"rules": [
{
"conditions": [
{

"fn": "aws.partition",
"argv": [
{
"ref": "Region"
}
],
"assign": "PartitionResult"
}
],

```
"rules": [
  {
    "conditions": [
      {
        "fn": "booleanEquals",
        "argv": [
          {
            "ref": "UseFIPS"
          },

true
        ]
      },
      {
        "fn": "booleanEquals",
        "argv": [
          {
            "ref": "UseDualStack"
          },
          true
        ]
      }
    ],
    "rules": [
      {
        "conditions": [
          {

"fn": "booleanEquals",
            "argv": [
              true,
              {
                "fn": "getAttr",
                "argv": [
                  {
                    "ref": "PartitionResult"
                  },
                  "supportsFIPS"
                ]
              }
            ]

},
          {
            "fn": "booleanEquals",
            "argv": [
              true,
              {
```

"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsDualStack"
]

}
]
}
],
"rules": [
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}

],
"type": "tree"
},
{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
],
"type": "tree"
},
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [

{
"ref": "UseFIPS"
},
true
]
}

```
        ],
        "rules": [
          {
            "conditions": [
              {
                "fn": "booleanEquals",
                "argv": [
                  {
                    "fn": "getAttr",
                    "argv": [

          {
                      "ref": "PartitionResult"
                    },
                    "supportsFIPS"
                  ]
                },
                true
              ]
              }
            ],
            "rules": [
              {
                "conditions": [],
                "endpoint": {

"url": "https://license-manager-fips.{Region}.{PartitionResult#dnsSuffix}",
                  "properties": {},
                  "headers": {}
                },
                "type": "endpoint"
              }
            ],
            "type": "tree"
          },
          {
            "conditions": [],
            "error": "FIPS is enabled but this partition does not support FIPS",
            "type": "error"
          }

        ],
        "type": "tree"
      },
      {
        "conditions": [
          {
            "fn": "booleanEquals",
```

```
                    "argv": [
                      {
                        "ref": "UseDualStack"
                      },
                      true
                    ]
                  }
                ],
                "rules": [
                  {

  "conditions": [
                      {
                        "fn": "booleanEquals",
                        "argv": [
                          true,
                          {
                            "fn": "getAttr",
                            "argv": [
                              {
                                "ref": "PartitionResult"
                              },
                              "supportsDualStack"
                            ]

   }
                        ]
                      }
                    ],
                    "rules": [
                      {
                        "conditions": [],
                        "endpoint": {
                          "url": "https://license-
manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
                          "properties": {},
                          "headers": {}
                        },
                        "type": "endpoint"
                      }

        ],
                    "type": "tree"
                  },
                  {
                    "conditions": [],
                    "error": "DualStack is enabled but this partition does not support DualStack",
                    "type": "error"
```

```
                    }
                ],
                "type": "tree"
            },
            {
                "conditions": [],
                "endpoint": {
                    "url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
                    "properties": {},

                  "headers": {}
                },
                "type": "endpoint"
            }
        ],
        "type": "tree"
    }
  ],
  "type": "tree"
},
{
  "conditions": [],
  "error": "Invalid Configuration: Missing Region",
  "type": "error"
}
]
},
"smithy.rules#endpointTests": {
  "testCases": [
    {
      "documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint":
{
          "url": "https://license-manager.af-south-1.amazonaws.com"
        }
      },
      "params": {
        "Region": "af-south-1",
        "UseFIPS": false,
        "UseDualStack": false
      }
    },
    {
      "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.ap-east-1.amazonaws.com"
```

```
        }
    },
    "params": {
        "Region": "ap-east-1",
        "UseFIPS": false,
        "UseDualStack": false
    }
},
{
    "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager.ap-northeast-1.amazonaws.com"
        }
    },
    "params": {
        "Region": "ap-northeast-1",
        "UseFIPS": false,
        "UseDualStack": false
    }
},
{
    "documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager.ap-northeast-2.amazonaws.com"
        }
    },
    "params": {
        "Region": "ap-northeast-2",
        "UseFIPS": false,
        "UseDualStack": false
    }
},
{
    "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager.ap-northeast-3.amazonaws.com"
        }
    },
    "params": {
        "Region": "ap-northeast-3",
        "UseFIPS": false,
        "UseDualStack": false
    }
```

```
},
        {
          "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-south-1.amazonaws.com"
            }
          },
          "params": {
            "Region": "ap-south-1",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
        {
          "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-southeast-1.amazonaws.com"

}
          },
          "params": {
            "Region": "ap-southeast-1",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
        {
          "documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-southeast-2.amazonaws.com"
            }
          },
          "params": {
            "Region": "ap-southeast-2",
            "UseFIPS": false,
            "UseDualStack": false
          }
        },
        {

"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager.ap-southeast-3.amazonaws.com"
            }
```

```
            },
            "params": {
                "Region": "ap-southeast-3",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.ca-central-1.amazonaws.com"
                }
            },

          "params": {
                "Region": "ca-central-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.eu-central-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "eu-central-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region eu-north-1 with
FIPS disabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.eu-north-1.amazonaws.com"
                }
            },
            "params": {
                "Region": "eu-north-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
```

```
            {
              "documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.eu-south-1.amazonaws.com"
                }
              },
              "params": {
                "Region":
"eu-south-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.eu-west-1.amazonaws.com"
                }
              },
              "params": {
                "Region": "eu-west-1",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
              "expect": {

               "endpoint": {
                  "url": "https://license-manager.eu-west-2.amazonaws.com"
                }
              },
              "params": {
                "Region": "eu-west-2",
                "UseFIPS": false,
                "UseDualStack": false
              }
            },
            {
              "documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://license-manager.eu-west-3.amazonaws.com"
                }
              },
```

"params": {
"Region": "eu-west-3",
"UseFIPS": false,

"UseDualStack": false
}
},
{
"documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.me-south-1.amazonaws.com"
}
},
"params": {
"Region": "me-south-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.sa-east-1.amazonaws.com"
}
},
"params": {
"Region": "sa-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}

},
{

"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-east-2.amazonaws.com"
}

},
"params": {
"Region": "us-east-2",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-2.amazonaws.com"
}
},
"params": {
"Region": "us-east-2",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region
us-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-west-1.amazonaws.com"
}
},
"params": {

"Region": "us-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-west-1.amazonaws.com"
}
},
"params": {

"Region": "us-west-1",
"UseFIPS": true,
"UseDualStack": false
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},
{
"documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-west-2.amazonaws.com"
}
},
"params": {
"Region": "us-west-2",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",

"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-west-2.amazonaws.com"
}
},
"params": {
"Region": "us-west-2",
"UseFIPS": true,
"UseDualStack": false
}
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{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",

"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-northwest-1",
"UseFIPS": false,

"UseDualStack": false

}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
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{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {

"url": "https://license-manager.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"

}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation":
"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-west-1",
"UseFIPS": true,
"UseDualStack": false

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            }
        },
        {
            "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-fips.us-gov-east-1.api.aws"
                }
            },

    "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": true,
                "UseDualStack": true
            }
        },
        {
            "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.us-gov-east-1.api.aws"
                }
            },
            "params": {
                "Region": "us-gov-east-1",
                "UseFIPS": false,
                "UseDualStack": true
            }
        },
        {
            "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
                }
            },
            "params": {
                "Region": "us-iso-east-1",
                "UseFIPS": false,
                "UseDualStack": false
            }
        },
        {
            "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
            "expect": {
                "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
            },
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled
but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},

{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {

"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
}
},

"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},

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            {
              "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
              "expect": {
                "endpoint": {
                  "url": "https://example.com"
                }
              },
              "params": {
                "UseFIPS": false,

        "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
            },
            {
              "documentation": "For custom endpoint with fips enabled and dualstack disabled",
              "expect": {
                "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
            },
            {
              "documentation": "For custom endpoint with fips disabled and dualstack enabled",
              "expect": {
                "error":
 "Invalid Configuration: Dualstack and custom endpoint are not supported"
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": true,
                "Endpoint": "https://example.com"
              }
            },
            {
              "documentation": "Missing region",
              "expect": {
                "error": "Invalid Configuration: Missing Region"
              }
            }
          ],
          "version": "1.0"
```

```
            }
        }
    },
    "com.amazonaws.licensemanager#AcceptGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
        "output": {
            "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"

    }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
```

```
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#AcceptGrantResponse": {
        "type": "structure",
        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Grant
ARN.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
              "smithy.api#documentation": "<p>Grant status.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Grant version.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#AccessDeniedException": {
        "type": "structure",
        "members": {
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "aws.protocols#awsQueryError": {

  "code": "ServiceAccessDenied",
            "httpResponseCode": 401
          },
          "smithy.api#documentation": "<p>Access to resource denied.</p>",
```

```
        "smithy.api#error": "client",
        "smithy.api#httpError": 401
    }
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
    "type": "enum",
    "members": {
        "DISTRIBUTED_GRANTS_ONLY": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
            }
        },
        "ALL_GRANTS_PERMITTED_BY_ISSUER": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
            }
        }
    }
},
"com.amazonaws.licensemanager#AllowedOperation": {

"type": "enum",
    "members": {
        "CREATE_GRANT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "CreateGrant"
            }
        },
        "CHECKOUT_LICENSE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "CheckoutLicense"
            }
        },
        "CHECKOUT_BORROW_LICENSE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "CheckoutBorrowLicense"
            }
        },
        "CHECK_IN_LICENSE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "CheckInLicense"
            }
```

```
            },
            "EXTEND_CONSUMPTION_LICENSE":
{
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ExtendConsumptionLicense"
                }
            },
            "LIST_PURCHASED_LICENSES": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ListPurchasedLicenses"
                }
            },
            "CREATE_TOKEN": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CreateToken"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#AllowedOperationList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#AllowedOperation"
        },
        "traits": {
            "smithy.api#length": {
                "min": 1,
                "max":
8
            }
        }
    },
    "com.amazonaws.licensemanager#Arn": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 2048
            },
            "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-
z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
        }
    },
    "com.amazonaws.licensemanager#ArnList": {
        "type": "list",
```

"member": {
"target": "com.amazonaws.licensemanager#Arn"
}
},
"com.amazonaws.licensemanager#AuthorizationException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError":
{
"code": "AuthorizationFailure",
"httpResponseCode": 403
},
"smithy.api#documentation": " The Amazon Web Services user account does not have permission to perform the action. Check the IAM\n policy associated with this account. ",
"smithy.api#error": "client",
"smithy.api#httpError": 403
}
},
"com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
"type": "structure",
"members": {
"LastRunTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time that automated discovery last ran. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes automated discovery. "
}
},

"com.amazonaws.licensemanager#Boolean": {
"type": "boolean",
"traits": {
"smithy.api#default": false
}
},
"com.amazonaws.licensemanager#BorrowConfiguration": {
"type": "structure",
"members": {
"AllowEarlyCheckIn": {

"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether early check-ins are allowed. ",
"smithy.api#required": {}
}
},
"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the borrow configuration, in minutes. ",
"smithy.api#required": {}
}
}

},
"traits": {
"smithy.api#documentation": " Details about a borrow configuration. "
}
},
"com.amazonaws.licensemanager#BoxBoolean": {
"type": "boolean"
},
"com.amazonaws.licensemanager#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanager#BoxLong": {
"type": "long"
},
"com.amazonaws.licensemanager#CheckInLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{

"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks in the specified license. Check in a license when it is no longer in use. "
}
},
"com.amazonaws.licensemanager#CheckInLicenseRequest": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckInLicenseResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}

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    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
```

```
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
        "type": "structure",
        "members":
 {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must
use the borrow consumption configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
                    "smithy.api#required": {}
                }
            },
            "DigitalSignatureMethod": {
                "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
                "traits": {
                    "smithy.api#documentation": "<p>Digital signature method. The possible
 value is JSON Web Signature (JWS) algorithm PS384.\n        For more information, see <a
href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS</a>.</p>",
                    "smithy.api#required": {}
                }
            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
```

```
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
          },
          "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>License consumption token.</p>"
            }
          },
          "EntitlementsAllowed":
{
            "target": "com.amazonaws.licensemanager#EntitlementDataList",
            "traits": {
              "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
            }
          },
          "NodeId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Node ID.</p>"
            }
          },
          "SignedToken": {
            "target": "com.amazonaws.licensemanager#SignedToken",
            "traits": {
              "smithy.api#documentation": "<p>Signed token.</p>"
            }
          },
          "IssuedAt": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
            }
          },
```

```
        "Expiration": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
            }
        },
        "CheckoutMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
                "smithy.api#documentation": "<p>Information about constraints.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CheckoutLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
     },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
```

"target":
"com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license. \n <note>\n If the account that created the license is the same that is performing the check out, you must\n specify the account as the beneficiary. \n </note>"
}
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
"type": "structure",
"members": {
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. ",
"smithy.api#required": {}
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Key fingerprint identifying the license. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}

```
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            },
            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            }
        },
        "traits": {

        "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutLicenseResponse": {
        "type": "structure",
        "members": {
            "CheckoutType": {
                "target": "com.amazonaws.licensemanager#CheckoutType",
                "traits": {
                    "smithy.api#documentation": "<p>Checkout type.</p>"
                }
            },
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },
            "EntitlementsAllowed": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
                }
            },
```

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            "SignedToken": {
              "target": "com.amazonaws.licensemanager#SignedToken",
              "traits": {
                "smithy.api#documentation": "<p>Signed token.</p>"
              }
            },
            "NodeId": {
              "target": "com.amazonaws.licensemanager#String",
              "traits": {
                "smithy.api#documentation": "<p>Node ID.</p>"
              }
            },
            "IssuedAt": {
              "target": "com.amazonaws.licensemanager#ISO8601DateTime",
              "traits": {
                "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
              }
            },
            "Expiration": {
              "target": "com.amazonaws.licensemanager#ISO8601DateTime",
              "traits": {
                "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
              }
            },
            "LicenseArn": {
              "target": "com.amazonaws.licensemanager#String",
              "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
              }
            }
          },
          "traits": {
            "smithy.api#output": {}
          }
        },
        "com.amazonaws.licensemanager#CheckoutType": {
          "type": "enum",
          "members": {
            "PROVISIONAL": {
              "target": "smithy.api#Unit",
              "traits": {
                "smithy.api#enumValue": "PROVISIONAL"
              }
            },
            "PERPETUAL": {
              "target": "smithy.api#Unit",
              "traits": {
```

"smithy.api#enumValue": "PERPETUAL"
}
}
}
}
},
"com.amazonaws.licensemanager#ClientRequestToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 36
}
}
},
"com.amazonaws.licensemanager#ClientToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 2048
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#ConflictException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "ConflictException",
"httpResponseCode":
409
},
"smithy.api#documentation": " There was a conflict processing the request. Try your request again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 409
}
},
"com.amazonaws.licensemanager#ConsumedLicenseSummary": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",

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            "traits": {
                "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
            }
        },
        "ConsumedLicenses": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
            }
        }
    },

"traits": {
        "smithy.api#documentation": "<p>Details about license consumption.</p>"
    }
  },
  "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
    }
  },
  "com.amazonaws.licensemanager#ConsumptionConfiguration": {
    "type": "structure",
    "members": {
        "RenewType": {
            "target": "com.amazonaws.licensemanager#RenewType",
            "traits": {
                "smithy.api#documentation": "<p>Renewal frequency.</p>"
            }
        },
        "ProvisionalConfiguration": {
            "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
             }
        },
        "BorrowConfiguration": {
            "target": "com.amazonaws.licensemanager#BorrowConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
    }
  },
```

"com.amazonaws.licensemanager#CreateGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a grant for the specified license. A grant shares the use of license\n entitlements with a specific Amazon Web Services account, an organization, or an\n organizational unit (OU). For more
information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#CreateGrantRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",

"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}

}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Principals": {
"target": "com.amazonaws.licensemanager#PrincipalArnList",
"traits": {
"smithy.api#documentation": " The grant principals. You can specify one of the following as an Amazon Resource Name\n (ARN): \n \n \n An Amazon Web Services account, which includes only the account specified. \n \n \n \n \n An organizational unit (OU), which includes all accounts in the OU. \n \n \n \n
\n An organization, which will include all accounts across your organization. \n \n ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations for the grant. ",
"smithy.api#required": {}
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",

"traits": {
"smithy.api#documentation": " Tags to add to the grant. For more information about tagging support in\n License Manager, see the TagResource operation. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateGrantResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateGrantVersion": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a new version of the specified grant. For more information, see\n Granted licenses in License Manager in the License Manager User Guide. "

}
},
"com.amazonaws.licensemanager#CreateGrantVersionRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",
"smithy.api#required": {}
}
},
"GrantName": {
"target": "com.amazonaws.licensemanager#String",

"traits": {

"smithy.api#documentation": " Grant name. "
}
},
"AllowedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Allowed operations for the grant. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. "
}
},
"StatusReason": {
"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the grant. "
}
},
"Options": {
"target": "com.amazonaws.licensemanager#Options",
"traits": {
"smithy.api#documentation": " The options specified for the grant. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateGrantVersionResponse": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Grant ARN. "
}

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        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
             "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>New version of the grant.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },

       {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
```

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
        "type": "operation",
        "input": {

    "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }

    ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration
is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager.
Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU),
allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or all of these), license affinity  to
host (how long a \n        license must be associated with a host), and the number of licenses purchased and
used.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
```

"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension used to track the license inventory. ",
"smithy.api#required": {}
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "

}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether hard or soft license enforcement is used. Exceeding a hard limit\n blocks the launch of new instances. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows. \n \n \n \n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> | <code>minimumCores</code>\n
\n \n \n \n <code>Instances</code> dimension: <code>allowedTenancy</code> | \n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n
\n \n \n \n <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n <code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code>\n \n \n \n
\n <code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n

<code>honorVcpuOptimization</code> | \n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n \n \n \n The unit for <code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for <code>allowedTenancy</code>
are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n <code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n <code>True</code> and <code>False</code>. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the license configuration. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],

"traits": {
"smithy.api#documentation": " Creates a new license conversion task. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource you are converting the license type for. ",
"smithy.api#required": {}
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting from. \n\n For the structure of the source license, see <a href=\"https://docs.aws.amazon.com/license-

manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert
a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting to.
For the structure of the destination license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI in
the License Manager User Guide. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " The ID of the created license type conversion task. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
},
"errors":
[
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}

],
"traits": {
"smithy.api#documentation": " Creates a report generator. "
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports to generate. The following report types an be generated: \n \n \n License configuration report - Reports the number and details
of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}
}
},
"ReportContext": {

"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or
weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "

}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " The Amazon Resource Name (ARN) of the new report generator. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseRequest": {
"type": "structure",
"members": {
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits": {
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}

}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region for the license. ",
"smithy.api#required": {}
}

```
            },
            "Validity": {
                "target": "com.amazonaws.licensemanager#DatetimeRange",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements.</p>",
                    "smithy.api#required": {}

    }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>",
                    "smithy.api#required": {}
                }
            },
            "ConsumptionConfiguration": {
                "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n          running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n          usage.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",

   "traits": {
                    "smithy.api#documentation": "<p>Information about the license.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
```

"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the license. For more information about tagging support in\n License Manager, see the TagResource operation. "
}
}

},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}

},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"

```
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#ConflictException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#RedirectException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
              "smithy.api#required":
{}
            }
          },
          "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>License name.</p>",
              "smithy.api#required": {}
            }
```

},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits": {
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the license. ",
"smithy.api#required": {}
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional

configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the license. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
"type": "structure",
"members": {
"LicenseArn": {

"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New version of the license. "
}
},

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        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateToken": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateTokenRequest"
     },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateTokenResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#RedirectException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"

     },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n        <p>A refresh token is a JWT
```

token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license. "
}
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token. ",
"smithy.api#required":
{}
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n License Manager does not check whether the roles are in use. "
}
},
"ExpirationInDays": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Token expiration, in days, counted from token creation. The default is 365 days. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Idempotency token, valid for 10 minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

```
    },
    "com.amazonaws.licensemanager#CreateTokenResponse": {
      "type": "structure",
      "members": {
        "TokenId": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token ID.</p>"
          }
        },
        "TokenType": {
          "target": "com.amazonaws.licensemanager#TokenType",
           "traits": {
            "smithy.api#documentation": "<p>Token type.</p>"
          }
        },
        "Token": {
          "target": "com.amazonaws.licensemanager#TokenString",
          "traits": {
            "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#DateTime": {
      "type": "timestamp"
    },
    "com.amazonaws.licensemanager#DatetimeRange": {
      "type": "structure",
      "members": {
        "Begin": {
          "target": "com.amazonaws.licensemanager#ISO8601DateTime",
          "traits": {
            "smithy.api#documentation": "<p>Start of the time range.</p>",
            "smithy.api#required":
{}
          }
        },
        "End": {
          "target": "com.amazonaws.licensemanager#ISO8601DateTime",
          "traits": {
            "smithy.api#documentation": "<p>End of the time range.</p>"
          }
        }
      },
```

```
    "traits": {
        "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
    }
},
"com.amazonaws.licensemanager#DeleteGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
         },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Deletes the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {

 "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
```

```
            }
        },
        "StatusReason": {
            "target": "com.amazonaws.licensemanager#StatusReasonMessage",
            "traits": {
                "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Current version of the grant.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#DeleteGrantResponse":
{
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DeleteLicense":
```

```
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
             },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
        },
        "errors": [
            {
```

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license configuration. \n You cannot delete a license configuration that is in use. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the license configuration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
},

"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified report generator. \n This action deletes
the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator to be deleted. ",
"smithy.api#required": {}
}
}

```
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
    "type": "structure",
    "members": {},
    "traits": {

      "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DeleteLicenseRequest": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                "smithy.api#required": {}
            }
        },
        "SourceVersion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Current version of the license.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#DeleteLicenseResponse": {

 "type": "structure",
    "members": {
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
            "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        },
        "DeletionDate": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
```

"smithy.api#documentation": " Date when the license is deleted. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified token.
Must be called in the license home Region. "
}
},
"com.amazonaws.licensemanager#DeleteTokenRequest": {
"type": "structure",
"members": {
"TokenId": {

```
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token ID.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#DeleteTokenResponse": {
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DigitalSignatureMethod": {
    "type": "enum",
    "members": {
        "JWT_PS384": {
            "target": "smithy.api#Unit",

          "traits": {
                "smithy.api#enumValue": "JWT_PS384"
            }
        }
    }
},
"com.amazonaws.licensemanager#Entitlement": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement name.</p>",
                "smithy.api#required": {}
            }
        },
        "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Entitlement resource. Use only if the unit is None.</p>"
            }
        },
        "MaxCount": {
            "target": "com.amazonaws.licensemanager#Long",
```

"traits": {
"smithy.api#documentation":
" Maximum entitlement count. Use if the unit is not None. "
}
},
"Overage": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether overages are allowed. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementUnit",
"traits": {
"smithy.api#documentation": " Entitlement unit. ",
"smithy.api#required": {}
}
},
"AllowCheckIn": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether check-ins are allowed. "
}
}

},
"traits": {
"smithy.api#documentation": " Describes a resource entitled for use with a license. "
}
},
"com.amazonaws.licensemanager#EntitlementData": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement data name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement data value. "
}
},
"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementDataUnit",

"traits": {

"smithy.api#documentation": " Entitlement data unit. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Data associated with an entitlement resource. "
}
},
"com.amazonaws.licensemanager#EntitlementDataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#EntitlementData"
}
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"None"
}
},
"SECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"
}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}

},
"BYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},

"TERABYTES_PER_SECOND": {
"target":
"smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"Gigabits/Second"
}
},
"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementList": {
"type": "list",

```
    "member": {
        "target": "com.amazonaws.licensemanager#Entitlement"
    }
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }

 },
    "traits": {
        "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#EntitlementUnit": {
    "type": "enum",
    "members": {
        "COUNT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Count"
            }
        },
        "NONE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "None"
            }
        },
        "SECONDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Seconds"
            }
        },
        "MICROSECONDS": {

           "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Microseconds"
            }
        },
        "MILLISECONDS": {
            "target": "smithy.api#Unit",
```

```
        "traits": {
            "smithy.api#enumValue": "Milliseconds"
        }
    },
    "BYTES": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Bytes"
        }
    },
    "KILOBYTES": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Kilobytes"
        }
    },
    "MEGABYTES": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Megabytes"

}
    },
    "GIGABYTES": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Gigabytes"
        }
    },
    "TERABYTES": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Terabytes"
        }
    },
    "BITS": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Bits"
        }
    },
    "KILOBITS": {
        "target": "smithy.api#Unit",
        "traits": {
            "smithy.api#enumValue": "Kilobits"
        }
    },
    "MEGABITS": {
```

"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"
}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target":
"smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}

```
        },
        "TERABYTES_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Terabytes/Second"
          }
        },
        "BITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {

"smithy.api#enumValue": "Bits/Second"
          }
        },
        "KILOBITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Kilobits/Second"
          }
        },
        "MEGABITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Megabits/Second"
          }
        },
        "GIGABITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Gigabits/Second"
          }
        },
        "TERABITS_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Terabits/Second"
          }
        },

        "COUNT_PER_SECOND": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "Count/Second"
          }
        }
      }
    },
    "com.amazonaws.licensemanager#EntitlementUsage": {
```

```
        "type": "structure",
        "members": {
          "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Entitlement usage name.</p>",
              "smithy.api#required": {}
            }
          },
          "ConsumedValue": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Resource usage consumed.</p>",
              "smithy.api#required": {}
            }
          },
          "MaxCount":
{
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
            }
          },
          "Unit": {
            "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
            "traits": {
              "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
        }
      },
      "com.amazonaws.licensemanager#EntitlementUsageList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#EntitlementUsage"
        }
      },
      "com.amazonaws.licensemanager#ExtendLicenseConsumption":
{
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
        },
        "output": {
```

"target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Extends the expiration date for license consumption. "
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. ",
"smithy.api#required": {}
}
},
"DryRun": {
"target": "com.amazonaws.licensemanager#Boolean",
"traits": {
"smithy.api#default": false,

"smithy.api#documentation": " Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions. "
}
}

```
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },
            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the
license consumption expires.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#FailedDependencyException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            },
            "ErrorCode": {
                "target": "com.amazonaws.licensemanager#String"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "FailedDependency",
                "httpResponseCode": 424
            },
            "smithy.api#documentation": "<p>A dependency required to run the API is missing.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 424
        }
    },
    "com.amazonaws.licensemanager#Filter":
```

{
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#FilterName",
"traits": {
"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used to return more specific results from a\n describe operation. Filters can be used to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "

}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FilterLimitExceeded",
"httpResponseCode": 400
},
"smithy.api#documentation": " The request uses too many filters or too many filter values. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Filter"
}
},
"com.amazonaws.licensemanager#FilterName": {

"type": "string"
},
"com.amazonaws.licensemanager#FilterValue":
{
"type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#FilterValue",
"traits": {
"smithy.api#xmlName": "item"
}
}
},
"com.amazonaws.licensemanager#Filters": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Filter",
"traits": {
"smithy.api#xmlName": "item"
}
}
},
"com.amazonaws.licensemanager#GetAccessToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
},

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access tokens\n          are valid for one hour.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetAccessTokenRequest": {
        "type": "structure",
        "members": {
            "Token":
 {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {
                    "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
                    "smithy.api#required": {}
                }
            },
            "TokenProperties": {
                "target": "com.amazonaws.licensemanager#MaxSize3StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetAccessTokenResponse": {
        "type": "structure",
        "members": {
            "AccessToken": {
                "target": "com.amazonaws.licensemanager#TokenString",
                "traits": {

         "smithy.api#documentation": "<p>Temporary access token.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetGrant": {
        "type": "operation",
        "input": {
```

```
        "target": "com.amazonaws.licensemanager#GetGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
```

```
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
    "type": "structure",
    "members": {
        "Grant": {
            "target": "com.amazonaws.licensemanager#Grant",
            "traits": {
                "smithy.api#documentation": "<p>Grant details.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseRequest"
     },
    "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
```

"smithy.api#documentation": " Gets detailed
information about the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the specified license
configuration. "
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license
configuration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}

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        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurationId":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
                }
            },
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
                }
            },
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the license configuration.</p>"
                }
            },
            "Description": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Description of the license configuration.</p>"
                }
            },
            "LicenseCountingType": {
                "target": "com.amazonaws.licensemanager#LicenseCountingType",
                "traits": {
                    "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
                }
            },
            "LicenseRules": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>License rules.</p>"
                }
            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>Number of available licenses.</p>"
                }
```

},
"LicenseCountHardLimit": {

"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Sets the number of available licenses as a hard limit. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses assigned to resources. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License configuration status. "
}
},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner
of the license configuration. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList":
{
"target": "com.amazonaws.licensemanager#ProductInformationList",

"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],

```
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the license type conversion task to retrieve information
on.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the license type conversion task.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the resources the license
conversion task is associated with.</p>"
                }
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license type converted from.</p>"
                }
            },
            "DestinationLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license type converted to.</p>"
                }
            },
```

```
            "StatusMessage": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
                }
            },
            "StartTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time at which the license type conversion task
 was started .</p>"
                }
            },
            "LicenseConversionTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
                }
            },
            "EndTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time at which the license type conversion task was
completed.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"

    },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
```

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified report generator. "
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse":
{
"type": "structure",
"members": {
"ReportGenerator": {

"target": "com.amazonaws.licensemanager#ReportGenerator",
"traits": {
"smithy.api#documentation": " A report generator that creates periodic reports about your license configurations. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseResponse": {
"type": "structure",
"members": {
"License": {
"target": "com.amazonaws.licensemanager#License",
"traits": {
"smithy.api#documentation": " License details. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseUsage": {

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
},
"output":
{
"target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the usage of the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseUsageRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},

```
    "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
      "type": "structure",
      "members": {
        "LicenseUsage": {
          "target": "com.amazonaws.licensemanager#LicenseUsage",
          "traits": {
            "smithy.api#documentation": "<p>License usage details.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#GetServiceSettings": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
          "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
      ],
      "traits": {
        "smithy.api#documentation":
"<p>Gets the License Manager settings for the current Region.</p>"
      }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsRequest": {
      "type": "structure",
      "members": {},
      "traits": {
        "smithy.api#input": {}
      }
    },
```

"com.amazonaws.licensemanager#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Regional S3 bucket path for storing reports, license trail event data, discovery data,\n and so on. "
}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " SNS topic configured to receive notifications from License Manager. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Indicates whether Organizations is integrated with License Manager for\n cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether cross-account discovery is enabled. "
}
},
"LicenseManagerResourceShareArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource share. The License Manager management account \n provides member accounts with access to this share. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Grant": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",

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            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "GrantName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant name.</p>",
                "smithy.api#required": {}

}
        },
        "ParentArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Parent ARN.</p>",
                "smithy.api#required": {}
            }
        },
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>License ARN.</p>",
                "smithy.api#required": {}
            }
        },
        "GranteePrincipalArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>The grantee principal ARN.</p>",
                "smithy.api#required": {}
            }
        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
                "smithy.api#documentation": "<p>Home Region of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "GrantStatus": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>",
                "smithy.api#required": {}
            }
        },
```

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            "StatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status reason.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Grant version.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Granted operations.</p>",
                    "smithy.api#required": {}
                }
            },
            "Options": {
                "target": "com.amazonaws.licensemanager#Options",
                "traits": {
                    "smithy.api#documentation": "<p>The options specified for the grant.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes a grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#GrantList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Grant"
         }
    },
    "com.amazonaws.licensemanager#GrantStatus": {
        "type": "enum",
        "members": {
            "PENDING_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_WORKFLOW"
                }
            },
            "PENDING_ACCEPT": {
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"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_ACCEPT"
}
},
"REJECTED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REJECTED"
}
},
"ACTIVE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ACTIVE"
}
},
"FAILED_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED_WORKFLOW"
}
},
"DELETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DELETED"
}
},
"PENDING_DELETE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_DELETE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISABLED"
}
},
"WORKFLOW_COMPLETED": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "WORKFLOW_COMPLETED"
}
}

```
        }
    },
    "com.amazonaws.licensemanager#GrantedLicense": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>"
                }
            },
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product name.</p>"

           }
            },
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product SKU.</p>"
                }
            },
            "Issuer": {
                "target": "com.amazonaws.licensemanager#IssuerDetails",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license issuer.</p>"
                }
            },
            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region of the granted license.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation":
"<p>Granted license status.</p>"
                }
```

},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the granted license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Granted license beneficiary. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. "
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. "
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Granted license metadata. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Creation time of the granted license. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Version of the granted license. "
}
},
"ReceivedMetadata": {
"target": "com.amazonaws.licensemanager#ReceivedMetadata",

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                "traits": {
                    "smithy.api#documentation": "<p>Granted license received metadata.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
        }
    },
    "com.amazonaws.licensemanager#GrantedLicenseList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#GrantedLicense"
        }
    },
    "com.amazonaws.licensemanager#ISO8601DateTime": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-
1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[
0-3]|[0-1][0-9]):[0-5][0-9])+$"
        }
    },
    "com.amazonaws.licensemanager#Integer": {
        "type": "integer"
    },
    "com.amazonaws.licensemanager#InvalidParameterValueException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "InvalidParameterValueProvided",
                "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>One or more parameter values are not valid.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
    "com.amazonaws.licensemanager#InvalidResourceStateException":
```

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{
        "type": "structure",
        "members": {
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "aws.protocols#awsQueryError": {
            "code": "InvalidResourceState",
            "httpResponseCode": 400
          },
          "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n        <p>For example, you cannot allocate a license to an instance in the process of shutting\n
down.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 400
        }
      },
      "com.amazonaws.licensemanager#InventoryFilter": {
        "type": "structure",
        "members": {
          "Name": {
            "target": "com.amazonaws.licensemanager#String",

     "traits": {
                "smithy.api#documentation": "<p>Name of the filter.</p>",
                "smithy.api#required": {}
            }
          },
          "Condition": {
            "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
            "traits": {
                "smithy.api#documentation": "<p>Condition of the filter.</p>",
                "smithy.api#required": {}
            }
          },
          "Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Value of the filter.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>An inventory filter.</p>"
        }
      },
```

```
    "com.amazonaws.licensemanager#InventoryFilterCondition": {
        "type": "enum",
         "members": {
            "EQUALS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "EQUALS"
                }
            },
            "NOT_EQUALS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "NOT_EQUALS"
                }
            },
            "BEGINS_WITH": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "BEGINS_WITH"
                }
            },
            "CONTAINS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CONTAINS"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#InventoryFilterList": {
        "type": "list",

"member": {
            "target": "com.amazonaws.licensemanager#InventoryFilter"
        }
    },
    "com.amazonaws.licensemanager#Issuer": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Issuer name.</p>",
                    "smithy.api#required": {}
                }
            },
            "SignKey": {
                "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the issuer of a license. "
}
},
"com.amazonaws.licensemanager#IssuerDetails": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. "
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer key fingerprint. "
}
}
},
"traits": {
"smithy.api#documentation": " Details associated with the issuer of a license. "
}
},
"com.amazonaws.licensemanager#License": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "

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            }
        },
        "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License name.</p>"
            }
        },
        "ProductName": {
            "target": "com.amazonaws.licensemanager#String",

    "traits": {
                "smithy.api#documentation": "<p>Product name.</p>"
            }
        },
        "ProductSKU": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Product SKU.</p>"
            }
        },
        "Issuer": {
            "target": "com.amazonaws.licensemanager#IssuerDetails",
            "traits": {
                "smithy.api#documentation": "<p>License issuer.</p>"
            }
        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Home Region of the license.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#LicenseStatus",
             "traits": {
                "smithy.api#documentation": "<p>License status.</p>"
            }
        },
        "Validity": {
            "target": "com.amazonaws.licensemanager#DatetimeRange",
            "traits": {
                "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>"
            }
        },
        "Beneficiary": {
            "target": "com.amazonaws.licensemanager#String",
```

```
            "traits": {
                "smithy.api#documentation": "<p>License beneficiary.</p>"
            }
        },
        "Entitlements": {
            "target": "com.amazonaws.licensemanager#EntitlementList",
            "traits": {
                "smithy.api#documentation": "<p>License entitlements.</p>"
            }
        },

    "ConsumptionConfiguration": {
            "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
            }
        },
        "LicenseMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
                "smithy.api#documentation": "<p>License metadata.</p>"
            }
        },
        "CreateTime": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>License creation time.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation":
"<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
    "type": "structure",
    "members": {
        "LicenseConfigurationId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
```

```
            }
        },
        "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
        },
        "Name": {

         "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Name of the license configuration.</p>"
            }
        },
        "Description": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Description of the license configuration.</p>"
            }
        },
        "LicenseCountingType": {
            "target": "com.amazonaws.licensemanager#LicenseCountingType",
            "traits": {
                "smithy.api#documentation": "<p>Dimension to use to track the license inventory.</p>"
            }
        },
        "LicenseRules": {
            "target": "com.amazonaws.licensemanager#StringList",
            "traits": {
                "smithy.api#documentation":
"<p>License rules.</p>"
            }
        },
        "LicenseCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
            }
        },
        "LicenseCountHardLimit": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
                "smithy.api#documentation": "<p>Number of available licenses as a hard limit.</p>"
            }
        },
        "DisassociateWhenNotFound": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
```

"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the license configuration. "
}
},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the license configuration's owner. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for licenses consumed by various resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries for managed resources. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {
"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "

```
            }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A license configuration is an abstraction of a customer license
agreement that can be\n        consumed and enforced by License Manager. Components include specifications for
the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n
Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n        must be associated with a
host), and the number of licenses purchased and used.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"

      }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits": {
                    "smithy.api#documentation": "<p>Type of server resource.</p>"
                }
            },
            "ResourceOwnerId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the resource
consuming licenses.</p>"
                }
            },
            "AssociationTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Time when the license configuration was associated with the
resource.</p>"
                }
            },
            "AmiAssociationScope": {
                "target":
 "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
                }
```

```
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes an association with a license configuration.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
    }
},
"com.amazonaws.licensemanager#LicenseConfigurationStatus": {
    "type": "enum",
    "members": {
        "AVAILABLE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "AVAILABLE"
            }
        },

        "DISABLED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DISABLED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseConfigurationUsage": {
    "type": "structure",
    "members": {
        "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
            }
        },
        "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Type of resource.</p>"
            }
        },
        "ResourceStatus": {
            "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " Status of the resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the usage of a resource associated with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
}
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfiguration"
}
},
"com.amazonaws.licensemanager#LicenseConversionContext": {
"type": "structure",
"members": {
"UsageOperation": {
"target": "com.amazonaws.licensemanager#UsageOperation",
"traits": {
"smithy.api#documentation":

" The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\n \n "
}
}
},
"traits": {
"smithy.api#documentation": " Information about a license type conversion task. "
}
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " The ID of the license type conversion task. "

}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource associated with the license type\n conversion task. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type this conversion task converted to. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
"traits": {
"smithy.api#documentation": " The status of the conversion task. "
}
},

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            "StatusMessage": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
                }
            },
            "StartTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>The time the conversion task was started at.</p>"
                }
            },
            "LicenseConversionTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                 "traits": {
                    "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
                }
            },
            "EndTime": {
                "target": "com.amazonaws.licensemanager#DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTaskId": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTaskStatus":
{
        "type": "enum",
        "members": {
            "IN_PROGRESS": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "IN_PROGRESS"
```

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            }
        },
        "SUCCEEDED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SUCCEEDED"
            }
        },
        "FAILED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseConversionTasks": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#LicenseConversionTask"
    }
},
"com.amazonaws.licensemanager#LicenseCountingType":
{
    "type": "enum",
    "members": {
        "VCPU": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "vCPU"
            }
        },
        "INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Instance"
            }
        },
        "CORE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Core"
            }
        },
        "SOCKET": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Socket"
```

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            }
          }
        }
      },
      "com.amazonaws.licensemanager#LicenseDeletionStatus":
{
        "type": "enum",
        "members": {
          "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "PENDING_DELETE"
            }
          },
          "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "DELETED"
            }
          }
        }
      },
      "com.amazonaws.licensemanager#LicenseList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#License"
        }
      },
      "com.amazonaws.licensemanager#LicenseOperationFailure": {
        "type": "structure",
        "members": {
          "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation":
"<p>Amazon Resource Name (ARN) of the resource.</p>"
            }
          },
          "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
              "smithy.api#documentation": "<p>Resource type.</p>"
            }
          },
          "ErrorMessage": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Error message.</p>"
```

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            }
        },
        "FailureTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Failure time.</p>"
            }
        },
        "OperationName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits":
 {
                "smithy.api#documentation": "<p>Name of the operation.</p>"
            }
        },
        "ResourceOwnerId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the
resource.</p>"
            }
        },
        "OperationRequestedBy": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The requester is \"License Manager Automated Discovery\".</p>"
            }
        },
        "MetadataList": {
            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
                "smithy.api#documentation": "<p>Reserved.</p>"
            }
        }

    },
        "traits": {
            "smithy.api#documentation": "<p>Describes the failure of a license operation.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseOperationFailureList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseOperationFailure"
        }
    },
    "com.amazonaws.licensemanager#LicenseSpecification": {
        "type": "structure",
```

"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits":
{
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Details for associating a license configuration with a resource. "
}
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseSpecification"
}
},
"com.amazonaws.licensemanager#LicenseStatus": {
"type": "enum",
"members": {
"AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"PENDING_AVAILABLE": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "PENDING_AVAILABLE"
}
},
"DEACTIVATED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DEACTIVATED"

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            }
        },
        "SUSPENDED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SUSPENDED"
            }
        },
        "EXPIRED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EXPIRED"
            }
        },
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },

     "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseUsage": {
    "type": "structure",
    "members": {
        "EntitlementUsages": {
            "target": "com.amazonaws.licensemanager#EntitlementUsageList",
            "traits": {
                "smithy.api#documentation": "<p>License entitlement usages.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseUsageException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
```

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            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "LicenseUsageFailure",
                "httpResponseCode": 412
            },
            "smithy.api#documentation": "<p>You do not have enough licenses available to support a new resource
launch.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 412
        }
    },
    "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the resource associations for the specified license
configuration.</p>\n        <p>Resource associations need not consume licenses from a license configuration. \n
For example, an AMI or a stopped instance might not consume a license (depending
 on \n        the license rules).</p>"
        }
    },
```

"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationAssociations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license
configuration. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}

},
"traits": {
"smithy.api#output": {}

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        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrants": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {

"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
        "type": "structure",
        "members": {
            "GrantArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
                }
            },
            "Filters": {
```

"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranteePrincipalARN</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",
"traits": {
"smithy.api#documentation": " Distributed grant details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {

```
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {

            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
    }
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
    "type": "structure",
    "members": {
        "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
                "smithy.api#required": {}

    }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
```

```
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse": {
    "type": "structure",
    "members": {
        "LicenseOperationFailureList": {
            "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",

  "traits": {
                "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseConfigurations": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
         },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
        },
```

```
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configurations for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArns":
 {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation":
 "<p>Filters to scope the results. The following filters and logical operators\n        are supported:</p>\n        <ul>\n
        <li>\n            <p>\n                <code>licenseCountingType</code> - The dimension for which licenses are
counted.\n            Possible values are <code>vCPU</code> | <code>Instance</code> | <code>Core</code> |
<code>Socket</code>.</p>\n            </li>\n            <li>\n            <p>\n
<code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license enforcement is
used.</p>\n            </li>\n            <li>\n            <p>\n                <code>usagelimitExceeded</code> - A Boolean
value that indicates whether the available licenses have been exceeded.</p>\n            </li>\n        </ul>"
```

```
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse":
{
        "type": "structure",
        "members": {
          "LicenseConfigurations": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurations",
            "traits": {
              "smithy.api#documentation": "<p>Information about the license configurations.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseConversionTasks": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
         },
        "output": {
          "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest":
{
        "type": "structure",
        "members": {
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>\n        Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n      </p>"
                }

    }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
        "type": "structure",
        "members": {
            "LicenseConversionTasks": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTasks",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configuration tasks for your
account.</p>"
                }
            },
```

```
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
```

```
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n        <ul>\n            <li>\n                <p>\n                    <code>LicenseConfigurationArn</code>\n
            </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
        "type": "structure",
        "members": {
            "ReportGenerators": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorList",
                 "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
```

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Describes the license configurations for the specified resource. "
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {

"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a resource that has an associated license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "

```
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input":
{}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
        "type": "structure",
        "members": {
          "LicenseSpecifications": {
            "target": "com.amazonaws.licensemanager#LicenseSpecifications",
            "traits": {
              "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenseVersions": {
        "type": "operation",
        "input": {
          "target":
"com.amazonaws.licensemanager#ListLicenseVersionsRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
```

```
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
        }

    },
    "com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
              "smithy.api#required": {}
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
           }
        },
        "traits": {
          "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
        "type": "structure",
        "members": {
          "Licenses": {
```

```
            "target": "com.amazonaws.licensemanager#LicenseList",
            "traits": {
                "smithy.api#documentation": "<p>License details.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenses": {
    "type": "operation",
    "input": {

"target": "com.amazonaws.licensemanager#ListLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
```

"smithy.api#documentation": " Lists the licenses for your account. "
}
},
"com.amazonaws.licensemanager#ListLicensesRequest": {
"type": "structure",
"members": {
"LicenseArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the licenses. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>Beneficiary</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>Status</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicensesResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#LicenseList",
"traits": {
"smithy.api#documentation": " License details. "
}

```
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrants": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
        },
        "output": {
            "target":
"com.amazonaws.licensemanager#ListReceivedGrantsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits":
{
            "smithy.api#documentation": "<p>Lists grants that are received. Received grants are grants created while
specifying the\n        recipient as this Amazon Web Services account, your organization, or an organizational unit\n
```

(OU) to which this member account belongs. "
    }
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {

    "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": " Lists the grants received for all accounts in the organization. "
    }
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
             "traits": {
                "smithy.api#documentation": " The Amazon Resource Name (ARN) of the received license. ",
                "smithy.api#required": {}
            }

```
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>ParentArn</code>\n                </p>\n
    </li>\n            <li>\n                <p>\n                <code>GranteePrincipalArn</code>\n                </p>\n
</li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
 "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse": {
        "type": "structure",
        "members": {
            "Grants": {
                "target": "com.amazonaws.licensemanager#GrantList",
                "traits": {
                    "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
```

"com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
"type": "structure",
"members": {
"GrantArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARNs) of the grants. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranterAccountId</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",
"traits": {
"smithy.api#documentation": " Received grant details. "
}
},
"NextToken": {

```
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },

"traits": {
        "smithy.api#output": {}
    }
  },
  "com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
         },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists received licenses.</p>"
    }
  },
  "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization": {
    "type": "operation",
```

"input": {
"target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the licenses received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {

"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>Beneficiary</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n "
}
},
"NextToken": {

```
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
             "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
    "type": "structure",
    "members": {
        "Licenses": {
            "target": "com.amazonaws.licensemanager#GrantedLicenseList",
            "traits": {
                "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
     },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
    "type": "structure",
    "members": {
        "LicenseArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
            }
        },
        "Filters": {
            "target": "com.amazonaws.licensemanager#FilterList",
            "traits": {
```

"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Fingerprint</code>\n \n \n \n \n <code>IssuerName</code>\n \n \n \n \n <code>Beneficiary</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}

}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
"type": "structure",
"members": {
"Licenses": {
"target": "com.amazonaws.licensemanager#GrantedLicenseList",
"traits": {
"smithy.api#documentation": " Received license details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListResourceInventory": {
"type": "operation",

"input":
{
"target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FailedDependencyException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"

},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists resources managed using Systems Manager inventory. "
}
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "

```
                }
            },

        "Filters": {
                "target": "com.amazonaws.licensemanager#InventoryFilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n                    <code>account_id</code>
- The ID of the Amazon Web Services account that owns the resource.\n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n                <p>\n
    <code>application_name</code> - The name of the application. \n                Logical operators are
<code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n            </li>\n            <li>\n                <p>\n
    <code>license_included</code> - The type of license included. \n                Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.\n
                Possible values are <code>sql-server-enterprise</code> | \n                <code>sql-server-standard</code> |
\n                <code>sql-server-web</code> |  \n                <code>windows-server-datacenter</code>.</p>\n
</li>\n            <li>\n                <p>\n                    <code>platform</code> - The platform of the resource.\n
Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n            </li>\n
<li>\n                <p>\n                    <code>resource_id</code> - The ID of the resource. \n                Logical operators
are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n                <p>\n
            <code>tag:<key></code> - The key/value combination of a tag assigned \n                to the resource. Logical
operators are <code>EQUALS</code> (single account) or\n                <code>EQUALS</code> |
<code>NOT_EQUALS</code> (cross account).</p>\n
    </li>\n        </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListResourceInventoryResponse": {
        "type": "structure",
        "members": {
            "ResourceInventoryList": {
                "target": "com.amazonaws.licensemanager#ResourceInventoryList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the resources.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
```

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListTagsForResource":
{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {

"smithy.api#documentation": " Lists the tags for the specified resource. For more information about tagging support in\n License Manager, see the TagResource operation. "
}
},
"com.amazonaws.licensemanager#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. ",
"smithy.api#required": {}
}
}
},
"traits": {

```
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members":
{
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists your tokens.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTokensRequest": {
```

"type": "structure",
"members": {
"TokenIds": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " Token IDs. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#FilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filter is supported: \n \n \n \n <code>LicenseArns</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListTokensResponse": {
"type": "structure",
"members": {
"Tokens": {
"target": "com.amazonaws.licensemanager#TokenList",
"traits": {
"smithy.api#documentation": " Received token details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}

```
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying license\n        consumption
 details by resource at a selected point in time. Use this action to audit the\n        current license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
```

configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},

"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>resourceArn</code> - The ARN of the license configuration resource. \n \n \n \n <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | \n \t<code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n \n \n \n <code>resourceAccount</code> - The ID of the account that owns the resource. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationUsageList": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "

```
        }
         }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#Location": {
    "type": "string"
},
"com.amazonaws.licensemanager#Long": {
    "type": "long"
},
"com.amazonaws.licensemanager#ManagedResourceSummary": {
    "type": "structure",
    "members": {
        "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
            }
        },
        "AssociationCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
            }

  }
    },
    "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
    }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
    }
},
"com.amazonaws.licensemanager#MaxSize100": {
    "type": "integer",
    "traits": {
        "smithy.api#range": {
            "min": 1,
            "max": 100
        }
```

```
        }
    },
    "com.amazonaws.licensemanager#MaxSize3StringList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        },
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 3
            }
        }

},
    "com.amazonaws.licensemanager#Message": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#Metadata": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The key name.</p>"
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The value.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes key/value pairs.</p>"
        }
    },
    "com.amazonaws.licensemanager#MetadataList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Metadata"
         }
    },
    "com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
        "type": "structure",
        "members": {
            "Message": {
```

"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n
Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n \n \n As a grantor, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your organization. \n \n \n As a grantee, if the grantor creating the distributed grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n are activating the grant. \n \n
\n <dl>\n <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n Use this value to activate a grant without replacing any member accounts\n active grants for the same product. \n </dd>\n <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n
Use this value to activate a grant and disable other active grants in any\n member accounts for the same product. This action will also replace their\n previously activated grants with this activated grant. \n </dd>\n </dl>"
}
}
},
"traits": {
"smithy.api#documentation": " The options you can specify when you create a new version of a grant, such as activation\n override behavior. For more information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#OrganizationConfiguration": {
"type": "structure",
"members": {
"EnableIntegration": {
"target": "com.amazonaws.licensemanager#Boolean",

"traits": {
"smithy.api#default": false,
"smithy.api#documentation": " Enables Organizations integration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Configuration information for Organizations. "
}
},
"com.amazonaws.licensemanager#PrincipalArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
},
"traits": {

"smithy.api#length": {
"min": 1,
"max": 1
}
}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Resource type. The possible values are
<code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code>
which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies
the value to filter on. \n Accepted values for <code>ProductInformationFilterName</code> are listed
here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. \n
The following filters and are supported when the resource type \n is
<code>SSM_MANAGED</code>: \n \n \n \n <code>Application
Name</code> - The name of the application.\n Logical operator is <code>EQUALS</code>. \n
\n \n \n <code>Application Publisher</code> - The publisher of the

application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n \n \n \n \n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n \n \n <code>License Included</code> - The type of license included.\n Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are: <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n The following filters and logical operators are supported when the resource type\n is <code>RDS</code>: \n \n \n \n <code>Engine Edition</code> - The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code> \n \t| <code>db2-se</code> | <code>db2-ae</code>. \n \n \n \n <code>License Pack</code> - The license pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n <code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n \n ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information for a license configuration. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
"type": "structure",
"members": {
"ProductInformationFilterName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Filter name. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterValue": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {

"smithy.api#documentation": " Filter value. "
}
},
"ProductInformationFilterComparator": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Logical operator. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information filters. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ProductInformationFilter"
}
},
"com.amazonaws.licensemanager#ProductInformationList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ProductInformation"
}
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
"type": "structure",
"members": {
"MaxTimeToLiveInMinutes": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum time for the provisional configuration, in minutes. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details about a provisional configuration. "
}
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"

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            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "RateLimitExceeded",
                "httpResponseCode": 429
            },
            "smithy.api#documentation": "<p>Too many requests have been submitted. Try again after a brief
wait.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 429
        }
    },
    "com.amazonaws.licensemanager#ReceivedMetadata": {
        "type": "structure",
        "members": {
            "ReceivedStatus": {
                "target": "com.amazonaws.licensemanager#ReceivedStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Received status.</p>"
                }
            },
            "ReceivedStatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>Received status reason.</p>"
                }
            },
            "AllowedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed operations.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
        }
    },
    "com.amazonaws.licensemanager#ReceivedStatus": {
        "type": "enum",
        "members": {
            "PENDING_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_WORKFLOW"
                }
            },
```

```
            "PENDING_ACCEPT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_ACCEPT"
                }
            },
            "REJECTED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REJECTED"
                }
            },
            "ACTIVE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ACTIVE"
                }

    },
            "FAILED_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED_WORKFLOW"
                }
            },
            "DELETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DELETED"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DISABLED"
                }
            },
            "WORKFLOW_COMPLETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WORKFLOW_COMPLETED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#RedirectException": {
        "type": "structure",
```

```
    "members": {
        "Location": {
            "target": "com.amazonaws.licensemanager#Location",
            "traits": {
                "smithy.api#httpHeader": "Location"
            }
        },
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 308
    }
},
"com.amazonaws.licensemanager#RejectGrant": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#RejectGrantRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#RejectGrantResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
```

```
        "traits": {
            "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#RejectGrantRequest":
{
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#RejectGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",

              "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#RenewType": {
```

"type": "enum",
"members": {
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"WEEKLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Weekly"
}

},
"MONTHLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Monthly"
}
}
}
},
"com.amazonaws.licensemanager#ReportContext": {
"type": "structure",
"members": {
"licenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {

"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "

```
            }
          },
          "period": {
            "target": "com.amazonaws.licensemanager#ReportFrequencyType",
            "traits": {
              "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
or monthly.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
        }
      },
      "com.amazonaws.licensemanager#ReportFrequencyType": {
        "type": "enum",
        "members":
 {
          "DAY": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "DAY"
            }
          },
          "WEEK": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "WEEK"
            }
          },
          "MONTH": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "MONTH"
            }
          }
        }
      },
      "com.amazonaws.licensemanager#ReportGenerator": {
        "type": "structure",
        "members": {
          "ReportGeneratorName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Name of the report generator.</p>"

           }
          },
```

"ReportType": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports that are generated. "
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " License configuration type for this generator. "
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. "
}
},
"LastRunStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the last report generation attempt. "
}
},
"LastRunFailureReason": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Failure message for the last report generation attempt. "
}
},
"LastReportGenerationTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time
the last report was generated at. "
}
},
"ReportCreatorAccount": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Web Services account ID used to create the report
generator. "

```
            }
        },
        "Description": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Description of the report generator.</p>"
            }
        },
        "S3Location": {
            "target": "com.amazonaws.licensemanager#S3Location",
            "traits": {
                "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
            }
        },

    "CreateTime": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Time the report was created.</p>"
            }
        },
        "Tags": {
            "target": "com.amazonaws.licensemanager#TagList",
            "traits": {
                "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
    }
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ReportGenerator"
    }
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
    "type": "string",

  "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 100
        }
    }
```

```
    },
    "com.amazonaws.licensemanager#ReportType": {
      "type": "enum",
      "members": {
        "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
          }
        },
        "LICENSE_CONFIGURATION_USAGE_REPORT": {
          "target": "smithy.api#Unit",
          "traits": {
            "smithy.api#enumValue": "LicenseConfigurationUsageReport"
          }
        }
      }
    },
    "com.amazonaws.licensemanager#ReportTypeList": {
      "type": "list",
      "member": {
        "target": "com.amazonaws.licensemanager#ReportType"

}
    },
    "com.amazonaws.licensemanager#ResourceInventory": {
      "type": "structure",
      "members": {
        "ResourceId": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>ID of the resource.</p>"
          }
        },
        "ResourceType": {
          "target": "com.amazonaws.licensemanager#ResourceType",
          "traits": {
            "smithy.api#documentation": "<p>Type of resource.</p>"
          }
        },
        "ResourceArn": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
          }
        },
        "Platform": {
          "target": "com.amazonaws.licensemanager#String",
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            "traits": {
                "smithy.api#documentation": "<p>Platform of the resource.</p>"
            }
        },
        "PlatformVersion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
            }
        },
        "ResourceOwningAccountId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Details about a resource.</p>"
    }
},
"com.amazonaws.licensemanager#ResourceInventoryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ResourceInventory"
    }
},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "ResourceLimitExceeded",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
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            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
          },
          "smithy.api#documentation": "<p>The resource cannot be found.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 400
        }
      },
      "com.amazonaws.licensemanager#ResourceType": {
        "type": "enum",
        "members": {
          "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "EC2_INSTANCE"
            }
          },
          "EC2_HOST": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "EC2_HOST"
            }
          },
          "EC2_AMI": {
             "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "EC2_AMI"
            }
          },
          "RDS": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "RDS"
            }
          },
          "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
            }
          }
        }
      },
```

"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"com.amazonaws.licensemanager#ServerInternalException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InternalError",
"httpResponseCode": 500
},
"smithy.api#documentation": " The server experienced an internal error. Try again. ",
"smithy.api#error": "server",
"smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanager#SignedToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 4096
}
}
},

"com.amazonaws.licensemanager#StatusReasonMessage": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 400
},
"smithy.api#pattern": "^[\\s\\S]+$"
}
},
"com.amazonaws.licensemanager#String": {
"type": "string"
},
"com.amazonaws.licensemanager#StringList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#String"
}

},
"com.amazonaws.licensemanager#Tag": {
"type": "structure",
"members": {
"Key": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The tag key. "
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The tag value. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the tags for a resource. For more information about tagging support in\n License Manager, see the TagResource operation. "
}
},
"com.amazonaws.licensemanager#TagKeyList":
{
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#String"
}

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    },
    "com.amazonaws.licensemanager#TagList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Tag"
        }
    },
    "com.amazonaws.licensemanager#TagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#TagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#TagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified resource. The following
resources support\n tagging in License Manager:</p>\n <ul>\n <li>\n <p>Licenses</p>\n
</li>\n <li>\n <p>Grants</p>\n </li>\n <li>\n <p>License
configurations</p>\n </li>\n <li>\n <p>Report generators</p>\n </li>\n </ul>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource. The following
examples provide an example\n ARN for each supported resource in License Manager:</p>\n <ul>\n
```

```
<li>\n <p>Licenses -\n <code>arn:aws:license-manager::111122223333:license:l-EXAMPLE2da7646d6861033667f20e895</code>\n </p>\n </li>\n <li>\n <p>Grants -\n <code>arn:aws:license-manager::111122223333:grant:g-EXAMPLE7b19f4a0ab73679b0beb52707</code>\n </p>\n </li>\n <li>\n <p>License configurations -\n <code>arn:aws:license-manager:us-east-1:111122223333:license-configuration:lic-EXAMPLE6a788d4c8acd4264ff0ecf2ed2d</code>\n </p>\n </li>\n <li>\n

<p>Report generators -\n <code>arn:aws:license-manager:us-east-1:111122223333:report-generator:r-EXAMPLE825b4a4f8fe5a3e0c88824e5fc6</code>\n </p>\n </li>\n </ul>",
                "smithy.api#required": {}
            }
        },
        "Tags": {
            "target": "com.amazonaws.licensemanager#TagList",
            "traits": {
                "smithy.api#documentation": "<p>One or more tags.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#TagResourceResponse": {
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#TokenData": {
    "type": "structure",
    "members": {
        "TokenId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token ID.</p>"
            }
        },
        "TokenType": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Type of token generated. The supported value is <code>REFRESH_TOKEN</code>.</p>"
            }
        },
        "LicenseArn": {
```

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"ExpirationTime": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits":
{
"smithy.api#documentation": " Token expiration time, in ISO8601-UTC format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the
token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are
<code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#TokenData"
}
},
"com.amazonaws.licensemanager#TokenString": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,

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            "max": 4096
          },
          "smithy.api#pattern": "^\\S+$"
        }
      },
      "com.amazonaws.licensemanager#TokenType": {
        "type": "enum",
        "members": {
          "REFRESH_TOKEN": {
            "target": "smithy.api#Unit",
            "traits": {
              "smithy.api#enumValue": "REFRESH_TOKEN"
            }

         }
        }
      },
      "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException": {
        "type": "structure",
        "members": {
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>The digital signature method is unsupported. Try your request
again.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 400
        }
      },
      "com.amazonaws.licensemanager#UntagResource": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#UntagResourceRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#UntagResourceResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
           },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
```

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            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Removes the specified tags from the specified resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#UntagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Amazon Resource Name (ARN) of the resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "TagKeys": {
                "target": "com.amazonaws.licensemanager#TagKeyList",
                "traits": {
                    "smithy.api#documentation": "<p>Keys identifying the tags to remove.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UntagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
         },
        "output": {
```

"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Modifies the attributes of an existing license configuration. "
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"LicenseConfigurationStatus": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
"traits": {
"smithy.api#documentation": " New status of the license configuration. "

}
},
"LicenseRules": {

"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " New license rule. The only rule that you can add after you create a license\n configuration is licenseAffinityToHost. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},

"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {

"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#input": {}

```
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"

            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n
        <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being
updated.</p>"
```

```
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to
update.</p>",
                    "smithy.api#required": {}
                }
            },
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }

        },
            "Type": {
                "target": "com.amazonaws.licensemanager#ReportTypeList",
                "traits": {
                    "smithy.api#documentation": "<p>Type of reports to generate. The following report types are
supported:</p>\n <ul>\n <li>\n <p>License configuration report - Reports the number and
details of consumed licenses for a license configuration.</p>\n </li>\n <li>\n <p>Resource
report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n </li>\n
</ul>",
                    "smithy.api#required": {}
                }
            },
            "ReportContext": {
                "target": "com.amazonaws.licensemanager#ReportContext",
                "traits": {
                    "smithy.api#documentation": "<p>The report context.</p>",
                    "smithy.api#required":
 {}
                }
            },
            "ReportFrequency": {
                "target": "com.amazonaws.licensemanager#ReportFrequency",
                "traits": {
                    "smithy.api#documentation": "<p>Frequency by which reports are generated.</p>",
                    "smithy.api#required": {}
                }
            },
            "ClientToken": {
```

"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#InvalidResourceStateException"
},
{
"target": "com.amazonaws.licensemanager#LicenseUsageException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Adds or removes the specified license configurations for the specified Amazon Web Services resource. \n You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource. "
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon Web Services resource. ",
"smithy.api#required": {}
}
},
"AddLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to add. "
}
},
"RemoveLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to remove. "
}
}
},
"traits": {
"smithy.api#input": {}
}

},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
},
"output":
{
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Updates License Manager settings for the current Region. "
}
},
"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {

"type": "structure",
"members": {
"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon S3 bucket where the License Manager information is stored. "
}

```
            },
            "SnsTopicArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used
for License Manager alerts.</p>"
                }
            },
            "OrganizationConfiguration": {
                "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account
discovery.</p>"
                }
            },
            "EnableCrossAccountsDiscovery": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UsageOperation": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            }
        }
    },
    "com.amazonaws.licensemanager#ValidationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
```

```
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    }
  }
}
```


CheckInLicense

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

spanInitializeEnd

Serialize stack step

spanBuildRequestStart

setOperationInput

ResolveEndpoint

OperationSerializer

Build stack step

ClientRequestID

ComputeContentLength

SetCredentialSourceMiddleware

UserAgent

AddTimeOffsetMiddleware

RecursionDetection

spanBuildRequestEnd

Finalize stack step

spanRetryLoop

Retry

RetryMetricsHeader

ResolveAuthScheme

GetIdentity

ResolveEndpointV2

disableHTTPS

ComputePayloadHash

setLegacyContextSigningOptions

Signing

Deserialize stack step

AddRawResponseToMetadata

ErrorCloseResponseBody

CloseResponseBody

ResponseErrorWrapper

RequestIDRetriever

OperationDeserializer

AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
CheckoutBorrowLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
SetCredentialSourceMiddleware
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
spanRetryLoop
Retry
RetryMetricsHeader
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
```

```
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err
 != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
```

```
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options);
 err != nil {
  return err
 }
 if err = addCredentialSource(stack, options); err != nil {
  return err
 }
 if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
```

```
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return
 nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }
```

```
 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.Entitlement

 // Home Region for the license.
 //
 // This member is required.
 HomeRegion *string

 // License issuer.
 //
 // This member is required.
 Issuer *types.Issuer

 // License name.
 //
 // This member is required.
 LicenseName *string

 // Product name.
```

```
 //
 // This member is required.
 ProductName *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // Date and time range during which the license is valid, in ISO8601-UTC format.
 //
 // This member is required.
 Validity *types.DatetimeRange

 // Information about
 the license.
 LicenseMetadata []types.Metadata

 // Tags to add to the license. For more information about tagging support in
 // License Manager, see the [TagResource]operation.
 //
 // [TagResource]: https://docs.aws.amazon.com/license-manager/latest/APIReference/API_TagResource.html
 Tags []types.Tag

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
```

```
err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{},
middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err
= addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
```

```
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addCredentialSource(stack, options); err != nil {
 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return
err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
```

```
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "CreateLicense",
 }
}
```

AWS SDK for Go

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AssociateLicense

```
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  SetCredentialSourceMiddleware
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
  spanRetryLoop
  Retry
  RetryMetricsHeader
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  setLegacyContextSigningOptions
```

```
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
```

```
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string
```

```
 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
```

```
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
 err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addCredentialSource(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
```

```
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options);
 err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
{
   "smithy": "2.0",
   "shapes": {
       "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
           "type": "integer"
       },
       "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
           "type": "long"
       },
       "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
           "type": "operation",
           "input": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions \n\t\t\tregistered to your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/DeregisterSubscriptionProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the subscription provider resource to deregister. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {

"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
"type": "structure",
"members": {
"Name": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of name to filter by. "
}
},
"Values": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " One or more values for the name to filter by. "
}
},
"Operator": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
"traits": {
"smithy.api#documentation": " An operator for filtering results. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"

```
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
             },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Get details for a Bring Your Own License (BYOL) subscription that's
registered to your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/GetRegisteredSubscriptionProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation":
 "<p>The Amazon Resource Name (ARN) of the BYOL registration resource to get details for.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
        "type": "structure",
        "members": {
            "SubscriptionProviderArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
```

"smithy.api#documentation": " The Amazon Resource Name (ARN) for the BYOL registration resource specified in the request. "
}
},
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

"traits": {
"smithy.api#documentation": " The subscription provider for the BYOL registration resource specified \n\t\t\tin the request. "
}
},
"SecretArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " The status of the Linux subscription provider access token from the last \n\t\t\tsuccessful subscription data request. "
}
},
"SubscriptionProviderStatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The detailed message from your subscription provider token status. "
}
},
"LastSuccessfulDataRetrievalTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time License Manager retrieved subscription details \n\t\t\tfrom your registered third-party Linux subscription provider. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
"type": "operation",
"input": {

"target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions service settings for your account. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/GetServiceSettings"

},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
"type": "structure",
"members": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " Lists
the settings defined for Linux subscriptions discovery. The settings include if\n Organizations integration has
been enabled, and which Regions data will be aggregated from. "
}

```
            },
            "Status": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
                "traits": {
                    "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
                }
            },
            "HomeRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                 "traits": {
                    "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
        "type": "structure",
        "members": {
            "AmiId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
                }
            },
            "InstanceID": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
                }
            },
            "InstanceType": {
                "target": "smithy.api#String",
                "traits":
 {
                    "smithy.api#documentation": "<p>The instance type of the resource.</p>"
                }
            },
            "AccountID": {
                "target": "smithy.api#String",
```

"traits": {
"smithy.api#documentation": " The account ID which owns the instance. "
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the instance. "
}
},
"Region": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Region the instance is running in. "
}
},
"UsageOperation": {
"target": "smithy.api#String",

"traits": {
"smithy.api#documentation": " The usage operation of the instance. For more information, see For more information, see\n Usage\n operation values in the License Manager User Guide. "
}
},
"ProductCode": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
"traits": {
"smithy.api#documentation": " The product code for the instance. For more information, see Usage\n operation values in the License Manager User Guide . "
}
},
"LastUpdatedTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The time in which the last discovery updated the instance details. "
}
},
"SubscriptionName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the license subscription that the instance uses. "
}
},
"OsVersion": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The operating system software version that runs on your instance. "
}
},
"SubscriptionProviderCreateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp when you registered the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses. "
}
},
"SubscriptionProviderUpdateTime": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The timestamp from the last time that the instance synced with the registered \n\t\t\tthird-party Linux subscription provider. "
}
},
"DualSubscription": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Indicates that you have two different license subscriptions for \n\t\t\tthe same software on your instance. "
}
},
"RegisteredWithSubscriptionProvider": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " Indicates that your instance uses a BYOL license subscription from \n\t\t\ta third-party Linux subscription provider that you've registered with License Manager. "
}
}
},
"traits": {
"smithy.api#documentation": " Details discovered information about a running instance using Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {

```
        "type": "structure",
        "members": {
          "message": {
            "target": "smithy.api#String"
          }
        },
        "traits": {
          "smithy.api#documentation":
"<p>An exception occurred with the service.</p>",
          "smithy.api#error": "server"
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
        "type": "service",
        "version": "2018-05-10",
        "operations": [
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
           },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
```

```
            }
        ],
        "traits": {
            "aws.api#service": {
                "sdkId": "License Manager Linux Subscriptions",
                 "arnNamespace": "license-manager-linux-subscriptions",
                "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
            },
            "aws.auth#sigv4": {
                "name": "license-manager-linux-subscriptions"
            },
            "aws.protocols#restJson1": {},
            "smithy.api#cors": {
                "additionalAllowedHeaders": [
                    "*",
                    "content-type",
                    "x-amz-content-sha256",
                    "x-amz-user-agent",
                    "x-amzn-platform-id",
                    "x-amzn-trace-id"
                ],
                "additionalExposedHeaders": [
                    "x-amzn-errortype",
                    "x-amzn-requestid",
                    "x-amzn-trace-id"
                ]
            },
            "smithy.api#documentation": "<p>With License Manager,
you can discover and track your commercial Linux subscriptions on running\n      Amazon EC2 instances.</p>",
            "smithy.api#title": "AWS License Manager Linux Subscriptions",
            "smithy.rules#endpointRuleSet": {
                "version": "1.0",
                "parameters": {
                    "Region": {
                        "builtIn": "AWS::Region",
                        "required": false,
                        "documentation": "The AWS region used to dispatch the request.",
                        "type": "String"
                    },
                    "UseDualStack": {
                        "builtIn": "AWS::UseDualStack",
                        "required": true,
                        "default": false,
                        "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
                         "type": "Boolean"
                    },
                    "UseFIPS": {
```

"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
},
"rules": [
{
"conditions": [
{
"fn": "isSet",
"argv": [
{
"ref": "Endpoint"
}
]
}
],
"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"
},
true
]
}

],
"error": "Invalid Configuration: FIPS and custom endpoint are not supported",
"type": "error"
},
{
"conditions": [],
"rules": [
{
"conditions": [

```
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            {
                                "ref": "UseDualStack"
                            },
                            true
                        ]

}
                    ],
                    "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                    "type": "error"
                },
                {
                    "conditions": [],
                    "endpoint": {
                        "url": {
                            "ref": "Endpoint"
                        },
                        "properties": {},
                        "headers": {}
                    },
                    "type": "endpoint"
                }
            ],
            "type": "tree"

        }
        ],
        "type": "tree"
    },
    {
        "conditions": [],
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "isSet",
                        "argv": [
                            {
                                "ref": "Region"
                            }
                        ]
                    }
                ],
                "rules": [
                    {
```

"conditions": [
{

"fn": "aws.partition",
"argv": [
{
"ref": "Region"
}
],
"assign": "PartitionResult"
}
],
"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{

"ref": "UseFIPS"
},
true
]
},
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseDualStack"
},
true
]
}

],
"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
true,
{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"

```
},
                    "supportsFIPS"
                ]
            }
        ]
    },
    {
        "fn": "booleanEquals",
        "argv": [
            true,
            {
                "fn": "getAttr",
                "argv": [

                {
                    "ref": "PartitionResult"
                },
                "supportsDualStack"
                ]
            }
        ]
    }
],
"rules": [
    {
        "conditions": [],

"rules": [
            {
                "conditions": [],
                "endpoint": {
                    "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                    "properties": {},
                    "headers": {}
                },
                "type": "endpoint"
            }
        ],

"type": "tree"
    }
],
"type": "tree"
},
{
    "conditions": [],
```

"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
],
"type": "tree"
},
{

"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"
},
true
]
}
],
"rules": [
{
"conditions": [
{

"fn": "booleanEquals",
"argv": [
{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsFIPS"
]
},
true

]
}
],
"rules": [
{
"conditions": [],
"rules": [
{
"conditions": [],
"endpoint": {

"url": "https://license-manager-linux-subscriptions-fips.{Region}.{PartitionResult#dnsSuffix}",

"properties": {},

"headers": {}
},
"type": "endpoint"
}
],
"type": "tree"
}
],
"type": "tree"
},
{
"conditions": [],
"error": "FIPS is enabled but this partition does not support FIPS",
"type": "error"
}
],
"type": "tree"
},
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseDualStack"
},
true

]
}
],
"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
true,
{
"fn": "getAttr",
"argv": [
{

"ref": "PartitionResult"
},
"supportsDualStack"
]
}
]
}
],
"rules": [
{
"conditions": [],
"rules": [

{
"conditions": [],
"endpoint": {
"url": "https://license-manager-linux-subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}
],
"type": "tree"

}
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"type": "tree"
},
{
"conditions": [],
"error": "DualStack is enabled but this partition does not support DualStack",
"type": "error"
}
],
"type": "tree"
},
{
"conditions": [],
"rules": [
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-linux-subscriptions.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},
"headers": {}

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                    },
                    "type": "endpoint"
                }
            ],
            "type": "tree"
        }
    ],
    "type": "tree"
}
],
"type": "tree"
},
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"conditions": [],
"error": "Invalid Configuration: Missing Region",
"type": "error"
}
],
"type": "tree"
}
]
},
"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"

}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
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"UseDualStack": false
}
},
{

"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
}

},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{

"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{

"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",

"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
}

},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {

"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {

"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS":
false,
"UseDualStack": false
}
},

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{
  "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
  "expect": {
    "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
  },
  "params": {
    "Region": "us-isob-east-1",
    "UseFIPS": true,
    "UseDualStack": true
  }
},
{
  "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
  "expect": {
    "endpoint": {
      "url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
     }
  },
  "params": {
    "Region": "us-isob-east-1",
    "UseFIPS": true,
    "UseDualStack": false
  }
},
{
  "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
  "expect": {
    "error": "DualStack is enabled but this partition does not support DualStack"
  },
  "params": {
    "Region": "us-isob-east-1",
    "UseFIPS": false,
    "UseDualStack": true
  }
},
{

  "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
  "expect": {
    "endpoint": {
      "url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
    }
  },
  "params": {
    "Region": "us-isob-east-1",
    "UseFIPS": false,
    "UseDualStack": false
  }
```

```
            },
            {
              "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
              "expect": {
                "endpoint": {
                  "url": "https://example.com"
                }

        },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
            },
            {
              "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
              "expect": {
                "endpoint": {
                  "url": "https://example.com"
                }
              },
              "params": {
                "UseFIPS": false,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
            },
            {

              "documentation": "For custom endpoint with fips enabled and dualstack disabled",
              "expect": {
                "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
              },
              "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
              }
            },
            {
              "documentation": "For custom endpoint with fips disabled and dualstack enabled",
              "expect": {
                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
              },
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"params": {

"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled LinuxSubscriptionsDiscovery"

},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled LinuxSubscriptionsDiscovery"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
"type": "structure",
"members": {
"SourceRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Regions in which to discover data for Linux subscriptions. ",
"smithy.api#required": {}
}
},

"OrganizationIntegration": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
"traits": {
"smithy.api#documentation":
" Details if you have enabled resource discovery across your accounts in Organizations. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Lists the settings defined for discovering Linux subscriptions. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},

{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptionInstances"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Instances"
}

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":
{
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>An array of structures that you can use to filter the results by your
specified criteria. \n    \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the
\n    \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n
\t<code>Value</code>, such as <code>us-west</code>.</p>\n        <p>For each filter, you can specify one of the
following values for the <code>Name</code> key \n    \tto streamline results:</p>\n        <ul>\n            <li>\n
  <p>\n                <code>AccountID</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
      <code>AmiID</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>DualSubscription</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>InstanceID</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>InstanceType</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>ProductCode</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>Region</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>Status</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>UsageOperation</code>\n            </p>\n            </li>\n        </ul>\n        <p>For each filter, you can use
one of the following <code>Operator</code>
 values to \n  \t\tdefine the behavior of the filter:</p>\n        <ul>\n            <li>\n            <p>\n
<code>contains</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>equals</code>\n            </p>\n            </li>\n            <li>\n            <p>\n
<code>Notequal</code>\n            </p>\n            </li>\n        </ul>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
                }
            },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to
 start paginating. This \n\tis the nextToken from a previously truncated response.</p>",
                    "smithy.api#length": {
                        "min": 1,
                        "max": 16384
                    }
                }
            }
        },
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"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
"type": "structure",
"members": {
"Instances": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
"traits": {
"smithy.api#documentation": " An array that contains instance objects. "
}
},
"NextToken": {

"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations. ",

"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptions"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",

"items": "Subscriptions"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't match a certain subscription's name. \n The valid names for this filter are: \n \n \n \n <code>Subscription</code>\n \n \n \n The
valid Operators for this filter are: \n \n \n \n <code>contains</code>\n \n \n \n \n <code>equals</code>\n \n \n \n \n <code>Notequal</code>\n \n \n "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum items to return in a request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This \n\tis
the nextToken from a previously truncated response. ",
"smithy.api#length": {
"min": 1,
"max": 16384
}

```
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
        "type": "structure",
        "members": {
          "Subscriptions": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
            "traits": {
              "smithy.api#documentation": "<p>An array that contains subscription objects.</p>"
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
             "traits": {
              "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
          },
          {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
          }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>List Bring Your Own License (BYOL) subscription registration
resources for your account.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/ListRegisteredSubscriptionProviders"
            },
            "smithy.api#idempotent": {},
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "RegisteredSubscriptionProviders"
            }
        }

    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSources": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
                "traits": {
                    "smithy.api#documentation": "<p>To filter your results, specify which subscription providers to
return \n\t\t\tin the list.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum items to return in a request.</p>",
                    "smithy.api#range": {
                        "min": 1,
                        "max": 100
                    }
                }

  },
            "NextToken": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis the
nextToken from a previously truncated response.</p>"
                }
            }
        },
```

"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
"type": "structure",
"members": {
"RegisteredSubscriptionProviders": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
"traits": {
"smithy.api#documentation": " The list of BYOL registration resources that fit the criteria \n\t\t\tyou specified in the request. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],

"traits": {
"smithy.api#documentation": " List the metadata tags that are assigned to the \n\t\t\tspecified Amazon Web Services resource. ",
"smithy.api#http": {
"method": "GET",
"uri": "/tags/{resourceArn}"
},
"smithy.api#readonly": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"resourceArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource for which to list metadata tags. ",
"smithy.api#httpLabel": {},
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
"type": "structure",
"members": {
"tags": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The metadata tags for the requested resource. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "EQUAL",
"value": "Equal",

"documentation": "Equal operator"
},
{
"name": "NOT_EQUAL",
"value": "NotEqual",
"documentation": "Not equal operator"
},
{
"name": "CONTAINS",
"value": "Contains",
"documentation": "Contains operator"
}
],
"smithy.api#length": {
"min": 1,
"max": 20
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
"type": "string",
"traits": {
"smithy.api#enum": [
{
"name": "Enabled",
"value": "Enabled",
"documentation": "Enabled OrganizationIntegration"
},
{
"name": "Disabled",
"value": "Disabled",
"documentation": "Disabled OrganizationIntegration"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
"type": "list",
"member": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"

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        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Register the supported third-party subscription provider for your Bring
Your Own License (BYOL) subscription.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/RegisterSubscriptionProvider"

            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {
        "type": "structure",
        "members": {
            "SubscriptionProviderSource": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
                "traits": {
                    "smithy.api#documentation": "<p>The supported Linux subscription provider to register.</p>",
                    "smithy.api#required": {}
                }
            },
            "SecretArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the secret where you've
stored your subscription provider's access token. For \n\t\t\tRHEL subscriptions managed through the
Red Hat Subscription Manager (RHSM), the secret contains \n\t\t\tyour Red Hat Offline token.</p>",
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
```

"traits": {
"smithy.api#documentation": " The metadata tags to assign to your registered Linux subscription provider \n\t\t\tresource. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
"type": "structure",
"members": {
"SubscriptionProviderSource": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
"traits": {
"smithy.api#documentation": " The Linux subscription provider that you registered. "
}
},
"SubscriptionProviderArn": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "
}
},
"SubscriptionProviderStatus": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
"traits": {
"smithy.api#documentation": " Indicates the status of the registration action for the Linux subscription provider \n\t\t\tthat you requested. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider": {
"type": "structure",
"members": {
"SubscriptionProviderArn": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. "

```
            }
        },
        "SubscriptionProviderSource": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
            "traits": {
                "smithy.api#documentation": "<p>A supported third-party Linux subscription provider. License
Manager currently supports \n\t\t\tRed Hat subscriptions.</p>"
            }
        },
        "SecretArn": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
             "traits": {
                "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Secrets Manager secret
that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is
the offline token.</p>"
            }
        },
        "SubscriptionProviderStatus": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
            "traits": {
                "smithy.api#documentation": "<p>Indicates the status of your registered Linux subscription provider
access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions,
\n\t\t\tthis is the status of the offline token.</p>"
            }
        },
        "SubscriptionProviderStatusMessage": {
            "target": "smithy.api#String",
            "traits":
 {
                "smithy.api#documentation": "<p>A detailed message that's associated with your BYOL subscription
\n\t\t\tprovider token status.</p>"
            }
        },
        "LastSuccessfulDataRetrievalTime": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The timestamp from the last time that License Manager accessed
third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>A third-party provider for operating system (OS) platform software and
license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider,
License Manager can get subscription data from the registered provider.</p>"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
```

```
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Unable to find the requested Amazon Web Services resource.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-
\\.]{0,63}:secret:[^/]{1,1023}$"

    }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "InProgress",
                    "value": "InProgress",
                    "documentation": "InProgress status"
                },
                {
                    "name": "Completed",
                    "value": "Completed",
                    "documentation": "Completed status"
                },
                {
                    "name": "Successful",
                    "value": "Successful",
                    "documentation": "Successful status"
                },
                {
                    "name": "Failed",
                    "value": "Failed",
```

"documentation": "Failed status"
}
]
}
},

"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}
}
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
},
"smithy.api#uniqueItems": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
"type": "map",
"key": {
"target": "smithy.api#String"
},
"value": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
"type": "structure",
"members": {
"Name":
{
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the subscription. "
}
},
"Type": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of subscription. The type can be subscription-included

with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS. "
}
},
"InstanceCount": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
"traits": {
"smithy.api#documentation": " The total amount of running instances using this subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " An object which details a discovered Linux subscription. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
"type": "string",
"traits": {
"smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
"type": "string",
"traits": {
"smithy.api#enum": [

{
"name": "RedHat",
"value": "RedHat",
"documentation": "RedHat subscription provider namespace"
}
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
}

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "ACTIVE",
                    "value": "ACTIVE",
                    "documentation": "ACTIVE status"
                },
                {
                    "name": "INVALID",
                    "value": "INVALID",

"documentation": "INVALID status"
                },
                {
                    "name": "PENDING",
                    "value": "PENDING",
                    "documentation": "PENDING status"
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
        "type": "list",
        "member": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Add metadata tags to the specified Amazon Web Services
resource.</p>",
            "smithy.api#http": {
                "method": "PUT",
                "uri": "/tags/{resourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
        "type": "structure",
        "members":
 {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to which to add the specified \n\t\t\tmetadata tags.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "tags": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation": "<p>The metadata tags to assign to the Amazon Web Services resource.
Tags are \n\t\t\tformatted as key value pairs.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }

    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
        "type": "structure",
        "members": {},
```

```
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
        "value": {
            "target": "smithy.api#String"
        },
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            },
            "smithy.api#sensitive": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation":
"<p>The request was denied due to request throttling.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
            }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web
Services resource.</p>",
             "smithy.api#http": {
                "method": "DELETE",
                "uri": "/tags/{resourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
        "type": "structure",
        "members": {
            "resourceArn": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to remove the metadata tags from.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "tagKeys": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
                "traits": {

            "smithy.api#documentation": "<p>A list of metadata tag keys to remove from the requested
\n\t\t\tresource.</p>",
                    "smithy.api#httpQuery": "tagKeys",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
        "type": "operation",
        "input": {
```

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"

},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates the service settings for Linux subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/UpdateServiceSettings"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Describes if the discovery of Linux subscriptions is enabled. ",
"smithy.api#required": {}
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. ",
"smithy.api#required": {}
}
},
"AllowUpdate": {
"target":

"smithy.api#Boolean",
"traits": {
"smithy.api#documentation": " Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
"traits": {
"smithy.api#documentation": " A message which details the Linux subscriptions service settings current status. "
}

},
"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}

```
            }
        },
        "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
            "type": "structure",
            "members": {
                "message": {
                    "target": "smithy.api#String"
                }
            },
            "traits": {
                "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
                "smithy.api#error": "client"
            }
        }
    }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }
```

```
 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
```

```
err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack,
 c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addCredentialSource(stack, options); err != nil {
  return err
 }
 if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack);
 err != nil {
  return err
```

```
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}
```

```
type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
```

```
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack,
 options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
```

```
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack,
c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addCredentialSource(stack, options); err != nil {
 return err
}
if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
 return err
}
```

```
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack);
 err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
CreateLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
```

SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
SetCredentialSourceMiddleware
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
spanRetryLoop
Retry
RetryMetricsHeader
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
GetLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput

ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
SetCredentialSourceMiddleware
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
spanRetryLoop
Retry
RetryMetricsHeader
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger

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{
  "smithy": "2.0",
  "shapes": {
    "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
      "type": "structure",
      "members": {
        "message": {
          "target": "smithy.api#String"
        }
      },
      "traits": {
        "smithy.api#documentation": " You don't have sufficient access to perform this action. ",
        "smithy.api#error": "client"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
      "type": "structure",
      "members": {
        "DirectoryId": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#Directory",
          "traits": {
            "smithy.api#documentation": " The directory ID for an Active Directory identity provider. "
          }
        },
        "ActiveDirectorySettings":
{
          "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings",
          "traits": {
            "smithy.api#documentation": " The <code>ActiveDirectorySettings</code> resource contains
details about \n\t\t\tthe Active Directory, including network access details such as domain name and IP
\n\t\t\taddresses, and the credential provider for user administration. "
          }
        },
        "ActiveDirectoryType": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType",
          "traits": {
            "smithy.api#documentation": " The type of Active Directory either a self-managed Active

Directory or an \n\t\t\tAmazon Web Services Managed Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about an Active Directory identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings": {
"type": "structure",
"members": {
"DomainName": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name for the Active Directory. "
}
},
"DomainIpv4List": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IpV4List",
"traits": {
"smithy.api#documentation": " A list of domain IPv4 addresses that are used for the Active Directory. ",
"smithy.api#length": {
"min": 1,
"max": 2
}
}
},
"DomainCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
"traits": {
"smithy.api#documentation": " Points to the <code>CredentialsProvider</code> resource that contains \n\t\t\tinformation about the credential provider for user administration. "
}
},
"DomainNetworkSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings",
"traits": {
"smithy.api#documentation": " The <code>DomainNetworkSettings</code> resource contains an array of \n\t\t\tsubnets that apply for the Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains network access and credential details that are needed for \n\t\t\tuser administration in the Active Directory. "

```
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType":
{
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "SELF_MANAGED",
                    "value": "SELF_MANAGED",
                    "documentation": "SELF_MANAGED type of Active Directory"
                },
                {
                    "name": "AWS_MANAGED",
                    "value": "AWS_MANAGED",
                    "documentation": "AWS_MANAGED type of Active Directory"
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Arn": {
        "type": "string",
        "traits": {
            "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-
zA-Z0-9-\\.]{1,510}/[a-zA-Z0-9-\\.]{1,510}$"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUser":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Associates the user to an EC2 instance to utilize user-based
subscriptions.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related
costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing
status) in Amazon Web Services Billing. For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n\t\t\t\tmonthly
charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
            "smithy.api#http":
 {
                "code": 200,
                "method": "POST",
                "uri": "/user/AssociateUser"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance that provides the user-based
subscription.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
```

"smithy.api#documentation": " The identity provider for the user. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains information for the user to associate. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply for the user association. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the associate user operation. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
"type": "integer"
},
"com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},

"traits": {
"smithy.api#documentation": " The request couldn't be completed because it conflicted with the current state of the\n\t\t\tresource. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},

{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a network endpoint for the Remote Desktop Services (RDS) license server. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/CreateLicenseServerEndpoint"
},
"smithy.api#idempotent": {}
}

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest": {
      "type": "structure",
      "members": {
        "IdentityProviderArn": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
          "traits": {
            "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the
<code>IdentityProvider</code> resource that contains details \n\t\t\tabout a registered identity provider. In the case
of Active Directory, that can be \n\t\t\ta self-managed Active Directory or an Amazon Web Services Managed
Active Directory that contains user identity details.</p>",
            "smithy.api#required": {}
          }
        },
        "LicenseServerSettings": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings",
          "traits": {
            "smithy.api#documentation": "<p>The <code>LicenseServerSettings</code> resource to create for
the endpoint. The \n\t\t\tsettings include the type of license server and the Secrets Manager secret that \n\t\t\tenables
administrators to add or remove users associated with the \n\t\t\tlicense server.</p>",
            "smithy.api#required": {}
          }
        },
        "Tags": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
          "traits": {
            "smithy.api#documentation": "<p>The tags that apply for the license server endpoint.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse":
{
      "type": "structure",
      "members": {
        "IdentityProviderArn": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
          "traits": {
            "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider
specified in the request.</p>"
          }
        },
        "LicenseServerEndpointArn": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
          "traits": {
```

"smithy.api#documentation": " The ARN of the <code>LicenseServerEndpoint</code> resource. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider": {
"type": "union",
"members": {
"SecretsManagerCredentialsProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider",
"traits": {
"smithy.api#documentation": " Identifies the Secrets Manager secret that contains credentials needed for \n\t\t\tuser administration in the Active Directory. "
}
}
},
"traits": {
"smithy.api#documentation": " Contains information about the credential provider for user \n\t\t\tadministration. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"

}
],
"traits": {
"smithy.api#documentation": " Deletes a <code>LicenseServerEndpoint</code> resource. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/DeleteLicenseServerEndpoint"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest": {
"type": "structure",
"members": {
"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the
<code>LicenseServerEndpoint</code> \n\t\t\tresource to delete. ",
"smithy.api#required": {}
}
},
"ServerType": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of License Server that the delete request refers to. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse": {
"type": "structure",
"members": {
"LicenseServerEndpoint": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint",

"traits": {
"smithy.api#documentation": " Shows details from the <code>LicenseServerEndpoint</code> resource that was deleted. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deregisters the Active Directory identity provider from License Manager user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/DeregisterIdentityProvider"

```
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest":
 {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the Active Directory identity
provider.</p>"
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code> |
\n<code>REMOTE_DESKTOP_SERVICES</code>\n        </p>"
                }
            },
            "IdentityProviderArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
                 "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the identity
provider to deregister.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
        "type": "structure",
        "members": {
            "IdentityProviderSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
                "traits": {
                    "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",
                    "smithy.api#required": {}
                }
            }
        },
```

"traits": {
"smithy.api#output": {}

}
},
"com.amazonaws.licensemanagerusersubscriptions#Directory": {
"type": "string",
"traits": {
"smithy.api#pattern": "^(d|sd)-[0-9a-f]{10}$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Disassociates the user from an EC2 instance providing user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",

"uri": "/user/DisassociateUser"
},
"smithy.api#idempotent": {}

}
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the Active Directory identity provider for the user. "
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance which provides user-based subscriptions. "
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the Active Directory identity provider. "
}
},
"InstanceUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the user to disassociate from the EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains information for the user to disassociate. "
}
}
},
"traits": {
"smithy.api#input": {}
}

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
      "type": "structure",
      "members": {
        "InstanceUserSummary":
{
          "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
          "traits": {
            "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings": {
      "type": "structure",
      "members": {
        "Subnets": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
          "traits": {
            "smithy.api#documentation": "<p>Contains a list of subnets that apply for the Active Directory
domain.</p>",
            "smithy.api#length": {
              "min": 1
            },

   "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Contains network settings for the Active Directory domain.</p>"
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Filter": {
      "type": "structure",
      "members": {
        "Attribute": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The name of an attribute to use as a filter.</p>"
          }
        },
        "Operation": {
          "target": "smithy.api#String",
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"traits": {
"smithy.api#documentation": " The type of search (For example, eq, geq, leq) "
}
},
"Value": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " Value of the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used to return more specific results from a describe\n\t\t\tor list operation. You can use filters can be used to match a set of resources by specific \n\t\t\tcriteria, such as tags, attributes, or IDs. "
}
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"com.amazonaws.licensemanagerusersubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
}
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"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
"type": "union",
"members": {
"ActiveDirectoryIdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
"traits": {
"smithy.api#documentation": " The <code>ActiveDirectoryIdentityProvider</code> resource contains settings \n\t\t\tand other details about a specific Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation": " Refers to an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The <code>IdentityProvider</code> resource contains information about \n\t\t\tan identity provider. ",
"smithy.api#required": {}

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            }
        },
        "Settings": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
            "traits": {
                "smithy.api#documentation": "<p>The <code>Settings</code> resource contains details about the
registered \n\t\t\tidentity providers product related configuration settings, such as the \n\t\t\tsubnets to provision VPC
endpoints.</p>",
                "smithy.api#required": {}
            }
        },
        "Product": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                "smithy.api#required": {}
            }
        },
        "Status": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The status of the
identity provider.</p>",
                "smithy.api#required": {}
            }
        },
        "IdentityProviderArn": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
            "traits": {
                "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider.</p>"
            }
        },
        "FailureMessage": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The failure message associated with an identity provider.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes an identity provider.</p>"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
    "type": "list",
    "member": {
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"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of an EC2 instance resource. ",
"smithy.api#required": {}
}
},
"Products": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
"traits": {
"smithy.api#documentation": " A list of provided user-based subscription products. ",
"smithy.api#required": {}
}
},
"LastStatusCheckDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date of the last status check. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for an EC2 instance. "
}
}
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"traits": {
"smithy.api#documentation": " Describes an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {
"type": "list",

"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
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"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance that provides user-based subscriptions. ",
"smithy.api#required": {}
}
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"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The <code>IdentityProvider</code> resource specifies details \n\t\t\tabout the identity provider. ",
"smithy.api#required": {}
}
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"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a user associated with an EC2 instance. ",
"smithy.api#required": {}
}
},
"InstanceUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) that identifies the instance user. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The status message for users of an EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains the user information for the product subscription. "
}
},
"AssociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was associated with an EC2 instance. "
}
},
"DisassociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was disassociated from an EC2 instance. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes users of an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " An exception occurred with the service. ",
"smithy.api#error": "server",
"smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanagerusersubscriptions#IpV4": {

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    "type": "string",
    "traits": {
        "smithy.api#pattern": "^(?:(25[0-5]|2[0-4][0-9]|1[0-9][0-9]|[1-9][0-9]|[0-9])(\\.(?!$)|$)){4}$"
    }
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"com.amazonaws.licensemanagerusersubscriptions#IpV4List": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#IpV4"
    }
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"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
    "type": "service",
    "version": "2018-05-10",
    "operations": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"
        },
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        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#TagResource"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResource"
        },
        {

"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
        }
      ],
      "traits": {
        "aws.api#service": {
          "sdkId": "License Manager User Subscriptions",
          "arnNamespace": "license-manager-user-subscriptions",
          "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
        },
        "aws.auth#sigv4": {
          "name": "license-manager-user-subscriptions"
        },
        "aws.protocols#restJson1": {},
        "smithy.api#cors": {
          "additionalAllowedHeaders": [
            "*",
            "content-type",
            "x-amz-content-sha256",
            "x-amz-user-agent",
            "x-amzn-platform-id",
            "x-amzn-trace-id",
            "content-length",

       "x-api-key",
            "authorization",
            "x-amz-date",
            "x-amz-security-token",
            "Access-Control-Allow-Headers",
            "Access-Control-Allow-Methods",
            "Access-Control-Allow-Origin"
          ],
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"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n\t\ta per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region":
{
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
},
"rules": [
{
"conditions": [
{
"fn": "isSet",

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                "argv": [
                  {
                    "ref": "Endpoint"
                  }
                ]
              }
            ],
            "rules": [
              {
                "conditions": [
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      {
                        "ref": "UseFIPS"
                      },
                      true
                    ]
                  }
                ],
                "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                "type": "error"
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              {
                "conditions": [
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                    "fn": "booleanEquals",
                    "argv": [
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                        "ref": "UseDualStack"
                      },
                      true
                    ]
                  }
                ],
                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                "type": "error"
              },
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                "conditions": [],
                "endpoint": {
                  "url": {
                    "ref": "Endpoint"
                  },

"properties": {},
                  "headers": {}
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                    },
                    "type": "endpoint"
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            "type": "tree"
        },
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            "conditions": [
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                    "fn": "isSet",
                    "argv": [
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                            "ref": "Region"
                        }
                    ]
                }
            ],
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                    "conditions": [
                        {
                            "fn": "aws.partition",

                        "argv": [
                            {
                                "ref": "Region"
                            }
                            ],
                            "assign": "PartitionResult"
                        }
                    ],
                    "rules": [
                        {
                            "conditions": [
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                                    "fn": "booleanEquals",
                                    "argv": [
                                        {
                                            "ref": "UseFIPS"
                                        },

true
                                    ]
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                                    "fn": "booleanEquals",
                                    "argv": [
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"ref": "UseDualStack"
},
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]
}
],
"rules": [
{
"conditions": [
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"fn": "booleanEquals",
"argv": [
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{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsFIPS"
]
}
]
},

{
"fn": "booleanEquals",
"argv": [
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{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsDualStack"
]
}

]
}
],
"rules": [
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-user-subscriptions-

fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}

],
"type": "tree"
},
{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
],
"type": "tree"
},
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [

{
"ref": "UseFIPS"
},
true
]
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],
"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"fn": "getAttr",
"argv": [

{
"ref": "PartitionResult"
},
"supportsFIPS"
]
},

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                    true
                ]
            }
        ],
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            {
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                "endpoint": {

"url": "https://license-manager-user-subscriptions-fips.{Region}.{PartitionResult#dnsSuffix}",
                    "properties": {},
                    "headers": {}
                },
                "type": "endpoint"
            }
        ],
        "type": "tree"
    },
    {
        "conditions": [],
        "error": "FIPS is enabled but this partition does not support FIPS",
        "type": "error"

}
    ],
    "type": "tree"
},
{
    "conditions": [
        {
            "fn": "booleanEquals",
            "argv": [
                {
                    "ref": "UseDualStack"
                },
                true
            ]
        }
    ],
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"conditions": [
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                    "fn": "booleanEquals",
                    "argv": [
                        true,
                        {
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"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsDualStack"
]

}
]
}
],
"rules": [
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-user-subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
"properties": {},
"headers": {}
},
"type": "endpoint"
}

],
"type": "tree"
},
{
"conditions": [],
"error": "DualStack is enabled but this partition does not support DualStack",
"type": "error"
}
],
"type": "tree"
},
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-user-subscriptions.{Region}.{PartitionResult#dnsSuffix}",

"properties": {},
"headers": {}
},
"type": "endpoint"
}
],
"type": "tree"

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                }
            ],
            "type": "tree"
        },
        {
            "conditions": [],
            "error": "Invalid Configuration: Missing Region",
            "type": "error"
        }
    ]
},
"smithy.rules#endpointTests": {
    "testCases": [
        {
            "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
            "expect":
{
                "endpoint": {
                    "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
                }
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": true
            }
        },
        {
            "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
            "expect": {
                "endpoint": {
                    "url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
                }
            },
            "params": {
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                "UseDualStack": false
            }
        },
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            "expect": {
                "endpoint": {
                    "url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
                }
            },
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"params": {
"Region": "us-east-1",
"UseFIPS": false,
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"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint":
{
"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS":
true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},

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{
  "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
  "expect": {
    "endpoint":
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      "url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
    }
  },
  "params": {
    "Region": "cn-north-1",
    "UseFIPS": false,
    "UseDualStack": true
  }
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  "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
  "expect": {
    "endpoint": {
      "url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
    }
  },
  "params": {
    "Region": "cn-north-1",
    "UseFIPS": false,
     "UseDualStack": false
  }
},
{
  "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
  "expect": {
    "endpoint": {
      "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
    }
  },
  "params": {
    "Region": "us-gov-east-1",
    "UseFIPS": true,
    "UseDualStack": true
  }
},
{
  "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
  "expect": {
    "endpoint":
{
      "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
    }
  },
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"params": {
"Region": "us-gov-east-1",
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"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS
and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {

"url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false

}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
}

},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
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"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack

disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",

"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {

"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,

"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"

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                }
            }
        ],
        "version": "1.0"
    }
  }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServer": {
  "type": "structure",
  "members": {
    "ProvisioningStatus": {
      "target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
       "traits": {
        "smithy.api#documentation": "<p>The current state of the provisioning process for the RDS
\n\t\t\tlicense server.</p>"
      }
    },
    "HealthStatus": {
      "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus",
      "traits": {
        "smithy.api#documentation": "<p>The health status of the RDS license server.</p>"
      }
    },
    "Ipv4Address": {
      "target": "smithy.api#String",
      "traits": {
        "smithy.api#documentation": "<p>A list of domain IPv4 addresses that are used for the RDS
\n\t\t\tlicense server.</p>"
      }
    }
  },
  "traits": {
    "smithy.api#documentation": "<p>Information
 about a Remote Desktop Services (RDS) license server.</p>"
  }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint": {
  "type": "structure",
  "members": {
    "IdentityProviderArn": {
      "target": "smithy.api#String",
      "traits": {
        "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider that's
associated with \n\t\t\tthe RDS license server endpoint.</p>"
      }
    },
    "ServerType": {
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"target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
"traits": {
"smithy.api#documentation": " The type of license server. "
}
},
"ServerEndpoint": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint",

"traits": {
"smithy.api#documentation": " The <code>ServerEndpoint</code> resource contains the network \n\t\t\taddress of the RDS license server endpoint. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The message associated with the provisioning status, if there is one. "
}
},
"LicenseServerEndpointId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId",
"traits": {
"smithy.api#documentation": " The ID of the license server endpoint. "
}
},
"LicenseServerEndpointArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits":
{
"smithy.api#documentation": " The ARN of the <code>ServerEndpoint</code> resource for the RDS \n\t\t\tlicense server. "
}
},
"LicenseServerEndpointProvisioningStatus": {
"target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
"traits": {
"smithy.api#documentation": " The current state of the provisioning process for the RDS license \n\t\t\tserver endpoint "
}
},
"LicenseServers": {
"target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerList",
"traits": {
"smithy.api#documentation": " An array of <code>LicenseServer</code> resources that represent the \n\t\t\tlicense servers that are accessed through this endpoint. "
}

```
            },

            "CreationTime": {
                "target": "smithy.api#Timestamp",
                "traits": {
                    "smithy.api#documentation": "<p>The timestamp when License Manager created the license server
endpoint.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Contains details about a network endpoint for a Remote Desktop
Services (RDS) \n\t\t\tlicense server.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId": {
        "type": "string"
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus": {

  "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "PROVISIONING",
                    "value": "PROVISIONING",
                    "documentation": ""
                },
                {
                    "name": "PROVISIONING_FAILED",
                    "value": "PROVISIONING_FAILED",
                    "documentation": ""
                },
                {
                    "name": "PROVISIONED",
                    "value": "PROVISIONED",
                    "documentation": ""
                },
                {
                    "name": "DELETING",
                    "value": "DELETING",
                    "documentation": ""
```

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            },
            {
                "name": "DELETION_FAILED",
                "value": "DELETION_FAILED",
                "documentation": ""

            },
            {
                "name": "DELETED",
                "value": "DELETED",
                "documentation": ""
            }
        ]
    }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus": {
    "type": "string",
    "traits": {
        "smithy.api#enum": [
            {
                "name": "HEALTHY",
                "value": "HEALTHY",
                "documentation": ""
            },
            {
                "name": "UNHEALTHY",
                "value": "UNHEALTHY",
                "documentation": ""
            },
            {
                "name": "NOT_APPLICABLE",
                "value": "NOT_APPLICABLE",
                "documentation": ""
            }
        ]
    }
},
 "com.amazonaws.licensemanagerusersubscriptions#LicenseServerList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServer"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings": {
    "type": "structure",
    "members": {
        "ServerType": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
```

"traits": {
"smithy.api#documentation": " The type of license server. ",
"smithy.api#required": {}
}
},
"ServerSettings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ServerSettings",
"traits": {
"smithy.api#documentation": " The <code>ServerSettings</code> resource contains the settings
for
your \n\t\t\tserver. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The settings to configure your license server. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Active Directory identity providers for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/ListIdentityProviders"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "IdentityProviderSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single request. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Product \n \n \n DirectoryId \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}

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    },
    "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse": {
      "type": "structure",
      "members": {
        "IdentityProviderSummaries": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",

        "traits": {
            "smithy.api#documentation": "<p>An array of <code>IdentityProviderSummary</code> resources
that contain \n\t\t\tdetails about the Active Directory identity providers that meet the request criteria.</p>",
            "smithy.api#required": {}
          }
        },
        "NextToken": {
          "target": "smithy.api#String",
          "traits": {
            "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to retrieve additional objects.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
      "type": "operation",
       "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},

{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the EC2 instances providing user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/instance/ListInstances"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "InstanceSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
"type": "structure",
"members":
{
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single
request. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n
\n \n Status \n \n

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<li>\n            <p>InstanceId</p>\n          </li>\n        </ul>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
        "type": "structure",
        "members": {
          "InstanceSummaries": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
            "traits": {
              "smithy.api#documentation": "<p>An array of <code>InstanceSummary</code> resources that
contain details \n\t\t\tabout the instances that provide user-based subscriptions and also meet the \n\t\t\trequest
criteria.</p>"
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The next
 token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service
hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
           },
          {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " List the Remote Desktop Services (RDS) License Server endpoints
",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/license-server/ListLicenseServerEndpoints"
},

"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "LicenseServerEndpoints"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest": {
"type": "structure",
"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " The maximum number of results to return from a single
request. ",
"smithy.api#range": {
"min": 1,
"max": 100
}
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " You can use the following filters to streamline results: \n
\n \n IdentityProviderArn \n \n "

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            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse": {
    "type": "structure",
    "members": {
        "LicenseServerEndpoints": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList",
             "traits": {
                "smithy.api#documentation": "<p>An array of <code>LicenseServerEndpoint</code> resources that
\n\t\t\tcontain detailed information about the RDS License Servers that meet \n\t\t\tthe request criteria.</p>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to retrieve additional objects.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
    "type":
 "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"
    },
    "errors": [
        {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the user-based subscription products available from an identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/ListProductSubscriptions"
},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "ProductUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
"type": "structure",
"members": {
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code> | \n<code>REMOTE_DESKTOP_SERVICES</code>\n "

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            }
        },
        "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
                "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                "smithy.api#required": {}
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
            }
        },
        "Filters": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
            "traits": {
                "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
<ul>\n        <li>\n        <p>Status</p>\n        </li>\n        <li>\n        <p>Username</p>\n
</li>\n        <li>\n        <p>Domain</p>\n        </li>\n        </ul>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>A token to specify where to start paginating.
 This is the nextToken \n\tfrom a previously truncated response.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
    "type": "structure",
    "members": {
        "ProductUserSummaries": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
            "traits": {
                "smithy.api#documentation": "<p>Metadata that describes the list product subscriptions
operation.</p>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
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"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service
hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target":
"com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Returns the list of tags for the specified resource. ",
"smithy.api#http": {
"method": "GET",
"uri": "/tags/{ResourceArn}"
},
"smithy.api#readonly": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the resource whose tags you want to retrieve. ",

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            "smithy.api#httpLabel": {},
            "smithy.api#required": {}

     }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse": {
    "type": "structure",
    "members": {
        "Tags": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
            "traits": {
                "smithy.api#documentation": "<p>The tags for the specified resource.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
     },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/ListUserAssociations"
            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "InstanceUserSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which
provides user-based subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
                }
            },
            "Filters": {
```

"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {

"smithy.api#documentation": " You can use the following filters to streamline results: \n \n \n Status \n \n \n Username \n \n \n Domain \n \n "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " A token to specify where to start paginating. This is the nextToken \n\tfrom a previously truncated response. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
"type": "structure",
"members": {
"InstanceUserSummaries": {

"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list user association operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The next token used for paginated responses. When this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to retrieve additional objects. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
"type": "structure",
"members": {
"Username":

{
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for this product user. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a product for this user. ",
"smithy.api#required": {}
}
},
"ProductUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) for this product user. "
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for a product for this user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The domain name of the Active Directory that contains the user information for the product subscription. "
}

```
            },
            "SubscriptionStartDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The start date of a subscription.</p>"
                }
            },
            "SubscriptionEndDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The end date of a subscription.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A summary of the user-based subscription products for a specific
user.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
        "type":
 "list",
        "member": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings": {
        "type": "structure",
        "members": {
            "RdsSalCredentialsProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
                "traits": {
                    "smithy.api#documentation": "<p>The <code>CredentialsProvider</code> resource contains a
reference to \n\t\t\tthe credentials provider that's used for RDS license server user administration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Server settings that are specific to a Remote Desktop Services (RDS)
license server.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider":
 {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
```

```
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target":
 "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/RegisterIdentityProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {

    "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider to
 register.</p>",
                    "smithy.api#required": {}
```

```
            }
        },
        "Product": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code> |
\n<code>REMOTE_DESKTOP_SERVICES</code>\n        </p>",
                "smithy.api#required": {}
            }
        },
        "Settings": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
            "traits":
 {
                "smithy.api#documentation": "<p>The registered identity providers product related configuration
\n\t\t\tsettings such as the subnets to provision VPC endpoints.</p>"
            }
        },
        "Tags": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
            "traits": {
                "smithy.api#documentation": "<p>The tags that apply to the identity provider's registration.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
    "type": "structure",
    "members": {
        "IdentityProviderSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
            "traits": {
                "smithy.api#documentation":
 "<p>Metadata that describes the results of an identity provider operation.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceArn": {
```

"type": "string",
"traits": {
"smithy.api#pattern": "^arn:([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,510})/([a-z0-9-\\.]{1,510})$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The resource couldn't be found. ",

"smithy.api#error": "client",
"smithy.api#httpError": 404
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider": {
"type": "structure",
"members": {
"SecretId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the Secrets Manager secret that contains credentials. ",
"smithy.api#length": {
"min": 1
}
}
}
},
"traits": {
"smithy.api#documentation": " Contains a credentials secret that's stored in Secrets Manager. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
"type": "string",
"traits": {
"smithy.api#length": {

"min": 5,
"max": 200
},
"smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
}

```
    },
    "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint": {
        "type": "structure",
        "members": {
            "Endpoint": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The network address of the endpoint.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>A network endpoint through which you can access one or more
servers.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ServerSettings": {
        "type": "union",
        "members": {
            "RdsSalSettings": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#RdsSalSettings",
                 "traits": {
                    "smithy.api#documentation": "<p>The <code>RdsSalSettings</code> resource contains settings to
configure \n\t\t\ta specific Remote Desktop Services (RDS) license server.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Contains settings for a specific server.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ServerType": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "RDS_SAL",
                    "value": "RDS_SAL",
                    "documentation": ""
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
        "type": "structure",
        "members": {
            "message": {
```

"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request failed because a service quota is exceeded. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Settings": {
"type": "structure",
"members": {
"Subnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The subnets defined for the registered identity provider. ",
"smithy.api#length": {
"min": 1
},
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",

"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688 communication between resources in\n\t\t\tyour VPC and the VPC endpoint for activation servers. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings such as the\n\t\t\tsubnets to provision VPC endpoints, and the security group ID that is associated with the VPC\n\t\t\tendpoints. The security group should permit inbound TCP port 1688 communication from resources\n\t\t\tin the VPC. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"

},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Starts a product subscription for a user with the specified identity provider. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your\n\t\t\t\tmonthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StartProductSubscription"
}

}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider of the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {

"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {

"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code> | \n<code>REMOTE_DESKTOP_SERVICES</code>\n ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains the user for whom to start the product \n\t\t\tsubscription. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
"traits": {
"smithy.api#documentation": " The tags that apply to the product subscription. "
}

}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
},

"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"

},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"

},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Stops a product subscription for a user with the specified identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StopProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {

"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. "
}
},
"IdentityProvider": {
"target":
"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. "
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n
Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code> |
\n<code>REMOTE_DESKTOP_SERVICES</code>\n "
}
},
"ProductUserArn": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the product user. "

}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the Active Directory that contains the user
for whom to stop the product \n\t\t\tsubscription. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",

"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}

}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StringList": {
"type": "list",
"member": {
"target": "smithy.api#String"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Subnet": {
"type": "string",
"traits": {
"smithy.api#pattern": "^subnet-[a-z0-9]{8,17}"
}
},
"com.amazonaws.licensemanagerusersubscriptions#Subnets": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
}
},
"com.amazonaws.licensemanagerusersubscriptions#TagKeyList": {
"type": "list",
"member": {
"target": "smithy.api#String"
},
"traits": {
"smithy.api#length": {

"min": 0,
"max": 50
},
"smithy.api#sensitive": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#TagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest"

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        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation":
 "<p>Adds tags to a resource.</p>",
            "smithy.api#http": {
                "method": "PUT",
                "uri": "/tags/{ResourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want
to tag.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}
                }
            },
            "Tags": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
                "traits": {
                    "smithy.api#documentation":
 "<p>The tags to apply to the specified resource.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
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```
            }
        },
        "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse": {
            "type": "structure",
            "members": {},
            "traits": {
                "smithy.api#output": {}
            }
        },
        "com.amazonaws.licensemanagerusersubscriptions#Tags": {
            "type": "map",
            "key": {
                "target": "smithy.api#String"
            },
            "value": {
                "target": "smithy.api#String"
            },
            "traits": {
                "smithy.api#length": {
                    "min": 0,
                    "max": 50
                },
                "smithy.api#sensitive": {}
            }
        },
        "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException":
 {
            "type": "structure",
            "members": {
                "message": {
                    "target": "smithy.api#String"
                }
            },
            "traits": {
                "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the
request.</p>",
                "smithy.api#error": "client"
            }
        },
        "com.amazonaws.licensemanagerusersubscriptions#UntagResource": {
            "type": "operation",
            "input": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest"
            },
            "output": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse"
            },
            "errors": [
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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {

        "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Removes tags from a resource.</p>",
            "smithy.api#http": {
                "method": "DELETE",
                "uri": "/tags/{ResourceArn}"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UntagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want
to remove tags from.</p>",
                    "smithy.api#httpLabel": {},
                    "smithy.api#required": {}

        }
            },
            "TagKeys": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#TagKeyList",
                "traits": {
                    "smithy.api#documentation": "<p>The tag keys to remove from the resource.</p>",
                    "smithy.api#httpQuery": "tagKeys",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#UntagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
```

}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates additional product configuration settings for the registered identity\n\t\t\tprovider. ",
"smithy.api#http": {

"code": 200,
"method": "POST",
"uri": "/identity-provider/UpdateIdentityProviderSettings"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider"
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. \n Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code> |

\n<code>REMOTE_DESKTOP_SERVICES</code>\n "
            }
        },

        "IdentityProviderArn": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
            "traits": {
                "smithy.api#documentation": " The Amazon Resource Name (ARN) of the identity provider to update. "
            }
        },
        "UpdateSettings": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
            "traits": {
                "smithy.api#documentation": " Updates the registered identity providers product related configuration settings. You can\n\t\t\tupdate any combination of settings in a single operation such as the: \n \n \n Subnets which you want to add to provision VPC endpoints. \n \n \n Subnets which you want to remove the VPC endpoints from. \n \n \n Security
 group ID which permits traffic to the VPC endpoints. \n \n ",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
    "type": "structure",
    "members": {
        "IdentityProviderSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
            "traits": {
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
    "type": "structure",
    "members": {
        "AddSubnets": {

"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets in which License Manager will create a VPC endpoint for products that\n\t\t\trequire connectivity to activation servers. ",
"smithy.api#required": {}
}
},
"RemoveSubnets": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
"traits": {
"smithy.api#documentation": " The ID of one or more subnets to remove. ",
"smithy.api#required": {}
}
},
"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
"traits": {
"smithy.api#documentation": " A security group ID that allows inbound TCP port 1688 communication between resources in\n\t\t\tyour VPC and the VPC endpoints for activation servers. "
}
}
},
"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related configuration settings such as\n\t\t\tthe subnets to provision VPC endpoints. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " A parameter is not valid. ",
"smithy.api#error": "client"
}
}
}
}
ListReceivedLicenses
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger

spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
SetCredentialSourceMiddleware
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
spanRetryLoop
Retry
RetryMetricsHeader
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger

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// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}
```

```
type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if
 err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
```

```
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if
 err = addCredentialSource(stack, options); err != nil {
  return err
 }
 if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
```

```
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
  return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
  return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckInLicense",
 }
}
CheckoutLicense
 Initialize stack step
  spanInitializeStart
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
  spanInitializeEnd
 Serialize stack step
  spanBuildRequestStart
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  SetCredentialSourceMiddleware
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
  spanBuildRequestEnd
 Finalize stack step
```

spanRetryLoop
Retry
RetryMetricsHeader
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger

1.7726 rfc8528-data-api 7.0.18

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* /opt/cola/permits/2322072167_1737362748.308149/0/rfc8528-data-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc8528/data/api/MountPointIdentifier.java
* /opt/cola/permits/2322072167_1737362748.308149/0/rfc8528-data-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc8528/data/api/MPIv1.java
* /opt/cola/permits/2322072167_1737362748.308149/0/rfc8528-data-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc8528/data/api/StreamWriterMountPointExtension.java
* /opt/cola/permits/2322072167_1737362748.308149/0/rfc8528-data-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc8528/data/api/YangLibraryConstants.java
* /opt/cola/permits/2322072167_1737362748.308149/0/rfc8528-data-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc8528/data/api/MountPointNode.java
* /opt/cola/permits/2322072167_1737362748.308149/0/rfc8528-data-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc8528/data/api/MountPointChild.java
* /opt/cola/permits/2322072167_1737362748.308149/0/rfc8528-data-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc8528/data/api/MountPointContextFactory.java
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1.7727 rfc7952-parser-support 7.0.18

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* /opt/cola/permits/2322072124_1737362787.6886165/0/rfc7952-parser-support-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc7952/parser/AnnotationStatementImpl.java
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1.7728 yang-model-ri 7.0.18

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* /opt/cola/permits/2322072016_1737362789.0195296/0/yang-model-ri-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/eff/ExtensionEffectiveStatementImpl.java
* /opt/cola/permits/2322072016_1737362789.0195296/0/yang-model-ri-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/eff/DeviateEffectiveStatementImpl.java
* /opt/cola/permits/2322072016_1737362789.0195296/0/yang-model-ri-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/decl/EmptyNamespaceStatement.java
* /opt/cola/permits/2322072016_1737362789.0195296/0/yang-model-ri-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/decl/RegularRequireInstanceStatement.java
* /opt/cola/permits/2322072016_1737362789.0195296/0/yang-model-ri-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/eff/RegularNamespaceEffectiveStatement.java
* /opt/cola/permits/2322072016_1737362789.0195296/0/yang-model-ri-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/decl/RegularInputStatement.java
* /opt/cola/permits/2322072016_1737362789.0195296/0/yang-model-ri-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/eff/RegularPositionEffectiveStatement.java
* /opt/cola/permits/2322072016_1737362789.0195296/0/yang-model-ri-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/decl/ImportStatementImpl.java
* /opt/cola/permits/2322072016_1737362789.0195296/0/yang-model-ri-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/decl/SubmoduleStatementImpl.java
* /opt/cola/permits/2322072016_1737362789.0195296/0/yang-model-ri-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/decl/ModuleStatementImpl.java
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jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/ref/RefGroupingStatement.java
* /opt/cola/permits/2322072016_1737362789.0195296/0/yang-model-ri-7-0-18-sources-1-

jar/org/opendaylight/yangtools/yang/model/ri/stmt/impl/ref/RefMaxElementsStatement.java

1.7729 rfc7952-model-api 7.0.18

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* /opt/cola/permits/2322072040_1737362744.437337/0/rfc7952-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc7952/model/api/AnnotationStatement.java
* /opt/cola/permits/2322072040_1737362744.437337/0/rfc7952-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc7952/model/api/AnnotationEffectiveStatement.java
* /opt/cola/permits/2322072040_1737362744.437337/0/rfc7952-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc7952/model/api/AnnotationSchemaNode.java

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* /opt/cola/permits/2322072040_1737362744.437337/0/rfc7952-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc7952/model/api/MetadataStatements.java
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* /opt/cola/permits/2322072040_1737362744.437337/0/rfc7952-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc7952/model/api/AnnotationSchemaNodeAware.java
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1.7730 rfc6536-parser-support 7.0.18

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* /opt/cola/permits/2322072088_1737362777.6177819/0/rfc6536-parser-support-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc6536/parser/DefaultDenyWriteEffectiveStatementImpl.java
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1.7731 rfc8528-data-util 7.0.18

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* /opt/cola/permits/2322072233_1737362785.557658/0/rfc8528-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc8528/data/util/AbstractDynamicMountPointContextFactory.java
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1.7732 yang-model-util 7.0.18

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* /opt/cola/permits/2322072209_1737362735.7093573/0/yang-model-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/util/package-info.java
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1.7733 yang-parser-rfc7950 7.0.18

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* /opt/cola/permits/2322072076_1737362753.5738063/0/yang-parser-rfc7950-7-0-18-sources-1-
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jar/org/opendaylight/yangtools/yang/parser/rfc7950/stmt/augment/AugmentInferenceAction.java
* /opt/cola/permits/2322072076_1737362753.5738063/0/yang-parser-rfc7950-7-0-18-sources-1-
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* /opt/cola/permits/2322072076_1737362753.5738063/0/yang-parser-rfc7950-7-0-18-sources-1-
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* /opt/cola/permits/2322072076_1737362753.5738063/0/yang-parser-rfc7950-7-0-18-sources-1-
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1.7735 yang-parser-reactor 7.0.18

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1.7736 concepts 7.0.18

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* /opt/cola/permits/2322071986_1737362802.614729/0/concepts-7-0-18-sources-1-jar/org/opendaylight/yangtools/concepts/PrettyTree.java
* /opt/cola/permits/2322071986_1737362802.614729/0/concepts-7-0-18-sources-1-jar/org/opendaylight/yangtools/concepts/PrettyTreeAware.java
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* /opt/cola/permits/2322071986_1737362802.614729/0/concepts-7-0-18-sources-1-jar/org/opendaylight/yangtools/concepts/ExtensibleObject.java

1.7737 rfc7952-data-util 7.0.18

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* /opt/cola/permits/2322072227_1737362740.8065836/0/rfc7952-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc7952/data/util/ImmutableNormalizedMetadata.java
* /opt/cola/permits/2322072227_1737362740.8065836/0/rfc7952-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc7952/data/util/ImmutableMetadataNormalizedAnydata.java
* /opt/cola/permits/2322072227_1737362740.8065836/0/rfc7952-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc7952/data/util/NormalizedMetadataWriter.java
* /opt/cola/permits/2322072227_1737362740.8065836/0/rfc7952-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc7952/data/util/NormalizedNodeStreamWriterMetadataDecorator.java

1.7738 rfc6536-model-api 7.0.18

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* /opt/cola/permits/2322072064_1737362770.8303373/0/rfc6536-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc6536/model/api/DefaultDenyAllStatement.java
* /opt/cola/permits/2322072064_1737362770.8303373/0/rfc6536-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc6536/model/api/DefaultDenyWriteEffectiveStatement.java
* /opt/cola/permits/2322072064_1737362770.8303373/0/rfc6536-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc6536/model/api/DefaultDenyAllSchemaNode.java
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 /opt/cola/permits/2322072064_1737362770.8303373/0/rfc6536-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc6536/model/api/package-info.java
* /opt/cola/permits/2322072064_1737362770.8303373/0/rfc6536-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc6536/model/api/DefaultDenyAllEffectiveStatement.java
* /opt/cola/permits/2322072064_1737362770.8303373/0/rfc6536-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc6536/model/api/DefaultDenyWriteStatement.java
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* /opt/cola/permits/2322072064_1737362770.8303373/0/rfc6536-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc6536/model/api/NACMStatements.java

1.7739 yang-parser-api 7.0.18

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* /opt/cola/permits/2322072154_1737362768.7902277/0/yang-parser-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/api/package-info.java
* /opt/cola/permits/2322072154_1737362768.7902277/0/yang-parser-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/api/ImportResolutionMode.java
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* /opt/cola/permits/2322072154_1737362768.7902277/0/yang-parser-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/api/YangParserFactory.java
* /opt/cola/permits/2322072154_1737362768.7902277/0/yang-parser-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/api/YangParser.java
* /opt/cola/permits/2322072154_1737362768.7902277/0/yang-parser-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/parser/api/YangParserFactory.java
*
 /opt/cola/permits/2322072154_1737362768.7902277/0/yang-parser-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/parser/api/YangParser.java
* /opt/cola/permits/2322072154_1737362768.7902277/0/yang-parser-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/parser/api/YangParserException.java
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* /opt/cola/permits/2322072154_1737362768.7902277/0/yang-parser-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/api/YangSyntaxErrorException.java
* /opt/cola/permits/2322072154_1737362768.7902277/0/yang-parser-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/parser/api/YangSyntaxErrorException.java

1.7740 rfc8639-model-api 7.0.18

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* /opt/cola/permits/2322072178_1737362789.80307/0/rfc8639-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc8639/model/api/SubscribedNotificationsConstants.java
* /opt/cola/permits/2322072178_1737362789.80307/0/rfc8639-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc8639/model/api/SubscribedNotificationsStatements.java
* /opt/cola/permits/2322072178_1737362789.80307/0/rfc8639-model-api-7-0-18-sources-1-jar/module-info.java
*
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1.7741 openconfig-model-api 7.0.18

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* /opt/cola/permits/2322072161_1737362772.8943594/0/openconfig-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/openconfig/model/api/OpenConfigVersionStatement.java
* /opt/cola/permits/2322072161_1737362772.8943594/0/openconfig-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/openconfig/model/api/OpenConfigConstants.java
* /opt/cola/permits/2322072161_1737362772.8943594/0/openconfig-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/openconfig/model/api/OpenConfigHashedValueStatement.java
* /opt/cola/permits/2322072161_1737362772.8943594/0/openconfig-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/openconfig/model/api/OpenConfigVersionEffectiveStatement.java
* /opt/cola/permits/2322072161_1737362772.8943594/0/openconfig-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/openconfig/model/api/OpenConfigStatements.java
* /opt/cola/permits/2322072161_1737362772.8943594/0/openconfig-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/openconfig/model/api/OpenConfigHashedValueEffectiveStatement.java
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* /opt/cola/permits/2322072161_1737362772.8943594/0/openconfig-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/openconfig/model/api/OpenConfigPosixPatternStatement.java
* /opt/cola/permits/2322072161_1737362772.8943594/0/openconfig-model-api-7-0-18-sources-1-jar/module-info.java
* /opt/cola/permits/2322072161_1737362772.8943594/0/openconfig-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/openconfig/model/api/OpenConfigRegexpPosixEffectiveStatement.java
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1.7742 yang-common 7.0.18

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* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/YangNamespaceContext.java
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* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/AbstractCanonicalValueSupport.java
* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/DerivedString.java
* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-

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* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-
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jar/org/opendaylight/yangtools/yang/common/RpcResultBuilder.java
* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-
jar/org/opendaylight/yangtools/yang/common/OperationFailedException.java
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* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/YangVersion.java
* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/YangNames.java
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* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/RpcError.java
* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/RpcResult.java
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* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/Uint64.java
* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/Empty.java
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* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/UintConversions.java
* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/module-info.java
* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/NSv1.java
* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/UQNv1.java
* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/QQNv1.java
* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/YangError.java
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* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/UnqualifiedQName.java

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* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/ErrorTag.java
* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/ErrorType.java
* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/ErrorSeverity.java
* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/NetconfLayer.java
* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/ETv1.java
* /opt/cola/permits/2322072009_1737362776.4935746/0/yang-common-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/common/XMLNamespace.java

1.7743 yang-xpath-impl 7.0.18

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* /opt/cola/permits/2322071998_1737362784.5658588/0/yang-xpath-impl-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/xpath/impl/AntlrYangXPathExpression.java
* /opt/cola/permits/2322071998_1737362784.5658588/0/yang-xpath-impl-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/xpath/impl/AntlrXPathParserFactory.java

* /opt/cola/permits/2322071998_1737362784.5658588/0/yang-xpath-impl-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/xpath/impl/AntlrXPathParser.java
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* /opt/cola/permits/2322071998_1737362784.5658588/0/yang-xpath-impl-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/xpath/impl/di/package-info.java
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* /opt/cola/permits/2322071998_1737362784.5658588/0/yang-xpath-impl-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/xpath/impl/Utils.java
* /opt/cola/permits/2322071998_1737362784.5658588/0/yang-xpath-impl-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/xpath/impl/CapturingErrorListener.java
* /opt/cola/permits/2322071998_1737362784.5658588/0/yang-xpath-impl-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/xpath/impl/ParseTreeUtils.java

1.7744 odlext-parser-support 7.0.18

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1.7745 rfc8040-model-api 7.0.18

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* /opt/cola/permits/2322072034_1737362768.6679673/0/rfc8040-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc8040/model/api/YangDataStatements.java

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1.7746 yang-data-impl 7.0.18

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1.7747 yang-data-spi 7.0.18

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1.7748 rfc6241-parser-support 7.0.18

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1.7749 rfc6643-parser-support 7.0.18

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* /opt/cola/permits/2322072197_1737362729.6513314/0/yang-data-api-7-0-18-sources-2-
jar/org/opendaylight/yangtools/yang/data/api/schema/NormalizedNodes.java
*
/opt/cola/permits/2322072197_1737362729.6513314/0/yang-data-api-7-0-18-sources-2-
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* /opt/cola/permits/2322072197_1737362729.6513314/0/yang-data-api-7-0-18-sources-2-
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jar/org/opendaylight/yangtools/yang/data/api/schema/tree/AbstractWriteCandidate.java
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jar/org/opendaylight/yangtools/yang/data/api/schema/tree/DataTreeModificationCursor.java
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jar/org/opendaylight/yangtools/yang/data/api/schema/stream/ForwardingNormalizedNodeStreamWriter.java
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jar/org/opendaylight/yangtools/yang/data/api/schema/tree/NormalizedNodeDataTreeCandidateNode.java
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* /opt/cola/permits/2322072197_1737362729.6513314/0/yang-data-api-7-0-18-sources-2-jar/org/opendaylight/yangtools/yang/data/api/schema/NormalizedNodeContainer.java
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* /opt/cola/permits/2322072197_1737362729.6513314/0/yang-data-api-7-0-18-sources-2-jar/org/opendaylight/yangtools/yang/data/api/NIv1.java
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* /opt/cola/permits/2322072197_1737362729.6513314/0/yang-data-api-7-0-18-sources-2-jar/org/opendaylight/yangtools/yang/data/api/schema/NormalizableAnydata.java
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* /opt/cola/permits/2322072197_1737362729.6513314/0/yang-data-api-7-0-18-sources-2-jar/org/opendaylight/yangtools/yang/data/api/schema/AnydataNormalizationException.java
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1.7751 yang-xpath-antlr 7.0.18

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1.7752 openconfig-parser-support 7.0.18

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* /opt/cola/permits/2322072148_1737362731.6005108/0/openconfig-parser-support-7-0-18-sources-1-jar/org/opendaylight/yangtools/openconfig/parser/EncryptedValueStatementSupport.java
* /opt/cola/permits/2322072148_1737362731.6005108/0/openconfig-parser-support-7-0-18-sources-1-jar/org/opendaylight/yangtools/openconfig/parser/AbstractHashedValueStatementSupport.java
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* /opt/cola/permits/2322072148_1737362731.6005108/0/openconfig-parser-support-7-0-18-sources-1-jar/org/opendaylight/yangtools/openconfig/parser/OpenConfigHashedValueEffectiveStatementImpl.java
* /opt/cola/permits/2322072148_1737362731.6005108/0/openconfig-parser-support-7-0-18-sources-1-jar/org/opendaylight/yangtools/openconfig/parser/OpenConfigHashedValueStatementImpl.java
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1.7753 rfc8528-model-api 7.0.18

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* /opt/cola/permits/2322072028_1737362767.253082/0/rfc8528-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc8528/model/api/MountPointSchemaNode.java
* /opt/cola/permits/2322072028_1737362767.253082/0/rfc8528-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc8528/model/api/MountPointStatement.java
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1.7754 yang-parser-impl 7.0.18

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* /opt/cola/permits/2322072136_1737362789.9213638/0/yang-parser-impl-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/repo/AssembleSources.java
* /opt/cola/permits/2322072136_1737362789.9213638/0/yang-parser-impl-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/repo/DependencyResolver.java
* /opt/cola/permits/2322072136_1737362789.9213638/0/yang-parser-impl-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/repo/SourceIdMismatchDetector.java
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* /opt/cola/permits/2322072136_1737362789.9213638/0/yang-parser-impl-7-0-18-sources-1-

jar/org/opendaylight/yangtools/yang/parser/impl/DefaultReactors.java
* /opt/cola/permits/2322072136_1737362789.9213638/0/yang-parser-impl-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/impl/YangParserFactoryImpl.java
* /opt/cola/permits/2322072136_1737362789.9213638/0/yang-parser-impl-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/impl/DefaultYangParserFactory.java
*
/opt/cola/permits/2322072136_1737362789.9213638/0/yang-parser-impl-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/impl/package-info.java
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1.7755 rfc8040-parser-support 7.0.18

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* /opt/cola/permits/2322072070_1737362780.9113023/0/rfc8040-parser-support-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc8040/parser/RefYangDataStatement.java
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* /opt/cola/permits/2322072070_1737362780.9113023/0/rfc8040-parser-support-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc8040/parser/YangDataStatementSupport.java

1.7756 rfc8528-parser-support 7.0.18

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* /opt/cola/permits/2322071969_1737362773.5692065/0/rfc8528-parser-support-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc8528/parser/MountPointStatementImpl.java
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1.7757 yang-parser-antlr 7.0.18

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* /opt/cola/permits/2322072112_1737362773.3195088/0/yang-parser-antlr-7-0-18-sources-1-jar/module-info.java

1.7758 yang-parser-spi 7.0.18

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* /opt/cola/permits/2322072077_1737362739.645678/0/yang-parser-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/spi/meta/SchemaPathSupport.java
* /opt/cola/permits/2322072077_1737362739.645678/0/yang-parser-spi-7-0-18-sources-1-jar/module-info.java
* /opt/cola/permits/2322072077_1737362739.645678/0/yang-parser-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/spi/meta/AbstractQNameStatementSupport.java
*
 /opt/cola/permits/2322072077_1737362739.645678/0/yang-parser-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/spi/meta/AbstractStringStatementSupport.java
* /opt/cola/permits/2322072077_1737362739.645678/0/yang-parser-spi-7-0-18-sources-1-

jar/org/opendaylight/yangtools/yang/parser/spi/meta/AbstractEmptyStatementSupport.java
* /opt/cola/permits/2322072077_1737362739.645678/0/yang-parser-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/spi/meta/BoundStmtCtx.java
* /opt/cola/permits/2322072077_1737362739.645678/0/yang-parser-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/spi/meta/EffectiveStmtCtx.java
* /opt/cola/permits/2322072077_1737362739.645678/0/yang-parser-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/spi/meta/BoundStmtCtxCompat.java
* /opt/cola/permits/2322072077_1737362739.645678/0/yang-parser-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/spi/meta/RootStmtContext.java
* /opt/cola/permits/2322072077_1737362739.645678/0/yang-parser-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/spi/meta/AbstractInternedStatementSupport.java
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/opt/cola/permits/2322072077_1737362739.645678/0/yang-parser-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/spi/meta/CommonStmtCtx.java
* /opt/cola/permits/2322072077_1737362739.645678/0/yang-parser-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/spi/meta/ParserNamespace.java
* /opt/cola/permits/2322072077_1737362739.645678/0/yang-parser-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/spi/meta/NamespaceStmtCtx.java
* /opt/cola/permits/2322072077_1737362739.645678/0/yang-parser-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/spi/meta/AbstractStatementSupport.java
* /opt/cola/permits/2322072077_1737362739.645678/0/yang-parser-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/spi/meta/StmtContextCompat.java
* /opt/cola/permits/2322072077_1737362739.645678/0/yang-parser-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/spi/meta/AbstractBooleanStatementSupport.java
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* /opt/cola/permits/2322072077_1737362739.645678/0/yang-parser-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/spi/meta/ForwardingStatementSupport.java
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* /opt/cola/permits/2322072077_1737362739.645678/0/yang-parser-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/spi/meta/OverrideChildStatementSupport.java
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* /opt/cola/permits/2322072077_1737362739.645678/0/yang-parser-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/spi/validation/package-info.java
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* /opt/cola/permits/2322072077_1737362739.645678/0/yang-parser-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/parser/spi/source/StatementSourceReference.java
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1.7759 yang-repo-api 7.0.18

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1.7760 odlext-model-api 7.0.18

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* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/ConcurrentDurationStatisticsTracker.java

* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/MapAdaptor.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/ExecutorServiceUtil.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/ReadWriteTrieMap.java
*
 /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/DurationWithTime.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/concurrent/SettableBoolean.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/ReadOnlyTrieMap.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/SynchronizedDurationStatsTracker.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/concurrent/SettableBooleanThreadLocal.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/Immutables.java
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* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/TopologicalSort.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/HashCodeBuilder.java
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* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/concurrent/EqualityQueuedNotificationManager.java
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* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/ImmutableMapTemplate.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/ImmutableOffsetMapTemplate.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/ObjectRegistry.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/SingletonSpliterators.java
*
 /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/concurrent/FluentFutures.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-

jar/org/opendaylight/yangtools/util/CollectionWrappers.java
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* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/EmptyDeque.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/xml/UntrustedXML.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/AbstractUUIDIdentifier.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/AbstractIdentifier.java
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* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/MutableOffsetMap.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/UnmodifiableMapPhase.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/SharedSingletonMap.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/OffsetMapCache.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/RecursiveObjectLeaker.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/ModifiableMapPhase.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/ImmutableOffsetMap.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/ConstantArrayCollection.java
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* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/concurrent/AsyncNotifyingListenableFutureTask.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/concurrent/ExceptionMapper.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/concurrent/ListenerNotificationQueueStats.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/concurrent/QueuedNotificationManagerMXBean.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/concurrent/QueuedNotificationManagerMXBeanImpl.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/concurrent/SpecialExecutors.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/concurrent/AbstractBatchingExecutor.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-jar/org/opendaylight/yangtools/util/concurrent/AsyncNotifyingListeningExecutorService.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-

jar/org/opendaylight/yangtools/util/concurrent/CachedThreadPoolExecutor.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-
jar/org/opendaylight/yangtools/util/concurrent/AbstractQueuedNotificationManager.java
*
 /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-
jar/org/opendaylight/yangtools/util/concurrent/NotificationManager.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-
jar/org/opendaylight/yangtools/util/PropertyUtils.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-
jar/org/opendaylight/yangtools/util/concurrent/CountingRejectedExecutionHandler.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-
jar/org/opendaylight/yangtools/util/concurrent/FastThreadPoolExecutor.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-
jar/org/opendaylight/yangtools/util/DurationStatisticsTracker.java
* /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-
jar/org/opendaylight/yangtools/util/concurrent/DeadlockDetectingListeningExecutorService.java
*
 /opt/cola/permits/2322071992_1737362747.4762776/0/util-7-0-18-sources-1-
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1.7762 yang-repo-spi 7.0.18

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* /opt/cola/permits/2322072140_1737362793.182936/0/yang-repo-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/repo/spi/SchemaSourceProvider.java
* /opt/cola/permits/2322072140_1737362793.182936/0/yang-repo-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/repo/spi/SchemaListenerRegistration.java
* /opt/cola/permits/2322072140_1737362793.182936/0/yang-repo-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/repo/spi/AbstractSchemaListenerRegistration.java
* /opt/cola/permits/2322072140_1737362793.182936/0/yang-repo-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/repo/spi/AbstractSchemaSourceRegistration.java
* /opt/cola/permits/2322072140_1737362793.182936/0/yang-repo-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/repo/spi/SchemaSourceListener.java
* /opt/cola/permits/2322072140_1737362793.182936/0/yang-repo-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/repo/spi/PotentialSchemaSource.java
* /opt/cola/permits/2322072140_1737362793.182936/0/yang-repo-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/repo/spi/AbstractSchemaRepository.java
* /opt/cola/permits/2322072140_1737362793.182936/0/yang-repo-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/repo/spi/RefcountedRegistration.java
* /opt/cola/permits/2322072140_1737362793.182936/0/yang-repo-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/repo/spi/SchemaSourceRegistration.java
* /opt/cola/permits/2322072140_1737362793.182936/0/yang-repo-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/repo/spi/AbstractSchemaSourceCache.java
* /opt/cola/permits/2322072140_1737362793.182936/0/yang-repo-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/repo/spi/GuavaSchemaSourceCache.java
* /opt/cola/permits/2322072140_1737362793.182936/0/yang-repo-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/repo/spi/SchemaSourceTransformer.java
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1.7763 rfc7952-data-api 7.0.18

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* /opt/cola/permits/2322072057_1737362809.8265405/0/rfc7952-data-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc7952/data/api/MetadataNormalizedAnydata.java
* /opt/cola/permits/2322072057_1737362809.8265405/0/rfc7952-data-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc7952/data/api/StreamWriterMetadataExtension.java

1.7764 yang-model-spi 7.0.18

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jar/org/opendaylight/yangtools/yang/model/spi/AbstractEffectiveStatementInference.java
* /opt/cola/permits/2322072221_1737362775.515319/0/yang-model-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/spi/DefaultSchemaTreeInference.java
* /opt/cola/permits/2322072221_1737362775.515319/0/yang-model-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/spi/meta/ForwardingModelStatement.java
* /opt/cola/permits/2322072221_1737362775.515319/0/yang-model-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/spi/meta/AbstractRefStatement.java
* /opt/cola/permits/2322072221_1737362775.515319/0/yang-model-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/spi/meta/ForwardingDeclaredStatement.java
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* /opt/cola/permits/2322072221_1737362775.515319/0/yang-model-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/spi/ModuleDependencySort.java
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* /opt/cola/permits/2322072221_1737362775.515319/0/yang-model-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/spi/meta/AbstractEffectiveStatement.java
* /opt/cola/permits/2322072221_1737362775.515319/0/yang-model-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/spi/meta/AbstractDeclaredStatement.java
* /opt/cola/permits/2322072221_1737362775.515319/0/yang-model-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/spi/meta/SubstatementIndexingException.java
* /opt/cola/permits/2322072221_1737362775.515319/0/yang-model-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/spi/meta/AbstractDeclaredEffectiveStatement.java
* /opt/cola/permits/2322072221_1737362775.515319/0/yang-model-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/spi/meta/AbstractModelStatement.java
* /opt/cola/permits/2322072221_1737362775.515319/0/yang-model-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/spi/meta/AbstractUndeclaredEffectiveStatement.java
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* /opt/cola/permits/2322072221_1737362775.515319/0/yang-model-spi-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/spi/meta/AbstractEffectiveDocumentedNodeWithStatus.java
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* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/DuplicateChildNodeRejectedException.java
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* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/ModuleStringIdentityrefCodec.java
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* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/AbstractOpaqueContextNode.java
* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/ImmutableNormalizedAnydata.java
* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/AbstractLeafContextNode.java
* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/AnydataNodeDataWithSchema.java
* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/AnydataContextNode.java
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* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/AbstractModuleStringIdentityrefCodec.java
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* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/codec/PrecomputedCodecCache.java
* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/codec/AbstractCodecFactory.java
* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/codec/TypeAwareCodec.java
* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/codec/CodecCache.java
* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/codec/SharedCodecCache.java
* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/codec/QNameCodecUtil.java
* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/codec/LazyCodecCache.java
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* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/CompositeNodeDataWithSchema.java
* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/CaseNodeDataWithSchema.java
* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/ListNodeDataWithSchema.java
* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/ChoiceNodeDataWithSchema.java
* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/LeafListEntryNodeDataWithSchema.java
* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/ListEntryNodeDataWithSchema.java
* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/ParserStreamUtils.java
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* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/LeafListNodeDataWithSchema.java
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* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/ContainerNodeDataWithSchema.java
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* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/AbstractMixinContextNode.java
* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/OrderedLeafListMixinContextNode.java
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* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/UnkeyedListMixinContextNode.java
* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/DataSchemaContextNode.java
* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/UnkeyedListItemContextNode.java
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* /opt/cola/permits/2322071967_1737362791.7826622/0/yang-data-util-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/data/util/DataSchemaContextTree.java
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* /opt/cola/permits/2322072215_1737362787.5189972/0/rfc6241-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc6241/model/api/GetFilterElementAttributesSchemaNode.java
* /opt/cola/permits/2322072215_1737362787.5189972/0/rfc6241-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc6241/model/api/package-info.java
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* /opt/cola/permits/2322072215_1737362787.5189972/0/rfc6241-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc6241/model/api/NetconfConstants.java

1.7767 rfc8639-parser-support 7.0.18

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* /opt/cola/permits/2322072160_1737362776.5156467/0/rfc8639-parser-support-7-0-18-sources-1-

jar/org/opendaylight/yangtools/rfc8639/parser/SubscriptionStateNotificationStatementImpl.java
* /opt/cola/permits/2322072160_1737362776.5156467/0/rfc8639-parser-support-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc8639/parser/SubscriptionStateNotificationEffectiveStatementImpl.java
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1.7768 rfc6643-model-api 7.0.18

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* /opt/cola/permits/2322072046_1737362785.863992/0/rfc6643-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc6643/model/api/IetfYangSmiv2Constants.java
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* /opt/cola/permits/2322072046_1737362785.863992/0/rfc6643-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc6643/model/api/ObjectIdentifier.java
* /opt/cola/permits/2322072046_1737362785.863992/0/rfc6643-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc6643/model/api/AliasStatement.java
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* /opt/cola/permits/2322072046_1737362785.863992/0/rfc6643-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc6643/model/api/DefValStatement.java
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* /opt/cola/permits/2322072046_1737362785.863992/0/rfc6643-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc6643/model/api/MaxAccessEffectiveStatement.java
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* /opt/cola/permits/2322072046_1737362785.863992/0/rfc6643-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc6643/model/api/ImpliedStatement.java
* /opt/cola/permits/2322072046_1737362785.863992/0/rfc6643-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/rfc6643/model/api/SubIdEffectiveStatement.java
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1.7769 yang-model-api 7.0.18

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* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/api/EffectiveStatementEquivalent.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/api/SchemaNodeDefaults.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-

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/opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-
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* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-
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jar/org/opendaylight/yangtools/yang/model/api/SchemaContextListener.java
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* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/api/type/Int64TypeDefinition.java
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* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/api/stmt/RefineEffectiveStatement.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/api/stmt/RequireInstanceEffectiveStatement.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/api/stmt/LeafEffectiveStatement.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/api/type/RangeRestrictedTypeDefinition.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/api/TypeAware.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/api/type/Int32TypeDefinition.java
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* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/api/meta/ArgumentDefinition.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/api/meta/AbstractStatementDefinition.java
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* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/api/EffectiveStatementInference.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/api/meta/DeclarationInText.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/api/stmt/DefaultMethodHelpers.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/api/SchemaTreeInference.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/api/meta/DeclarationReference.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/api/meta/DeclarationInFile.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/api/stmt/TypedefNamespace.java
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* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-

jar/org/opendaylight/yangtools/yang/model/api/stmt/IfFeatureAwareDeclaredStatement.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-
jar/org/opendaylight/yangtools/yang/model/api/stmt/MetaDeclaredStatement.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-
jar/org/opendaylight/yangtools/yang/model/api/stmt/DocumentedDeclaredStatement.java
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/opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-
jar/org/opendaylight/yangtools/yang/model/api/stmt/WhenStatementAwareDeclaredStatement.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-
jar/org/opendaylight/yangtools/yang/model/api/stmt/RevisionAwareDeclaredStatement.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-
jar/org/opendaylight/yangtools/yang/model/api/stmt/TypeAwareDeclaredStatement.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-
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* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-
jar/org/opendaylight/yangtools/yang/model/api/stmt/AnydataStatement.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-
jar/org/opendaylight/yangtools/yang/model/api/OperationDefinition.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-
jar/org/opendaylight/yangtools/yang/model/api/AnydataSchemaNode.java
*
/opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-
jar/org/opendaylight/yangtools/yang/model/api/stmt/ConfigEffectiveStatement.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-
jar/org/opendaylight/yangtools/yang/model/api/DeviateKind.java
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jar/org/opendaylight/yangtools/yang/model/api/NotificationNodeContainer.java
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jar/org/opendaylight/yangtools/yang/model/api/stmt/ActionStatement.java

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/opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/api/ActionNodeContainer.java
* /opt/cola/permits/2322072184_1737362811.8207412/0/yang-model-api-7-0-18-sources-1-jar/org/opendaylight/yangtools/yang/model/api/DeviateDefinition.java

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> ~~~
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~~~

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autosetup - A build environment "autoconfigurator"

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1.7773 libvulkan1 1.3.275.0-1build1

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1.7780 libxcbglx 1.15-1ubuntu2

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1.7781 libgl1 1.7.0-1build1

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1.7782 libxcb1-dev 1.15-1ubuntu2

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1.7783 libgl1-amber-dri 21.3.9-0ubuntu2

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# LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
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# SOFTWARE.

libfreedreno_layout = static_library(
 'freedreno_layout',
 [
   'fd5_layout.c',
   'fd6_format_table.c',
   'fd6_layout.c',
   'freedreno_layout.c',
   freedreno_xml_header_files,
 ],
 include_directories : [inc_freedreno, inc_include, inc_src, inc_mapi, inc_mesa, inc_gallium, inc_gallium_aux],
 c_args : [no_override_init_args],
 gnu_symbol_visibility : 'hidden',
 dependencies : [idep_nir_headers, idep_mesautil],
 build_by_default : false,
)

foreach major : ['5', '6']
 test(
   'fd' + major + '_layout',
   executable(
     'fd' + major + '_layout',
     [
       'fd_layout_test.c',
       'fd' + major + '_layout_test.c',
       freedreno_xml_header_files,
     ],
     link_with: libfreedreno_layout,
     dependencies : idep_mesautil,
     include_directories: [
       inc_include,
       inc_src,
       inc_mapi,
       inc_mesa,
       inc_gallium,
```

```
      inc_gallium_aux,
       inc_freedreno],
  ),
  suite : ['freedreno'],
 )
endforeach
```

abcdefghijklmnopqrstuvwxyz
ABCDEFGHIJKMLNOPQRSTUVWXYZ
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0123456789
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+
-
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*
%
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1.7784 libglvnd0 1.7.0-1build1

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1.7785 libxcb-xfixes0 1.15-1ubuntu2

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1.7786 importlib-metadata 8.6.1

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1.7787 etcd-api 3.5.13

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1.7788 send/node_modules/encodeurl 1.0.2

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1.7789 importlib-metadata 8.6.1

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package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
 "google.golang.org/api/iterator"
)

func ExampleNewLicensesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
```

```
 // It will
 require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicensesClient_Delete() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.DeleteLicenseRequest{
  //
 TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
 }
 op, err := c.Delete(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
```

```
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.GetLicenseRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
}
resp,
err := c.Get(ctx, req)
if err != nil {
 // TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.GetIamPolicyLicenseRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetIamPolicyLicenseRequest.
}
resp, err := c.GetIamPolicy(ctx, req)
if err != nil {
 // TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

func ExampleLicensesClient_Insert()
```

```
 {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.InsertLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
 }
 op, err := c.Insert(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_List() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template
 only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.ListLicensesRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
 }
 it := c.List(ctx, req)
 for {
```

```
 resp, err := it.Next()
 if err == iterator.Done {
  break
 }
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp

 // If you need to access the underlying RPC response,
 // you can do so by casting the `Response` as below.
 // Otherwise, remove this line. Only populated after
 // first call to Next(). Not safe for concurrent access.
 _ = it.Response.(*computepb.LicensesListResponse)
}
}

func
 ExampleLicensesClient_SetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.SetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
 }
 resp, err := c.SetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically
```

```
 generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
 }
 resp, err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleNewLicenseCodesRESTClient() {
```

```
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 //
 - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicenseCodesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseCodeRequest{
  // TODO: Fill request
 struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
 }
 resp, err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
```

```
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicenseCodesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.TestIamPermissionsLicenseCodeRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
}
resp,
err := c.TestIamPermissions(ctx, req)
if err != nil {
 // TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}
```

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```
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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
//  protoc-gen-go v1.34.2
//  protoc        v4.25.3
// source: google/ai/generativelanguage/v1beta/permission.proto

package generativelanguagepb

import (
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
)
```

```
const
 (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Defines types of the grantee of this permission.
type Permission_GranteeType int32

const (
 // The default value. This value is unused.
 Permission_GRANTEE_TYPE_UNSPECIFIED Permission_GranteeType = 0
 // Represents a user. When set, you must provide email_address for the user.
 Permission_USER Permission_GranteeType = 1
 // Represents a group. When set, you must provide email_address for the
 // group.
 Permission_GROUP Permission_GranteeType = 2
 // Represents access to everyone. No extra information is required.
 Permission_EVERYONE Permission_GranteeType = 3
)

// Enum value maps for Permission_GranteeType.
var (
 Permission_GranteeType_name = map[int32]string{
  0: "GRANTEE_TYPE_UNSPECIFIED",
  1: "USER",
  2:
 "GROUP",
  3: "EVERYONE",
 }
 Permission_GranteeType_value = map[string]int32{
  "GRANTEE_TYPE_UNSPECIFIED": 0,
  "USER":                     1,
  "GROUP":                    2,
  "EVERYONE":                 3,
 }
)

func (x Permission_GranteeType) Enum() *Permission_GranteeType {
 p := new(Permission_GranteeType)
 *p = x
 return p
}

func (x Permission_GranteeType) String() string {
```

```
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_GranteeType) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0].Descriptor()
}

func (Permission_GranteeType) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0]
}

func (x Permission_GranteeType) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_GranteeType.Descriptor instead.
func (Permission_GranteeType) EnumDescriptor() ([]byte,
 []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 0}
}

// Defines the role granted by this permission.
type Permission_Role int32

const (
 // The default value. This value is unused.
 Permission_ROLE_UNSPECIFIED Permission_Role = 0
 // Owner can use, update, share and delete the resource.
 Permission_OWNER Permission_Role = 1
 // Writer can use, update and share the resource.
 Permission_WRITER Permission_Role = 2
 // Reader can use the resource.
 Permission_READER Permission_Role = 3
)

// Enum value maps for Permission_Role.
var (
 Permission_Role_name = map[int32]string{
  0: "ROLE_UNSPECIFIED",
  1: "OWNER",
  2: "WRITER",
  3: "READER",
 }
 Permission_Role_value = map[string]int32{
  "ROLE_UNSPECIFIED": 0,
  "OWNER":            1,
  "WRITER":           2,
  "READER":           3,
```

```
 }
)

func (x Permission_Role) Enum() *Permission_Role {
 p := new(Permission_Role)
 *p = x
 return p
}

func (x Permission_Role) String() string {
 return
 protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_Role) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1].Descriptor()
}

func (Permission_Role) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1]
}

func (x Permission_Role) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_Role.Descriptor instead.
func (Permission_Role) EnumDescriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 1}
}

// Permission resource grants user, group or the rest of the world access to the
// PaLM API resource (e.g. a tuned model, corpus).
//
// A role is a collection of permitted operations that allows users to perform
// specific actions on PaLM API resources. To make them available to users,
// groups, or service accounts,
 you assign roles. When you assign a role, you
// grant permissions that the role contains.
//
// There are three concentric roles. Each role is a superset of the previous
// role's permitted operations:
//
// - reader can use the resource (e.g. tuned model, corpus) for inference
// - writer has reader's permissions and additionally can edit and share
// - owner has writer's permissions and additionally can delete
type Permission struct {
 state         protoimpl.MessageState
```

```
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Output only. Identifier. The permission name. A unique name will be
 // generated on create. Examples:
 //
 // tunedModels/{tuned_model}/permissions/{permission}
 // corpora/{corpus}/permissions/{permission}
 //
 // Output only.
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Optional. Immutable. The type of the grantee.
 GranteeType *Permission_GranteeType
`protobuf:"varint,2,opt,name=grantee_type,json=granteeType,proto3,enum=google.ai.generativelanguage.v1beta.Pe
rmission_GranteeType,oneof"
 json:"grantee_type,omitempty"`
 // Optional. Immutable. The email address of the user of group which this
 // permission refers. Field is not set when permission's grantee type is
 // EVERYONE.
 EmailAddress *string `protobuf:"bytes,3,opt,name=email_address,json=emailAddress,proto3,oneof"
json:"email_address,omitempty"`
 // Required. The role granted by this permission.
 Role *Permission_Role
`protobuf:"varint,4,opt,name=role,proto3,enum=google.ai.generativelanguage.v1beta.Permission_Role,oneof"
json:"role,omitempty"`
}

func (x *Permission) Reset() {
 *x = Permission{}
 if protoimpl.UnsafeEnabled {
  mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  ms.StoreMessageInfo(mi)
 }
}

func (x *Permission) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*Permission) ProtoMessage() {}

func (x *Permission)
 ProtoReflect() protoreflect.Message {
 mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
 if protoimpl.UnsafeEnabled && x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
```

```
  ms.StoreMessageInfo(mi)
 }
 return ms
}
return mi.MessageOf(x)
}

// Deprecated: Use Permission.ProtoReflect.Descriptor instead.
func (*Permission) Descriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0}
}

func (x *Permission) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *Permission) GetGranteeType() Permission_GranteeType {
 if x != nil && x.GranteeType != nil {
  return *x.GranteeType
 }
 return Permission_GRANTEE_TYPE_UNSPECIFIED
}

func (x *Permission) GetEmailAddress() string {
 if x != nil && x.EmailAddress != nil {
  return *x.EmailAddress
 }
 return ""
}

func (x *Permission) GetRole() Permission_Role {
 if x != nil && x.Role
 != nil {
  return *x.Role
 }
 return Permission_ROLE_UNSPECIFIED
}

var File_google_ai_generativelanguage_v1beta_permission_proto protoreflect.FileDescriptor

var file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = []byte{
 0x0a, 0x34, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x23, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
```

0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x1a, 0x1f, 0x67, 0x6f, 0x6f,
0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x62, 0x65,
0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a,
0x19, 0x67, 0x6f,
0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75, 0x72, 0x63,
0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0x85, 0x05, 0x0a, 0x0a, 0x50, 0x65, 0x72, 0x6d,
0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x1a, 0x0a, 0x04, 0x6e, 0x61, 0x6d, 0x65, 0x18, 0x01,
0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x03, 0xe0, 0x41, 0x08, 0x52, 0x04, 0x6e, 0x61,
0x6d, 0x65, 0x12, 0x6b, 0x0a, 0x0c, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f, 0x74, 0x79,
0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0e, 0x32, 0x3b, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c,
0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50,
0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65,
0x65, 0x54, 0x79, 0x70, 0x65, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x00, 0x52,
0x0b, 0x67,
0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x88, 0x01, 0x01, 0x12,
0x30, 0x0a, 0x0d, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73,
0x18, 0x03, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x01,
0x52, 0x0c, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x41, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73, 0x88, 0x01,
0x01, 0x12, 0x52, 0x0a, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x18, 0x04, 0x20, 0x01, 0x28, 0x0e, 0x32,
0x34, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65,
0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76,
0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
0x2e, 0x52, 0x6f, 0x6c, 0x65, 0x42, 0x03, 0xe0, 0x41, 0x02, 0x48, 0x02, 0x52, 0x04, 0x72, 0x6f,
0x6c, 0x65, 0x88, 0x01, 0x01, 0x22, 0x4e, 0x0a, 0x0b, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65,
0x54, 0x79, 0x70, 0x65, 0x12, 0x1c, 0x0a,
0x18, 0x47, 0x52, 0x41, 0x4e, 0x54, 0x45, 0x45, 0x5f,
0x54, 0x59, 0x50, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45, 0x44,
0x10, 0x00, 0x12, 0x08, 0x0a, 0x04, 0x55, 0x53, 0x45, 0x52, 0x10, 0x01, 0x12, 0x09, 0x0a, 0x05,
0x47, 0x52, 0x4f, 0x55, 0x50, 0x10, 0x02, 0x12, 0x0c, 0x0a, 0x08, 0x45, 0x56, 0x45, 0x52, 0x59,
0x4f, 0x4e, 0x45, 0x10, 0x03, 0x22, 0x3f, 0x0a, 0x04, 0x52, 0x6f, 0x6c, 0x65, 0x12, 0x14, 0x0a,
0x10, 0x52, 0x4f, 0x4c, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45,
0x44, 0x10, 0x00, 0x12, 0x09, 0x0a, 0x05, 0x4f, 0x57, 0x4e, 0x45, 0x52, 0x10, 0x01, 0x12, 0x0a,
0x0a, 0x06, 0x57, 0x52, 0x49, 0x54, 0x45, 0x52, 0x10, 0x02, 0x12, 0x0a, 0x0a, 0x06, 0x52, 0x45,
0x41, 0x44, 0x45, 0x52, 0x10, 0x03, 0x3a, 0xaa, 0x01, 0xea, 0x41, 0xa6, 0x01, 0x0a, 0x2c, 0x67,
0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67,
0x65, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73,
0x2e, 0x63, 0x6f, 0x6d,
0x2f, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x32, 0x74, 0x75, 0x6e,
0x65, 0x64, 0x4d, 0x6f, 0x64, 0x65, 0x6c, 0x73, 0x2f, 0x7b, 0x74, 0x75, 0x6e, 0x65, 0x64, 0x5f,
0x6d, 0x6f, 0x64, 0x65, 0x6c, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f,
0x6e, 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x12,
0x29, 0x63, 0x6f, 0x72, 0x70, 0x6f, 0x72, 0x61, 0x2f, 0x7b, 0x63, 0x6f, 0x72, 0x70, 0x75, 0x73,
0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x2f, 0x7b, 0x70,
0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x2a, 0x0b, 0x70, 0x65, 0x72, 0x6d,
0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x32, 0x0a, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73,
0x69, 0x6f, 0x6e, 0x42, 0x0f, 0x0a, 0x0d, 0x5f, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f,

```
 0x74, 0x79, 0x70, 0x65, 0x42, 0x10, 0x0a, 0x0e, 0x5f, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61,
 0x64,
 0x64, 0x72, 0x65, 0x73, 0x73, 0x42, 0x07, 0x0a, 0x05, 0x5f, 0x72, 0x6f, 0x6c, 0x65, 0x42,
 0x9b, 0x01, 0x0a, 0x27, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x42, 0x0f, 0x50, 0x65, 0x72,
 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x50, 0x01, 0x5a, 0x5d,
 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x67, 0x6f, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76,
 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x76, 0x31, 0x62,
 0x65, 0x74, 0x61, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61,
 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x3b, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74,
 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e,
 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x62, 0x06, 0x70,
 0x72, 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce sync.Once
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc
)

func file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP() []byte {
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce.Do(func() {
  file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData)
 })
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData
}

var file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes = make([]protoimpl.EnumInfo, 2)
var file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes = make([]protoimpl.MessageInfo, 1)
var file_google_ai_generativelanguage_v1beta_permission_proto_goTypes
 = []any{
 (Permission_GranteeType)(0), // 0: google.ai.generativelanguage.v1beta.Permission.GranteeType
 (Permission_Role)(0),        // 1: google.ai.generativelanguage.v1beta.Permission.Role
 (*Permission)(nil),          // 2: google.ai.generativelanguage.v1beta.Permission
}
var file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = []int32{
 0, // 0: google.ai.generativelanguage.v1beta.Permission.grantee_type:type_name ->
google.ai.generativelanguage.v1beta.Permission.GranteeType
 1, // 1: google.ai.generativelanguage.v1beta.Permission.role:type_name ->
google.ai.generativelanguage.v1beta.Permission.Role
 2, // [2:2] is the sub-list for method output_type
 2, // [2:2] is the sub-list for method input_type
 2, // [2:2] is the sub-list for extension type_name
 2, // [2:2] is the sub-list for extension extendee
```

```
 0, // [0:2] is the sub-list for field type_name
}

func init() { file_google_ai_generativelanguage_v1beta_permission_proto_init() }
func
 file_google_ai_generativelanguage_v1beta_permission_proto_init() {
 if File_google_ai_generativelanguage_v1beta_permission_proto != nil {
  return
 }
 if !protoimpl.UnsafeEnabled {
  file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].Exporter = func(v any, i int) any {
   switch v := v.(*Permission); i {
   case 0:
    return &v.state
   case 1:
    return &v.sizeCache
   case 2:
    return &v.unknownFields
   default:
    return nil
   }
  }
 }
 file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].OneofWrappers = []any{}
 type x struct{}
 out := protoimpl.TypeBuilder{
  File: protoimpl.DescBuilder{
   GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
   RawDescriptor: file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc,
   NumEnums:      2,
   NumMessages:   1,
   NumExtensions: 0,
   NumServices:   0,
  },
  GoTypes:           file_google_ai_generativelanguage_v1beta_permission_proto_goTypes,
  DependencyIndexes: file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs,
  EnumInfos:
         file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes,
  MessageInfos:      file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes,
 }.Build()
 File_google_ai_generativelanguage_v1beta_permission_proto = out.File
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_goTypes = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = nil
}
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```

```
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute

import (
 "bytes"
 "context"
 "fmt"
 "io"
 "math"
 "net/http"
 "net/url"
 "time"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/googleapi"
 "google.golang.org/api/iterator"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport
 "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/protobuf/encoding/protojson"
 "google.golang.org/protobuf/proto"
)

var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
 Delete          []gax.CallOption
 Get             []gax.CallOption
 GetIamPolicy    []gax.CallOption
 Insert          []gax.CallOption
 List            []gax.CallOption
 SetIamPolicy    []gax.CallOption
```

```
 TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
 return &LicensesCallOptions{
  Delete: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  Get: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  GetIamPolicy:
 []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  Insert: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  List: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
```

```
  SetIamPolicy: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  TestIamPermissions: []gax.CallOption{
   gax.WithTimeout(600000
 * time.Millisecond),
  },
 }
}

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
 Close() error
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
 Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
 Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
 GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
 List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
 SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse,
 error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicensesClient

 // The call options for this service.
 CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
 return c.internalClient.Close()
}
```

```
// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

//
 Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
 return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy
 for a resource. May be empty if no such policy or resource exists. Caution This resource is intended for use only by
third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
 return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
```

```
 list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
 return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is intended for use
 only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req *computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse, error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with method calls.
type licensesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // operationClient is used to call the operation-specific management service.
 operationClient *GlobalOperationsClient

 // The x-goog-* headers to be sent with each request.
 xGoogHeaders []string

 // Points back to the CallOptions field of the containing LicensesClient
 CallOptions **LicensesCallOptions
}

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx
```

```
 context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
 clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicensesRESTCallOptions()
 c := &licensesRESTClient{
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
 }
 c.setGoogleClientInfo()

 o := []option.ClientOption{
  option.WithHTTPClient(httpClient),
  option.WithEndpoint(endpoint),
 }
 opC, err := NewGlobalOperationsRESTClient(ctx, o...)
 if err != nil {
  return nil, err
 }
 c.operationClient = opC

 return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultEndpointTemplate("https://compute.UNIVERSE_DOMAIN"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultUniverseDomain("googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
  internaloption.EnableNewAuthLibrary(),
 }
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogHeaders = []string{
```

```
  "x-goog-api-client", gax.XGoogHeader(kv...),
 }
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
 // Replace httpClient with nil to force cleanup.
 c.httpClient
 = nil
 if err := c.operationClient.Close(); err != nil {
  return err
 }
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
 return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params",
 fmt.Sprintf("%s=%v&%s=%v", "project", url.QueryEscape(req.GetProject()), "license",
url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
```

```
opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf,
err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}
```

```
// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()),
 "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.License{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }
```

```
  if err
 := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

 params := url.Values{}
 if req != nil && req.OptionsRequestedPolicyVersion != nil {
  params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and
 context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
```

```
 httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp);
err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetLicenseResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
```

```
 return nil, err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

params := url.Values{}
if req != nil && req.RequestId != nil {
 params.Add("requestId",
fmt.Sprintf("%v", req.GetRequestId()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v", "project", url.QueryEscape(req.GetProject()))}

hds = append(c.xGoogHeaders, hds...)
hds = append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err !=
nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }
```

```
 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-
cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating
Cloud Marketplace images.
func (c *licensesRESTClient)
 List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
 it := &LicenseIterator{}
 req = proto.Clone(req).(*computepb.ListLicensesRequest)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
  resp := &computepb.LicensesListResponse{}
  if pageToken != "" {
   req.PageToken = proto.String(pageToken)
  }
  if pageSize > math.MaxInt32 {
   req.MaxResults = proto.Uint32(math.MaxInt32)
  } else if pageSize != 0 {
   req.MaxResults = proto.Uint32(uint32(pageSize))
  }
  baseUrl, err := url.Parse(c.endpoint)
  if err != nil {
   return nil, "", err
  }
  baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

  params := url.Values{}
  if req != nil && req.Filter != nil {
   params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
```

```
 }
 if req != nil && req.MaxResults != nil {
  params.Add("maxResults",
fmt.Sprintf("%v", req.GetMaxResults()))
 }
 if req != nil && req.OrderBy != nil {
  params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
 }
 if req != nil && req.PageToken != nil {
  params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
 }
 if req != nil && req.ReturnPartialSuccess != nil {
  params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := append(c.xGoogHeaders, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return
err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
```

```
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, "", e
 }
 it.Response = resp
 return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
 items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
 if err != nil {
  return "", err
 }
 it.items = append(it.items, items...)
 return nextPageToken, nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()

return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only
 by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetGlobalSetPolicyRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
```

```
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
 opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}
```

```
// TestIamPermissions returns permissions that a caller has on
 the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type",
 "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
```

```
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return
nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}
```

1.7791 pyxattr 0.8.0

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1.7792 kubernetes-apiserver-extensions 0.28.14

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#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
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depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

build() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
  INSTALLDIRS=vendor \
  NO_PACKLIST=1 \
  NO_PERLLOCAL=1
 make
}
```

```
check() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 make test
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"
```

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```
# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=2
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz
 0001-bsd-games-scores-dir.patch
 "
options="!check" # no tests

build() {
 # some GNU autoconf options are ignored, but it works
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr \
  --sysconfdir=/etc \
  --mandir=/usr/share/man \
  --scoredir=/usr/share/$pkgname
 make
}
```

```
package() {
 make DESTDIR="$pkgdir" install
 install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}

sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
  bsd-games-3.3.tar.gz
e1def0d4835a877242c4173fae862e278a7858738e0bacacbb045a42bcabec2aa7c72d000bbd2421ce35fe66cdc1f52c0
577b7e278029ca5ed50f7aab22319f6  0001-bsd-games-scores-dir.patch
"
```

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```
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http://www.geocities.com/SiliconValley/Campus/8645/index.html
http://members.nbci.com/silicon39/
http://www.mp3.com/silicon39
https://analoguesque.x10host.com/
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
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pkgname=spdx-licenses
pkgver=3.24.0
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
 subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
 mkdir -p "$pkgdir"
}

_subpkg() {
 local type=${subpkgname/$pkgname-/}
 pkgdesc="$pkgdesc ($type)"
 install_if="$pkgname=$pkgver-r$pkgrel"
 mkdir -p "$subpkgdir"/usr/share/spdx
 cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
 pkgdesc="$pkgdesc (licence list)"
 mkdir -p "$subpkgdir"/usr/share/spdx
 local i; for i in "$builddir"/text/*.txt;
 do
  local license=${i##*/}
  echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
 done
}
```

```
sha512sums="
6eb81424e1b3173dbd8e17859b2e15dfe1c2af8f4da59b7dad0729c038a4cbdba95c34c2c546285fcdbbd41562e39575e
6a6ebb9463b70121e0a12b99d1307e7  license-list-data-3.24.0.tar.gz
"
mini_sendmail - accept email on behalf of real sendmail

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SUCH DAMAGE.
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
 "

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
 update_config_sub
```

```
 default_prepare
}

build() {
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
 make
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
# Contributor: Patrycja Rosa <alpine@ptrcnull.me>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
 cdefs.h
 queue.h
 tree.h
"
builddir="$srcdir"
options="!check" # just headers

package() {
 mkdir -p "$pkgdir"
 install -Dm644 -t "$pkgdir"/usr/include/sys \
  cdefs.h queue.h tree.h
}
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178  cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750  queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3  tree.h
"
```

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"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95
http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html

```
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright"                # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility
```

```
build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

package() {
 gpep517 install-wheel --destdir "$pkgdir" \
  .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
  flake8-copyright-0.2.4.tar.gz
"
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
 default_prepare

 cargo fetch --target="$CTARGET" --locked
}

build() {
 cargo auditable build --release --frozen
}

check() {
 cargo test --frozen
}

package() {
 install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
```

```
272d796ac634f0a5e1d49232b6b29d5  cargo-license-0.6.1.tar.gz
"
# Contributor: Dhruvin Gandhi <contact@dhru.vin>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license_expression
pkgver=30.4.0
pkgrel=0
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir/$_pkgname-$pkgver"

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

check() {
 python3 -m venv --clear --without-pip --system-site-packages .testenv
 .testenv/bin/python3 -m installer .dist/*.whl
 .testenv/bin/python3 -m pytest
}

package() {
 python3 -m installer -d "$pkgdir" \
  .dist/*.whl
}

sha512sums="
cc7cd6b5bd8ea4c99b66f074871ffd7cc78b3e8b1b0d3afd9b95efdb7147c8293db2fac977d684fc34d3d60bd79066a06
dc2bff0a38b130d9d83c63538502db1
  license_expression-30.4.0.tar.gz
"
```

1.7801 dcron 4.6-r0

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1.7817 etcd-api 3.5.12

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1.7820 go-compute-metadata 0.4.0

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package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
 "google.golang.org/api/iterator"
)

func ExampleNewLicensesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will
 require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()
```

```
 // TODO: Use client.
 _ = c
}

func ExampleLicensesClient_Delete() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
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 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.DeleteLicenseRequest{
  //
 TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
 }
 op, err := c.Delete(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
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 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseRequest{
```

```
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
 }
 resp,
 err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetIamPolicyLicenseRequest.
 }
 resp, err := c.GetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_Insert()
 {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
```

```
 }
 defer c.Close()

 req := &computepb.InsertLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
 }
 op, err := c.Insert(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_List() {
 ctx := context.Background()
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 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.ListLicensesRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
 }
 it := c.List(ctx, req)
 for {
  resp, err := it.Next()
  if err == iterator.Done {
   break
  }
  if err != nil {
   // TODO: Handle error.
  }
  // TODO: Use resp.
  _ = resp
```

```
 // If you need to access the underlying RPC response,
 // you can do so by casting the `Response` as below.
 // Otherwise, remove this line. Only populated after
 // first call to Next(). Not safe for concurrent access.
 _ = it.Response.(*computepb.LicensesListResponse)
 }
}

func
 ExampleLicensesClient_SetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.SetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
 }
 resp, err := c.SetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically
 generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()
```

```
 req := &computepb.TestIamPermissionsLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
 }
 resp, err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleNewLicenseCodesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 //
 - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
```

```
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicenseCodesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseCodeRequest{
  // TODO: Fill request
 struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
 }
 resp, err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseCodeRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
```

```
 }
 resp,
 err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
```

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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
//  protoc-gen-go v1.34.2
//  protoc        v4.25.3
// source: google/ai/generativelanguage/v1beta/permission.proto

package generativelanguagepb

import (
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
)

const
 (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Defines types of the grantee of this permission.
type Permission_GranteeType int32
```

```
const (
 // The default value. This value is unused.
 Permission_GRANTEE_TYPE_UNSPECIFIED Permission_GranteeType = 0
 // Represents a user. When set, you must provide email_address for the user.
 Permission_USER Permission_GranteeType = 1
 // Represents a group. When set, you must provide email_address for the
 // group.
 Permission_GROUP Permission_GranteeType = 2
 // Represents access to everyone. No extra information is required.
 Permission_EVERYONE Permission_GranteeType = 3
)

// Enum value maps for Permission_GranteeType.
var (
 Permission_GranteeType_name = map[int32]string{
  0: "GRANTEE_TYPE_UNSPECIFIED",
  1: "USER",
  2:
 "GROUP",
  3: "EVERYONE",
 }
 Permission_GranteeType_value = map[string]int32{
  "GRANTEE_TYPE_UNSPECIFIED": 0,
  "USER":                     1,
  "GROUP":                    2,
  "EVERYONE":                 3,
 }
)

func (x Permission_GranteeType) Enum() *Permission_GranteeType {
 p := new(Permission_GranteeType)
 *p = x
 return p
}

func (x Permission_GranteeType) String() string {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_GranteeType) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0].Descriptor()
}

func (Permission_GranteeType) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0]
}
```

```
func (x Permission_GranteeType) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_GranteeType.Descriptor instead.
func (Permission_GranteeType) EnumDescriptor() ([]byte,
 []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 0}
}

// Defines the role granted by this permission.
type Permission_Role int32

const (
 // The default value. This value is unused.
 Permission_ROLE_UNSPECIFIED Permission_Role = 0
 // Owner can use, update, share and delete the resource.
 Permission_OWNER Permission_Role = 1
 // Writer can use, update and share the resource.
 Permission_WRITER Permission_Role = 2
 // Reader can use the resource.
 Permission_READER Permission_Role = 3
)

// Enum value maps for Permission_Role.
var (
 Permission_Role_name = map[int32]string{
  0: "ROLE_UNSPECIFIED",
  1: "OWNER",
  2: "WRITER",
  3: "READER",
 }
 Permission_Role_value = map[string]int32{
  "ROLE_UNSPECIFIED": 0,
  "OWNER":            1,
  "WRITER":           2,
  "READER":           3,
 }
)

func (x Permission_Role) Enum() *Permission_Role {
 p := new(Permission_Role)
 *p = x
 return p
}

func (x Permission_Role) String() string {
 return
```

```
 protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_Role) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1].Descriptor()
}

func (Permission_Role) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1]
}

func (x Permission_Role) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_Role.Descriptor instead.
func (Permission_Role) EnumDescriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 1}
}

// Permission resource grants user, group or the rest of the world access to the
// PaLM API resource (e.g. a tuned model, corpus).
//
// A role is a collection of permitted operations that allows users to perform
// specific actions on PaLM API resources. To make them available to users,
// groups, or service accounts,
 you assign roles. When you assign a role, you
// grant permissions that the role contains.
//
// There are three concentric roles. Each role is a superset of the previous
// role's permitted operations:
//
// - reader can use the resource (e.g. tuned model, corpus) for inference
// - writer has reader's permissions and additionally can edit and share
// - owner has writer's permissions and additionally can delete
type Permission struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Output only. Identifier. The permission name. A unique name will be
 // generated on create. Examples:
 //
 // tunedModels/{tuned_model}/permissions/{permission}
 // corpora/{corpus}/permissions/{permission}
 //
 // Output only.
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
```

```
 // Optional. Immutable. The type of the grantee.
 GranteeType *Permission_GranteeType
`protobuf:"varint,2,opt,name=grantee_type,json=granteeType,proto3,enum=google.ai.generativelanguage.v1beta.Pe
rmission_GranteeType,oneof"
 json:"grantee_type,omitempty"`
 // Optional. Immutable. The email address of the user of group which this
 // permission refers. Field is not set when permission's grantee type is
 // EVERYONE.
 EmailAddress *string `protobuf:"bytes,3,opt,name=email_address,json=emailAddress,proto3,oneof"
json:"email_address,omitempty"`
 // Required. The role granted by this permission.
 Role *Permission_Role
`protobuf:"varint,4,opt,name=role,proto3,enum=google.ai.generativelanguage.v1beta.Permission_Role,oneof"
json:"role,omitempty"`
}

func (x *Permission) Reset() {
 *x = Permission{}
 if protoimpl.UnsafeEnabled {
  mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  ms.StoreMessageInfo(mi)
 }
}

func (x *Permission) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*Permission) ProtoMessage() {}

func (x *Permission)
 ProtoReflect() protoreflect.Message {
 mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
 if protoimpl.UnsafeEnabled && x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use Permission.ProtoReflect.Descriptor instead.
func (*Permission) Descriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0}
}
```

```
func (x *Permission) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *Permission) GetGranteeType() Permission_GranteeType {
 if x != nil && x.GranteeType != nil {
  return *x.GranteeType
 }
 return Permission_GRANTEE_TYPE_UNSPECIFIED
}

func (x *Permission) GetEmailAddress() string {
 if x != nil && x.EmailAddress != nil {
  return *x.EmailAddress
 }
 return ""
}

func (x *Permission) GetRole() Permission_Role {
 if x != nil && x.Role
 != nil {
  return *x.Role
 }
 return Permission_ROLE_UNSPECIFIED
}

var File_google_ai_generativelanguage_v1beta_permission_proto protoreflect.FileDescriptor

var file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = []byte{
 0x0a, 0x34, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x23, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x1a, 0x1f, 0x67, 0x6f, 0x6f,
 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x62, 0x65,
 0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a,
 0x19, 0x67, 0x6f,
 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75, 0x72, 0x63,
 0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0x85, 0x05, 0x0a, 0x0a, 0x50, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x1a, 0x0a, 0x04, 0x6e, 0x61, 0x6d, 0x65, 0x18, 0x01,
 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x03, 0xe0, 0x41, 0x08, 0x52, 0x04, 0x6e, 0x61,
 0x6d, 0x65, 0x12, 0x6b, 0x0a, 0x0c, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f, 0x74, 0x79,
 0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0e, 0x32, 0x3b, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
```

0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c,
0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50,
0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65,
0x65, 0x54, 0x79, 0x70, 0x65, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x00, 0x52,
0x0b, 0x67,
0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x88, 0x01, 0x01, 0x12,
0x30, 0x0a, 0x0d, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73,
0x18, 0x03, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x01,
0x52, 0x0c, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x41, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73, 0x88, 0x01,
0x01, 0x12, 0x52, 0x0a, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x18, 0x04, 0x20, 0x01, 0x28, 0x0e, 0x32,
0x34, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65,
0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76,
0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
0x2e, 0x52, 0x6f, 0x6c, 0x65, 0x42, 0x03, 0xe0, 0x41, 0x02, 0x48, 0x02, 0x52, 0x04, 0x72, 0x6f,
0x6c, 0x65, 0x88, 0x01, 0x01, 0x22, 0x4e, 0x0a, 0x0b, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65,
0x54, 0x79, 0x70, 0x65, 0x12, 0x1c, 0x0a,
0x18, 0x47, 0x52, 0x41, 0x4e, 0x54, 0x45, 0x45, 0x5f,
0x54, 0x59, 0x50, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45, 0x44,
0x10, 0x00, 0x12, 0x08, 0x0a, 0x04, 0x55, 0x53, 0x45, 0x52, 0x10, 0x01, 0x12, 0x09, 0x0a, 0x05,
0x47, 0x52, 0x4f, 0x55, 0x50, 0x10, 0x02, 0x12, 0x0c, 0x0a, 0x08, 0x45, 0x56, 0x45, 0x52, 0x59,
0x4f, 0x4e, 0x45, 0x10, 0x03, 0x22, 0x3f, 0x0a, 0x04, 0x52, 0x6f, 0x6c, 0x65, 0x12, 0x14, 0x0a,
0x10, 0x52, 0x4f, 0x4c, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45,
0x44, 0x10, 0x00, 0x12, 0x09, 0x0a, 0x05, 0x4f, 0x57, 0x4e, 0x45, 0x52, 0x10, 0x01, 0x12, 0x0a,
0x0a, 0x06, 0x57, 0x52, 0x49, 0x54, 0x45, 0x52, 0x10, 0x02, 0x12, 0x0a, 0x0a, 0x06, 0x52, 0x45,
0x41, 0x44, 0x45, 0x52, 0x10, 0x03, 0x3a, 0xaa, 0x01, 0xea, 0x41, 0xa6, 0x01, 0x0a, 0x2c, 0x67,
0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67,
0x65, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73,
0x2e, 0x63, 0x6f, 0x6d,
0x2f, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x32, 0x74, 0x75, 0x6e,
0x65, 0x64, 0x4d, 0x6f, 0x64, 0x65, 0x6c, 0x73, 0x2f, 0x7b, 0x74, 0x75, 0x6e, 0x65, 0x64, 0x5f,
0x6d, 0x6f, 0x64, 0x65, 0x6c, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f,
0x6e, 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x12,
0x29, 0x63, 0x6f, 0x72, 0x70, 0x6f, 0x72, 0x61, 0x2f, 0x7b, 0x63, 0x6f, 0x72, 0x70, 0x75, 0x73,
0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x2f, 0x7b, 0x70,
0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x2a, 0x0b, 0x70, 0x65, 0x72, 0x6d,
0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x32, 0x0a, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73,
0x69, 0x6f, 0x6e, 0x42, 0x0f, 0x0a, 0x0d, 0x5f, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f,
0x74, 0x79, 0x70, 0x65, 0x42, 0x10, 0x0a, 0x0e, 0x5f, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61,
0x64,
0x64, 0x72, 0x65, 0x73, 0x73, 0x42, 0x07, 0x0a, 0x05, 0x5f, 0x72, 0x6f, 0x6c, 0x65, 0x42,
0x9b, 0x01, 0x0a, 0x27, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x42, 0x0f, 0x50, 0x65, 0x72,
0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x50, 0x01, 0x5a, 0x5d,
0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6f, 0x6d,
0x2f, 0x67, 0x6f, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76,
0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x76, 0x31, 0x62,
0x65, 0x74, 0x61, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61,

```
 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x3b, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74,
 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e,
 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x62, 0x06, 0x70,
 0x72, 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce sync.Once
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc
)

func file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP() []byte {
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce.Do(func() {
  file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData)
 })
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData
}

var file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes = make([]protoimpl.EnumInfo, 2)
var file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes = make([]protoimpl.MessageInfo, 1)
var file_google_ai_generativelanguage_v1beta_permission_proto_goTypes
 = []any{
 (Permission_GranteeType)(0), // 0: google.ai.generativelanguage.v1beta.Permission.GranteeType
 (Permission_Role)(0),        // 1: google.ai.generativelanguage.v1beta.Permission.Role
 (*Permission)(nil),          // 2: google.ai.generativelanguage.v1beta.Permission
}
var file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = []int32{
 0, // 0: google.ai.generativelanguage.v1beta.Permission.grantee_type:type_name ->
google.ai.generativelanguage.v1beta.Permission.GranteeType
 1, // 1: google.ai.generativelanguage.v1beta.Permission.role:type_name ->
google.ai.generativelanguage.v1beta.Permission.Role
 2, // [2:2] is the sub-list for method output_type
 2, // [2:2] is the sub-list for method input_type
 2, // [2:2] is the sub-list for extension type_name
 2, // [2:2] is the sub-list for extension extendee
 0, // [0:2] is the sub-list for field type_name
}

func init() { file_google_ai_generativelanguage_v1beta_permission_proto_init() }
func
 file_google_ai_generativelanguage_v1beta_permission_proto_init() {
 if File_google_ai_generativelanguage_v1beta_permission_proto != nil {
  return
 }
 if !protoimpl.UnsafeEnabled {
  file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].Exporter = func(v any, i int) any {
```

```
  switch v := v.(*Permission); i {
  case 0:
   return &v.state
  case 1:
   return &v.sizeCache
  case 2:
   return &v.unknownFields
  default:
   return nil
  }
 }
}
file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].OneofWrappers = []any{}
type x struct{}
out := protoimpl.TypeBuilder{
 File: protoimpl.DescBuilder{
  GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
  RawDescriptor: file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc,
  NumEnums:      2,
  NumMessages:   1,
  NumExtensions: 0,
  NumServices:   0,
 },
 GoTypes:          file_google_ai_generativelanguage_v1beta_permission_proto_goTypes,
 DependencyIndexes: file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs,
 EnumInfos:
        file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes,
 MessageInfos:      file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes,
}.Build()
File_google_ai_generativelanguage_v1beta_permission_proto = out.File
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = nil
file_google_ai_generativelanguage_v1beta_permission_proto_goTypes = nil
file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = nil
}
// Copyright 2024 Google LLC
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// distributed under the License is distributed on an "AS IS" BASIS,
// WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
// See the License for the specific language governing permissions and
// limitations under the License.
```

```
// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute

import (
 "bytes"
 "context"
 "fmt"
 "io"
 "math"
 "net/http"
 "net/url"
 "time"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/googleapi"
 "google.golang.org/api/iterator"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport
 "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/protobuf/encoding/protojson"
 "google.golang.org/protobuf/proto"
)

var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
 Delete            []gax.CallOption
 Get               []gax.CallOption
 GetIamPolicy      []gax.CallOption
 Insert            []gax.CallOption
 List              []gax.CallOption
 SetIamPolicy      []gax.CallOption
 TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
 return &LicensesCallOptions{
  Delete: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  Get: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
```

```
   return gax.OnHTTPCodes(gax.Backoff{
    Initial:    100 * time.Millisecond,
    Max:        60000 * time.Millisecond,
    Multiplier: 1.30,
   },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
  }),
 },
 GetIamPolicy:
[]gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
  gax.WithRetry(func() gax.Retryer {
   return gax.OnHTTPCodes(gax.Backoff{
    Initial:    100 * time.Millisecond,
    Max:        60000 * time.Millisecond,
    Multiplier: 1.30,
   },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
  }),
 },
 Insert: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
 },
 List: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
  gax.WithRetry(func() gax.Retryer {
   return gax.OnHTTPCodes(gax.Backoff{
    Initial:    100 * time.Millisecond,
    Max:        60000 * time.Millisecond,
    Multiplier: 1.30,
   },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
  }),
 },
 SetIamPolicy: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
 },
 TestIamPermissions: []gax.CallOption{
  gax.WithTimeout(600000
* time.Millisecond),
 },
}
}

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
```

```
type internalLicensesClient interface {
 Close() error
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
 Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
 Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
 GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
 List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
 SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse,
 error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicensesClient

 // The call options for this service.
 CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
 return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

//
 Connection returns a connection to the API service.
//
```

```
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
 return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption) (*computepb.License, error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy
 for a resource. May be empty if no such policy or resource exists. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
 return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
 list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
 return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
```

```
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use
 only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // operationClient is used to call the operation-specific management service.
 operationClient *GlobalOperationsClient

 // The x-goog-* headers to be sent with each request.
 xGoogHeaders []string

 // Points back to the CallOptions field of the containing LicensesClient
 CallOptions **LicensesCallOptions
}

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx
 context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
 clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicensesRESTCallOptions()
 c := &licensesRESTClient{
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
```

```
 }
 c.setGoogleClientInfo()

 o := []option.ClientOption{
  option.WithHTTPClient(httpClient),
  option.WithEndpoint(endpoint),
 }
 opC, err := NewGlobalOperationsRESTClient(ctx, o...)
 if err != nil {
  return nil, err
 }
 c.operationClient = opC

 return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultEndpointTemplate("https://compute.UNIVERSE_DOMAIN"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultUniverseDomain("googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
  internaloption.EnableNewAuthLibrary(),
 }
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogHeaders = []string{
  "x-goog-api-client", gax.XGoogHeader(kv...),
 }
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
 // Replace httpClient with nil to force cleanup.
 c.httpClient
 = nil
 if err := c.operationClient.Close(); err != nil {
  return err
```

```
 }
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
 return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params",
 fmt.Sprintf("%s=%v&%s=%v", "project", url.QueryEscape(req.GetProject()), "license",
url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
```

```
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf,
err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 // Build HTTP headers from client and context metadata.
```

```
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()),
 "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.License{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err
 := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}
```

```
// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

 params := url.Values{}
 if req != nil && req.OptionsRequestedPolicyVersion != nil {
  params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and
 context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()
```

```
 if err = googleapi.CheckResponse(httpRsp);
err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetLicenseResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId",
 fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()
```

```
// Build HTTP headers from client and context metadata.
hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v", "project", url.QueryEscape(req.GetProject()))}

hds = append(c.xGoogHeaders, hds...)
hds = append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err !=
nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
```

```
  proto:   resp,
  project: req.GetProject(),
  },
 }
 return op, nil
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-
cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating
Cloud Marketplace images.
func (c *licensesRESTClient)
 List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
 it := &LicenseIterator{}
 req = proto.Clone(req).(*computepb.ListLicensesRequest)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
  resp := &computepb.LicensesListResponse{}
  if pageToken != "" {
   req.PageToken = proto.String(pageToken)
  }
  if pageSize > math.MaxInt32 {
   req.MaxResults = proto.Uint32(math.MaxInt32)
  } else if pageSize != 0 {
   req.MaxResults = proto.Uint32(uint32(pageSize))
  }
  baseUrl, err := url.Parse(c.endpoint)
  if err != nil {
   return nil, "", err
  }
  baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

  params := url.Values{}
  if req != nil && req.Filter != nil {
   params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
  }
  if req != nil && req.MaxResults != nil {
   params.Add("maxResults",
 fmt.Sprintf("%v", req.GetMaxResults()))
  }
  if req != nil && req.OrderBy != nil {
   params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
  }
  if req != nil && req.PageToken != nil {
   params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
  }
  if req != nil && req.ReturnPartialSuccess != nil {
```

```
 params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
hds := append(c.xGoogHeaders, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
 if err != nil {
  return err
 }
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return
err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, "", e
}
it.Response = resp
return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
```

```
  items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
  if err != nil {
   return "", err
  }
  it.items = append(it.items, items...)
  return nextPageToken, nil
 }

 it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
 it.pageInfo.MaxSize = int(req.GetMaxResults())
 it.pageInfo.Token = req.GetPageToken()

 return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only
 by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetGlobalSetPolicyRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
 opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
```

```
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}

// TestIamPermissions returns permissions that a caller has on
 the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }
```

```
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type",
 "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
```

```
  return err
 }

 return
nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}
```

1.7821 libsnappy1v5 1.1.10-1build1

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1.7825 google-pprof 0.0.0-20240711041743-f6c9dda6c6da

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1.7826 gpg-agent 2.4.7-r0

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```
# Contributor: Patrycja Rosa <alpine@ptrcnull.me>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
```

```
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
 cdefs.h
 queue.h
 tree.h
"
builddir="$srcdir"
options="!check" # just headers

package() {
 mkdir -p "$pkgdir"
 install -Dm644 -t "$pkgdir"/usr/include/sys \
  cdefs.h queue.h tree.h
}
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178  cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750  queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3  tree.h
"
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/"
arch="all"
license="LGPL"
depends=
makedepends=
subpackages="$pkgname-dev"
source="http://ftp.gnome.org/pub/GNOME/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
 "

_builddir="$srcdir"/libart_lgpl-$pkgver
build() {
 cd "$_builddir"
 ./configure --prefix=/usr || return 1
 make || return 1
}

package() {
 cd "$_builddir"
 make DESTDIR="$pkgdir" install || return 1
 rm "$pkgdir"/usr/lib/*.la
```

}

md5sums="08559ff3c67fd95d57b0c5e91a6b4302 libart_lgpl-2.3.21.tar.bz2"
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"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95
http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html
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maintainer="Celeste <cielesti@protonmail.com>"
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=10
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"

```
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

build() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
  INSTALLDIRS=vendor \
  NO_PACKLIST=1 \
  NO_PERLLOCAL=1
 make
}

check() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 make test
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"
```

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pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"

```
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright"                  # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

package() {
 gpep517 install-wheel --destdir "$pkgdir" \
  .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
  flake8-copyright-0.2.4.tar.gz
"
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
 default_prepare

 cargo fetch --target="$CTARGET" --locked
}

build() {
 cargo auditable build --release --frozen
}

check() {
```

```
 cargo test --frozen
}

package() {
 install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5  cargo-license-0.6.1.tar.gz
"
```

mini_sendmail - accept email on behalf of real sendmail

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```
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
```

```
 "

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
 update_config_sub
 default_prepare
}

build() {
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
 make
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
```

1.7827 python3.12 3.12.3-1ubuntu0.4

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```
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands

as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see https://opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to

CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1
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Thanks to the many outside volunteers who have worked under Guido's
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1.7828 polkit 124-2ubuntu1.24.04.2

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dopo che avrete distribuito per l'ultima volta il Vim modificato
corrispondente alle modifiche stesse. Quando il manutentore o
qualcuno a cui voi avete distribuito il Vim modificato vi chiede
(in qualsiasi forma) le modifiche, entro il periodo qui indicato,
dovete fargliele avere.

- Dovete descrivere chiaramente nella distribuzione come possibile
mettersi in contatto con voi. Questa informazione di contatto
deve rimanere valida per almeno tre anni dopo l'ultima data di
distribuzione della corrispondente modifica di Vim, oppure il pi
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modifiche, potete distribuire il Vim modificato sotto la versione 2
della licenza GNU GPL versione 2 o una qualsiasi versione successiva
della stessa licenza.

3) Un messaggio deve essere aggiunto, almeno all'output del comando
":version" e nella schermata introduttiva, in modo che l'utilizzatore
del Vim modificato sia in grado di comprendere cosa stato modificato.
Quando si distribuisca come menzionato al punto 2)e) l'aggiunta del
messaggio richiesta solo se ci non conduca a conflitti con la
licenza usata per le modifiche.

4) L'informazione di contatto, richiesta ai punto 2)a) e 2)d) non deve
essere rimossa o modificata, tranne che per il fatto che la persona
stessa pu apportare delle correzioni.

III) Se distribuite una versione modificata di Vim, siete incoraggiati a
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modifiche a disposizione del manutentore, compreso il codice sorgente.
Il modo preferito in cui fare questo tramite e-mail o caricando
i file su un server ed inviandone l'indirizzo (URL) tramite e-mail.
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That's all there is to it!
Contributors to the EditorConfig Vim Plugin:

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uganda.txt For Vim version 9.1. Last change: 2024 Aug 14

VIM REFERENCE MANUAL by Bram Moolenaar

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==========
Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there usually is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that in the past 10 to 30% of the Ugandans are infected with HIV. Because parents
die, there are many orphans. In this district about 60,000 children
have lost one or both parents, out of a population of 350,000. Although AIDS is now mostly under control, the problems are still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the
orphans are living in an extended family. An uncle or older
sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These
are used to build a good latrine.
They are sold below cost price.

There is a clinic at the project, which provides children and their family medical help. Since 2020 a maternity ward was added and 24/7 service is available. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

donate

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic:

Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have
any further questions, send e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money: *iccf-donations*

Check the ICCF web site for the latest information! See |iccf| for the URL.

USA: The methods mentioned below can be used.
If you must send a check send it to our Canadian partner:
https://www.kuwasha.net/

Canada: Contact Kuwasha in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. Kuwasha forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Look on their site for information about sponsorship:
https://www.kuwasha.net/
If you make a donation to Kuwasha you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Amersfoort. This will allow for tax deduction if you live in Holland. ING bank, IBAN: NL95

INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.
Check the ICCF web site for the latest information:
https://iccf-holland.org/germany.html

Europe: Use a bank transfer if possible. See "Others" below for the
swift code and IBAN number.
Any other method should work. Ask for information about
sponsorship.

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The e-mail address for sending the money to is:
Bram@iccf-holland.org

Others: Transfer to this account if possible:
ING bank: IBAN: NL95 INGB 0004 5487 74
Swift code: INGBNL2A
under the name "stichting ICCF Holland", Amersfoort
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1    32  7679    7648 3.7M      8f8378c0-01
2  7680 16383    8704 4.3M      8f8378c0-02
5  7936 12799    4864 2.4M
6 12544 16127    3584 1.8M
```

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Version 2.1, February 1999

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1.7848 spring-boot-jarmode-layertools 2.7.18

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* /opt/cola/permits/2327367870_1737630123.2020104/0/javassist-3-27-0-ga-sources-5-jar/javassist/bytecode/annotation/FloatMemberValue.java
* /opt/cola/permits/2327367870_1737630123.2020104/0/javassist-3-27-0-ga-sources-5-jar/javassist/bytecode/annotation/Annotation.java
* /opt/cola/permits/2327367870_1737630123.2020104/0/javassist-3-27-0-ga-sources-5-jar/javassist/bytecode/annotation/BooleanMemberValue.java
* /opt/cola/permits/2327367870_1737630123.2020104/0/javassist-3-27-0-ga-sources-5-jar/javassist/bytecode/annotation/ClassMemberValue.java
* /opt/cola/permits/2327367870_1737630123.2020104/0/javassist-3-27-0-ga-sources-5-jar/javassist/bytecode/annotation/MemberValue.java

* /opt/cola/permits/2327367870_1737630123.2020104/0/javassist-3-27-0-ga-sources-5-jar/javassist/bytecode/annotation/ArrayMemberValue.java
* /opt/cola/permits/2327367870_1737630123.2020104/0/javassist-3-27-0-ga-sources-5-jar/javassist/bytecode/annotation/ShortMemberValue.java
* /opt/cola/permits/2327367870_1737630123.2020104/0/javassist-3-27-0-ga-sources-5-jar/javassist/bytecode/annotation/ByteMemberValue.java
* /opt/cola/permits/2327367870_1737630123.2020104/0/javassist-3-27-0-ga-sources-5-jar/javassist/bytecode/annotation/EnumMemberValue.java
* /opt/cola/permits/2327367870_1737630123.2020104/0/javassist-3-27-0-ga-sources-5-jar/javassist/bytecode/annotation/DoubleMemberValue.java
* /opt/cola/permits/2327367870_1737630123.2020104/0/javassist-3-27-0-ga-sources-5-jar/javassist/bytecode/annotation/LongMemberValue.java
* /opt/cola/permits/2327367870_1737630123.2020104/0/javassist-3-27-0-ga-sources-5-jar/javassist/bytecode/annotation/MemberValueVisitor.java
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* /opt/cola/permits/2327367870_1737630123.2020104/0/javassist-3-27-0-ga-sources-5-jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/cola/permits/2327367870_1737630123.2020104/0/javassist-3-27-0-ga-sources-5-jar/javassist/bytecode/annotation/AnnotationMemberValue.java
* /opt/cola/permits/2327367870_1737630123.2020104/0/javassist-3-27-0-ga-sources-5-jar/javassist/bytecode/annotation/IntegerMemberValue.java

1.7850 mtd-utils 3.28-1

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NR START END SECTORS SIZE NAME UUID
1 32 7679 7648 3.7M 8f8378c0-01
2 7680 16383 8704 4.3M 8f8378c0-02
5 7936 12799 4864 2.4M
6 12544 16127 3584 1.8M

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Gallium code src/gallium/ MIT

Ext headers GL/glext.h Khronos

GL/glxext.h Khronos
GL/wglext.h Khronos
KHR/khrplatform.h Khronos

****

---
include/GL/gl.h :

Mesa 3-D
graphics library

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---
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1.7860 tar-split 0.11.6

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1.7861 stargz-snapshotter-estargz 0.16.3

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1.7874 otel-metric 1.34.0

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1.7875 ca-certificates-bundle 20241121-r1

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```
# Contributor: Patrycja Rosa <alpine@ptrcnull.me>
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pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
 cdefs.h
 queue.h
 tree.h
"
builddir="$srcdir"
options="!check" # just headers

package() {
 mkdir -p "$pkgdir"
 install -Dm644 -t "$pkgdir"/usr/include/sys \
  cdefs.h queue.h tree.h
```

```
}
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178  cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750  queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3  tree.h
"
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
 "

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
 update_config_sub
 default_prepare
}

build() {
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
 make
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
```

1.7876 selinux 3.5-2ubuntu2.1

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1.7877 libgpg-error 1.47-3build2.1

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url="http://search.cpan.org/dist/Software-License/"
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cpandepends="perl-text-template perl-data-section perl-sub-install"
cpanmakedepends="   "
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/R/RJ/RJBS/$_pkgreal-$pkgver.tar.gz"

_builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
 cd "$_builddir"
 export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
 PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
 cd "$_builddir"
 export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
 make && make test
}

package() {
 cd "$_builddir"
 make
 DESTDIR="$pkgdir" install || return 1
 find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
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pkgname=py-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.0
pkgrel=0
pkgdesc="Extension for flake8 which checks for copyrights"
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="flake8"
makedepends="python3-dev"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

build() {
 cd "$builddir"
 python3 setup.py build || return 1
}

package() {
 cd "$builddir"
 python3 setup.py install --prefix=/usr --root="$pkgdir" || return 1
}

md5sums="c6348990c6d74933bf5d5f6a55a14bdf  flake8-copyright-0.2.0.tar.gz"
sha256sums="aeef26eb4d5223c9cd5b101e68175fcef6d2b353bf36da688fdde62fccfe2b73  flake8-copyright-
```

0.2.0.tar.gz"
sha512sums="bab1bfaeed3a525ac3c7da12b1f2ec338c204cc69b72d05cd39560e528faff5d586c3b1be9570f4a977a7e2417b586e543bfba12abce256b2023c8c4993eeb90
flake8-copyright-0.2.0.tar.gz"
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mini_sendmail - accept email on behalf of real sendmail

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```
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/"
arch="all"
license="LGPL"
depends=
makedepends=
subpackages="$pkgname-dev"
source="http://ftp.gnome.org/pub/GNOME/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
 "

_builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
 cd "$_builddir"
 update_config_sub || return 1
}
build() {
 cd "$_builddir"
```

```
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr \
  || return 1
 make || return 1
}

package() {
 cd "$_builddir"
 make DESTDIR="$pkgdir" install || return 1
}

md5sums="08559ff3c67fd95d57b0c5e91a6b4302  libart_lgpl-2.3.21.tar.bz2"
# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2909
pkgrel=1
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="http://search.cpan.org/dist/BSD-Resource/"
arch="all"
license="GPL PerlArtistic"
cpandepends=""
cpanmakedepends="   "
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

_builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
 cd "$_builddir"
 export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
 PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
 cd "$_builddir"
 export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
 make && make test || return 1
}

package() {
 cd "$_builddir"
```

```
 make DESTDIR="$pkgdir" install || return 1
 find "$pkgdir"
 \( -name perllocal.pod -o -name .packlist \) -delete
}

md5sums="3c6dd2fa953088aa87e263f40818d012  BSD-Resource-1.2909.tar.gz"
sha256sums="c47d460e2bd00d8d049f6ff4a0f1f61957e289e8de45af5fc79e851e2e855e06  BSD-Resource-
1.2909.tar.gz"
sha512sums="5f489eaac5089e82081b7cf51d62638750e443751b49415407354da96b17771819b5e6e85529faa41ddd
85743363750157943c7f7700276cce2bd40a429fa430  BSD-Resource-1.2909.tar.gz"
```

1.7885 azure-sdk-for-go-sdk-keyvault-azkeys 0.9.0

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1.7886 azure-sdk-for-go-sdk-keyvault-internal 0.7.0

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1.7887 pcre 10.42-4ubuntu2.1

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1.7888 elfutils 0.190-1.1build4.1

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1.7889 perl 5.38.2-3.2build2.1

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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: package.U,v $
?RCS: Revision 3.0.1.3 1994/10/29 16:27:21 ram
?RCS: patch36: beware of non-ascii character sets when translating case
?RCS:
?RCS: Revision 3.0.1.2 1993/11/10 17:37:02 ram
?RCS: patch14: skip definition of spackage if not otherwise used
?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 16:11:10 ram
?RCS: patch10: added spackage, suitable for starting sentences
?RCS:

```
?RCS: Revision 3.0  1993/08/18  12:09:28  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:package spackage:
 Nothing
?MAKE: -pick wipe $@ %<
?S:package:
?S: This variable contains the name of the package being constructed.
?S: It is primarily intended for the use of later Configure units.
?S:.
?S:spackage:
?S: This variable contains the name of the package being constructed,
?S: with the first letter uppercased, i.e. suitable for starting
?S: sentences.
?S:.
?C:PACKAGE:
?C: This variable contains the name of the package being built.
?C:.
?H:#define PACKAGE "$package"
?H:.
?T:first last
: set package name
package='<PACKAGENAME>'
@if spackage
first=`echo $package | sed -e 's/^\(.\).*/\1/'`
last=`echo $package | sed -e 's/^.\(.*\)/\1/'`
?X:
?X: So early in the Configure script, we don't have ./tr set up and can't
?X: include Tr in our dependency or that would create a cycle. Therefore,
?X: we have to somehow duplicate the work done in Tr. That's life.
?X:
case "`echo AbyZ | tr '[:lower:]' '[:upper:]' 2>/dev/null`" in
ABYZ) spackage=`echo $first | tr '[:lower:]' '[:upper:]'`$last;;
*) spackage=`echo
 $first | tr '[a-z]' '[A-Z]'`$last;;
esac
@end
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/package.U
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```
?RCS: $Id: manfmt.U 1 2006-08-24 12:32:52Z rmanfredi $
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: manfmt.U,v $
?RCS: Revision 3.0.1.5  1997/02/28  16:11:57  ram
?RCS: patch61: don't ask for AFS when they choose to not install pages
?RCS:
?RCS: Revision 3.0.1.4  1995/09/25  09:16:52  ram
?RCS: patch59: unit is now forced to the top of Configure, if possible
?RCS:
?RCS: Revision 3.0.1.3  1995/01/30  14:39:20  ram
?RCS: patch49: new installmanfmt and AFS-lookup for formatted man pages
?RCS: patch49: can now handle installation prefix changes (from WED)
?RCS:
?RCS:
 Revision 3.0.1.2  1994/08/29  16:30:31  ram
?RCS: patch32: now uses installation prefix for default setting
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:09:22  ram
?RCS: patch10: allows for L1 man page extension (WAD)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:13  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:manfmt manfmtexp installmanfmt: Getfile Loc Oldconfig cat manext \
 spackage Prefixit prefixexp Prefixup afs test
?MAKE: -pick add $@ %<
?Y:TOP
?S:manfmt:
?S: This variable contains the name of the directory in which formatted
?S: manual pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command. Note
?S: that you may have to do ~name substitution. Use manfmtexp otherwise.
?S:.
?S:manfmtexp:
?S: This is the same as the manfmt variable, but is filename expanded
?S: at configuration time, for programs not willing to deal with it at
?S: run-time.
?S:.
?S:installmanfmt:
?S: This variable is really
 the same as manfmtexp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: mansrcexp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
```

```
?LINT:change manext
?T:lookpath
: determine where manual pages go
set manfmt manfmt
eval $prefixit
$cat <<EOM

$spackage has pre-formatted manual pages.  If you don't want these installed,
answer 'none' to the next question.

EOM
case "$manfmt" in
")
 lookpath="$prefixexp/catman/man1 $prefixexp/man/cat1"
 lookpath="$lookpath $prefixexp/catman/u_man/man1"
 lookpath="$lookpath $prefixexp/catman/l_man/man1"
 lookpath="$lookpath $prefixexp/catman/cat1 /usr/catman/local/man1"
 lookpath="$lookpath /usr/catman/manl /usr/man/cat1"
 lookpath="$lookpath /usr/catman/mann /usr/catman/l_man/man1"
 lookpath="$lookpath /usr/catman/u_man/man1 /usr/catman/man1"
 dflt=`./loc . none $lookpath`
 set dflt
 eval $prefixup
 ;;
*)  dflt="$manfmt"
 ;;
esac
fn=dn~
rp='Where
 do pre-formatted manual pages go?'
. ./getfile
if test "X$manfmtexp" != "X$ansexp"; then
 installmanfmt=''
fi
manfmt="$ans"
manfmtexp="$ansexp"
if $afs && $test "$manfmt"; then
 $cat <<EOM

Since you are running AFS, I need to distinguish the directory in which
manual pages reside from the directory in which they are installed (and from
which they are presumably copied to the former directory by occult means).

EOM
 case "$installmanfmt" in
 '') dflt=`echo $manfmtexp | sed 's#^/afs/#/afs/.#'`;;
 *) dflt="$installmanfmt";;
 esac
```

```
 fn=de~
 rp='Where will pre-formatted man pages be installed?'
 . ./getfile
 installmanfmt="$ans"
else
 installmanfmt="$manfmtexp"
fi

case "$manfmt" in
") manext='0';;
*l) manext=l;;
*n) manext=n;;
*o) manext=l;;
*p) manext=n;;
*C) manext=C;;
*L) manext=L;;
*L1) manext=L1;;
*) manext=1;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/manfmt.U
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```
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?RCS:
?RCS: $Log: Extract.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  14:58:52  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  15:51:46  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:52  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a shell script which can be doted in order to extract
?X: .SH files with variable substitutions.
```

```
?X:
?X: When running
 Configure from a remote directory ($src is not '.'),
?X: then the files will be created in that directory, so beware!
?X:
?MAKE:Extract: src
?MAKE: -pick add $@ %<
?F:./extract
?T:PERL_CONFIG_SH dir file name create mkdir_p
: script used to extract .SH files with variable substitutions
cat >extract <<'EOS'
PERL_CONFIG_SH=true
echo "Doing variable substitutions on .SH files..."
if test -f MANIFEST; then
 set x `awk '{print $1}' < MANIFEST | grep '\.SH$'`
else
 echo "(Looking for .SH files under the source directory.)"
 set x `(cd "$src"; find . -name "*.SH" -print)`
fi
shift
case $# in
0) set x `(cd "$src"; echo *.SH)`; shift;;
esac
if test ! -f "$src/$1"; then
 shift
fi
?X: script to emulate mkdir -p
mkdir_p='
name=$1;
create="";
while test $name; do
 if test ! -d "$name"; then
  create="$name $create";
  name=`echo $name | sed -e "s|^[^/]*$||"`;
  name=`echo $name | sed -e "s|\(.*\)/.*|\1|"`;
 else
  name="";
 fi;
done;
for file in $create; do
 mkdir $file;
done
'
for file in $*;
 do
 case "$src" in
 ".")
  case "$file" in
```

```
  */*)
   dir=`expr X$file : 'X\(.*\)/'`
   file=`expr X$file : 'X.*/\(.*\)'`
   (cd "$dir" && . ./$file)
   ;;
  *)
   . ./$file
   ;;
  esac
  ;;
 *)
?X:
?X: When running Configure remotely ($src is not '.'), we cannot source
?X: the files directly, since that would wrongly cause the extraction
?X: where the source lie instead of withing the current directory. Therefore,
?X: we need to 'sh <file' then, which is okay since they will source the
?X: existing config.sh file. It's not possible to use:
?X:  ../src/Configure -S -O -Dsomething
?X: unfortunately since no new config.sh with the -Dsomething override
?X: will be created before running the .SH files. A minor buglet.
?X:
?X: Note that we must create the directory hierarchy ourselves if it does
?X: not exist already, and that is done through a shell emulation of the
?X: 'mkdir -p' command. We don't want to use the $installdir metaconfig
?X: symbol here since that would require too much to
 be configured for
?X: this simple extraction task that may happen quickly with 'Configure -S'.
?X:  -- RAM, 18/03/96
?X:
  case "$file" in
  */*)
   dir=`expr X$file : 'X\(.*\)/'`
   file=`expr X$file : 'X.*/\(.*\)'`
   (set x $dir; shift; eval $mkdir_p)
   sh <"$src/$dir/$file"
   ;;
  *)
   sh <"$src/$file"
   ;;
  esac
  ;;
 esac
done
if test -f "$src/config_h.SH"; then
 if test ! -f config.h; then
 : oops, they left it out of MANIFEST, probably, so do it anyway.
 . "$src/config_h.SH"
 fi
```

```
fi
EOS
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Extract.U
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```
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?RCS:
?RCS: $Log: Whoa.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  15:21:21  ram
?RCS: patch61: whoa script now starts with leading "startsh"
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  16:02:01  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:19  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in in order
?X: to warn the user in case a change into a variable
 is noticed.
?X:
?X: To use this unit, $was must hold the old value that has changed. Upon
?X: exit, the two variables $td and $tu are set to the correct value for
?X: respectively defining or undefining a variable. For instance, if $vas was
?X: $undef, but now $var is $define, after calling . whoa, you should use
?X: eval "$var=\$tu" to finally set $var to the correct value. See unit Inlibc.
?X:
?MAKE:Whoa: Myread startsh hint
?MAKE: -pick add $@ %<
?F:./whoa
?T:var was td tu hintfile
: set up the script used to warn in case of inconsistency
cat <<EOS >whoa
$startsh
EOS
cat <<'EOSC' >>whoa
```

```
dflt=y
case "$hint" in
   recommended)
 case "$hintfile" in
 ") echo "The $hint value for \$$var on this machine was \"$was\"!" >&4
  ;;
 *) echo "Hmm.  Based on the hints in hints/$hintfile.sh, " >&4
  echo "the $hint value for \$$var on this machine was \"$was\"!" >&4
  ;;
 esac
 ;;
   *) echo " "
 echo "*** WHOA THERE!!! ***" >&4
 echo "    The $hint value for \$$var on this machine was
 \"$was\"!" >&4
 ;;
esac
rp="    Keep the $hint value?"
. ./myread
case "$ans" in
y) td=$was; tu=$was;;
esac
EOSC
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Whoa.U
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?RCS:
?RCS: $Log: Oldsym.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:06:58  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:13  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit follows the creation of the config.sh file. It adds some
```

```
?X: special symbols: defines from patchlevel.h file if any and CONFIG,
?X: which is set to true. Then, we try to keep all the new symbols that
?X: may come from a hint file or a previous config.sh file.
?X:
?MAKE:Oldsym:
 Config_sh Options test hint src sed sort uniq
?MAKE: -pick add $@ %<
?T:CONFIG sym tmp
?F:!UU
: add special variables
$test -f $src/patchlevel.h && \
awk '/^#define/ {printf "%s=%s\n",$2,$3}' $src/patchlevel.h >>config.sh
echo "CONFIG=true" >>config.sh

: propagate old symbols
if $test -f UU/config.sh; then
?X: Make sure each symbol is unique in oldconfig.sh
 <UU/config.sh $sort | $uniq >UU/oldconfig.sh
?X:
?X: All the symbols that appear twice come only from config.sh (hence the
?X: two config.sh in the command line). These symbols will be removed by
?X: the uniq -u command. The oldsyms file thus contains all the symbols
?X: that did not appear in the produced config.sh (Larry Wall).
?X:
?X: Do not touch the -u flag of uniq.  This means you too, Jarkko.
?X:
 $sed -n 's/^\([a-zA-Z_0-9]*\)=.*/\1/p' \
  config.sh config.sh UU/oldconfig.sh |\
  $sort | $uniq -u >UU/oldsyms
 set X `cat UU/oldsyms`
 shift
 case $# in
 0) ;;
 *)
  cat <<EOM
Hmm...You had some extra variables I don't know about...I'll
 try to keep 'em...
EOM
  echo ": Variables propagated from previous config.sh file." >>config.sh
  for sym in `cat UU/oldsyms`; do
   echo "    Propagating $hint variable "'$'"$sym..."
   eval 'tmp="$'"${sym}"'"'
   echo "$tmp" | \
    sed -e "s/'/'\''\''/g" -e "s/^/$sym='/" -e "s/$/'/" >>config.sh
  done
  ;;
 esac
fi
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Oldsym.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: contains.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: contains.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:35  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:contains: Nothing
?MAKE: -pick add $@ %<
?S:contains:
?S: This variable holds the command to do a grep with a proper return
?S: status.  On most sane systems it is simply "grep".  On insane systems
?S: it is a grep followed by a cat followed by a test.  This variable
?S: is primarily for the use of other Configure units.
?S:.
: Some
 greps do not return status, grrr.
echo "grimblepritz" >grimble
if grep blurfldyick grimble >/dev/null 2>&1 ; then
 contains=contains
elif grep grimblepritz grimble >/dev/null 2>&1 ; then
 contains=grep
else
 contains=contains
fi
rm -f grimble
: the following should work in any shell
case "$contains" in
contains*)
 echo " "
 echo "AGH!  Grep doesn't return a status.  Attempting remedial action."
 cat >contains <<'EOSS'
grep "$1" "$2" >.greptmp && cat .greptmp && test -s .greptmp
EOSS
chmod +x contains
```

esac

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/contains.U
No license file was found, but licenses were detected in source scan.

?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS: You may distribute under the terms of either the GNU General Public

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/startperl.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/privlib.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/a_dvisory/multiarch.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_portable.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/perlpath.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/archlib.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: etc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: etc.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:07 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:etc etcexp: Getfile Loc Oldconfig
?MAKE: -pick add $@ %<
?S:etc:
?S: This variable holds the name of the directory in which the user wants
?S: to put "administrative" executable images for the package in question.
?S: It is most often a local directory such as /usr/local/etc. Programs
?S: relying on this variable must be prepared to deal with
 ~name
?S: substitutions.

```
?S:.
?S:etcexp:
?S: This is the same as the etc variable, but is filename expanded at
?S: configuration time, for convenient use in makefiles.
?S:.
: determine where administrative executables go
case "$etc" in
")
 dflt=`./loc . /local/etc /usr/local/etc /local/etc /usr/etc /etc`
 ;;
*)
 dflt="$etc"
 ;;
esac
fn=d~
rp='Where should the administrative executables go?'
. ./getfile
etc="$ans"
etcexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/etc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Unix.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:20:06  ram
?RCS: patch61: created
?RCS:
?X:
?X: The purpose of this unit is to define things that are common across all
?X: known UNIX platforms. If Configure is ported/used on a non-UNIX
?X: environment, then some of the following variables can be redefined in hint
?X: files.
?X:
?MAKE:Unix _a _o firstmakefile archobjs: Oldconfig
?MAKE: -pick add $@ %<
```

```
?S:_a (lib_ext):
?S: This variable defines the extension
 used for ordinary libraries.
?S: For unix, it is '.a'.  The '.' is included.  Other possible
?S: values include '.lib'.
?S:.
?S:_o (obj_ext):
?S: This variable defines the extension used for object files.
?S: For unix, it is '.o'.  The '.' is included.  Other possible
?S: values include '.obj'.
?S:.
?S:firstmakefile:
?S: This variable defines the first file searched by make.  On unix,
?S: it is makefile (then Makefile).  On case-insensitive systems,
?S: it might be something else.  This is only used to deal with
?S: convoluted make depend tricks.
?S:.
?S:archobjs:
?S: This variable defines any additional objects that must be linked
?S: in with the program on this architecture.  On unix, it is usually
?S: empty.  It is typically used to include emulations of unix calls
?S: or other facilities.  For perl on OS/2, for example, this would
?S: include os2/os2.obj.
?S:.
?INIT:: Extra object files, if any, needed on this platform.
?INIT:archobjs=''
: Define several unixisms.
: Hints files
 or command line option can be used to override them.
case "$_a" in
'') _a='.a';;
esac
case "$_o" in
'') _o='.o';;
esac

@if firstmakefile
: Which makefile gets called first.  This is used by make depend.
case "$firstmakefile" in
'') firstmakefile='makefile';;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Unix.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Mkdirp.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extract.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  14:58:52  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  15:51:46  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:52  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a shell script which can launched to create a
?X: directory path like "mkdir -p" would do.
?X:
?MAKE:Mkdirp:
 eunicefix startsh
?MAKE: -pick add $@ %<
?F:./mkdirp
?T:name create file
: script used to emulate mkdir -p
cat >mkdirp <<EOS
$startsh
EOS
cat >>mkdirp <<'EOS'
name=$1;
create="";
while test $name; do
 if test ! -d "$name"; then
  create="$name $create"
  name=`echo $name | sed -e "s|^[^/]*$||"`
  name=`echo $name | sed -e "s|\(.*\)/.*|\1|"`
 else
  name=""
 fi
done
for file in $create; do
```

```
 mkdir $file
done
EOS
chmod +x mkdirp
$eunicefix mkdirp
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Mkdirp.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: MailAuthor.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: MailAuthor.U,v $
?RCS: Revision 3.0.1.5  1997/02/28  15:04:41  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.4  1994/08/29  16:05:09  ram
?RCS: patch32: avoid message sending if they said no previously
?RCS:
?RCS: Revision 3.0.1.3  1993/10/16  13:47:30  ram
?RCS: patch12: now makes sure user-specified address is in Internet format
?RCS:
?RCS: Revision
 3.0.1.2  1993/09/13  15:48:49  ram
?RCS: patch10: reverted to original intent by the Author himself
?RCS:
?RCS: Revision 3.0.1.1  1993/08/27  14:38:38  ram
?RCS: patch7: now prompts user for its e-mail address
?RCS: patch7: no longer silent when mail has been sent
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:06  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?RCS:
?X:
?X: This unit asks the user to please send a message to the author.
?X: To force inclusion of this unit, you must add it's name to the
```

```
?X: dependancies on the MAKE line in your private copy of End.U.
?X: This allows a smart mailagent program to automatically let users know
?X: when their package is out of date, and to allow users to be notified of
?X: any future patches.
?X:
?MAKE:MailAuthor mailpatches notifypatches usermail: test cat mailer \
 package Myread patchlevel baserev rm rsrc Oldconfig Configdir
?MAKE: -pick wipe $@ %<
?S:mailpatches:
?S: Indicates whether the user would like future patches to be mailed
?S: directly
 to them.
?S:.
?S:notifypatches:
?S: Indicates whether the user would like notification of future patches
?S: mailed to them.
?S:.
?S:usermail:
?S: This variable is used internally by Configure to keep track of the
?S: user e-mail address, where notifications or patches should be sent.
?S: A '-' value means the return address will be extracted by parsing
?S: the mail headers.
?S:.
?T:opt mailpatches notifypatches atsh status
: notify author that his package is used
if $test -f ../.config/mailauthor &&
 cmp $rsrc/patchlevel.h ../.config/mailauthor >/dev/null 2>&1
then
 status="say that you're using $package";
 case "$mailpatches" in
 true) status='have patches mailed to you as they are issued';;
 esac
 case "$notifypatches" in
 true) status='be notified when new patches are issued';;
 esac
 $cat <<EOM

You have already sent the author of $package (<MAINTLOC>) mail to
$status. If you wish, you may modify
your previous request by sending a new mail with different options.

EOM
 rp='Should
 I send a status update to <MAINTLOC>?'
 dflt=n
else
 $cat <<EOM
```

```
If you are able to send mail to the Internet, the author of $package would
really appreciate you letting me send off a quick note, just to say that you've
tried it. The author is more likely to spend time maintaining $package if it's
known that many people are using it, and you can even ask to get sent new
patches automagically this way if you wish. To protect your privacy, all I'll
say in the mail is the version of $package that you're using.

EOM
 rp='Should I send mail to <MAINTLOC>?'
 dflt=y
?X: Ensure default is 'n' if question has been asked already, in case they
?X: run Configure -d next time and answered 'n' the first time. Therefore,
?X: an empty nomail will be created later on even if no mail is sent.
 $test -f ../.config/nomail && dflt=n
fi
. ./myread
case "$ans" in
[yY]*)
 echo " "
 echo "Great! Your cooperation is really appreciated."
 $cat <<EOM

Some braindead sites do not set a proper return
 address in the From: header of
their outgoing mail, making it impossible to reply to mail they generate.
If your site is broken in this way, write to your system administrator and get
it fixed!!! In the mean time, you can manually specify the Internet e-mail
address by which the author can get back to you, should there be a need to do
so. If manually specified, it should be something like "user@domain.top".
If your mail system generates addresses correctly, specify "none".

EOM
 case "$usermail" in
 '-'|'') dflt=none;;
 *) dflt="$usermail";;
 esac
 rp='Manually specify a return address to use:'
 . ./myread
 case "$ans" in
 none|*@*.*)
  case "$ans" in
  none) usermail='-';;
  *) usermail="$ans";;
  esac
  ;;
 *)
  echo "(Address does not look like an Internet one -- ignoring it.)"
?X:
```

```
?X: If we can't trust their mailer or their return address, it's highly
?X: suggested that they only register and don't ask to get anything from
?X: the author, since it's likely to bounce in null-land --
 RAM.
?X:
  usermail='-'
  mailpatches=false
  notifypatches=false
  ;;
 esac
 echo " "
 opt=''
 rp='Would you like to have new patches automatically mailed to you?'
 case "$mailpatches" in
 true) dflt=y;;
 *) dflt=n;;
 esac
 . ./myread
 case "$ans" in
 [yY]*) opt=' mailpatches'; mailpatches=true;;
 *)
  mailpatches=false
  echo " "
  rp='Ok, would you like to simply be notified of new patches?'
  case "$notifypatches" in
  false) dflt=n;;
  *) dflt=y;;
  esac
  . ./myread
  echo " "
  case "$ans" in
  [yY]*) opt=' notifypatches'; notifypatches=true;;
  *)
   echo "Fine, I'll simply say that you've tried it then."
   notifypatches=false
   ;;
  esac
  ;;
 esac
 echo "Sending mail to <MAINTLOC>..." >&4
?X: Bizarre hack here. We can't just put @SH in the hereis lines below, because
?X: metaconfig will interpret it as a command, and there's no quoting mechanism.
?X: Do it via a variable instead.
 atsh='@SH'
 $mailer <MAINTLOC> <<EOM >/dev/null 2>&1
Subject: Command
Precedence: junk
To: <MAINTLOC>
```

```
$atsh
 package $usermail $package $baserev $patchlevel$opt
EOM
 $rm -f ../.config/mailauthor ../.config/nomail
 cp $rsrc/patchlevel.h ../.config/mailauthor
 ;;
*)
 case "$dflt" in
 "y")
  echo "Oh well, maybe next time."
  cp /dev/null ../.config/nomail
  ;;
 esac
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/MailAuthor.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Whoa.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  15:21:21  ram
?RCS: patch61: whoa script now starts with leading "startsh"
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  16:02:01  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:19  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in in order
?X: to warn the user in case a change into a variable is noticed.
?X:
?X: To use this
```

```
 unit, $was must hold the old value that has changed. Upon
?X: exit, the two variables $td and $tu are set to the correct value for
?X: respectively defining or undefining a variable. For instance, if $vas was
?X: $undef, but now $var is $define, after calling . whoa, you should use
?X: eval "$var=\$tu" to finally set $var to the correct value. See unit Inlibc.
?X:
?MAKE:Whoa: Myread startsh hint
?MAKE: -pick add $@ %<
?F:./whoa
?T:var was
?LINT:change td tu
: set up the script used to warn in case of inconsistency
cat <<EOS >whoa
$startsh
EOS
cat <<'EOSC' >>whoa
dflt=y
echo " "
echo "*** WHOA THERE!!! ***" >&4
echo "    The $hint value for \$$var on this machine was \"$was\"!" >&4
rp="    Keep the $hint value?"
. ./myread
case "$ans" in
y) td=$was; tu=$was;;
esac
EOSC
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Whoa.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Myread.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Myread.U,v $
?RCS: Revision 3.0.1.6  1997/02/28  15:05:39  ram
?RCS: patch61: myread script now starts with a "startsh"
?RCS: patch61: miscellaneous fixes
?RCS:
?RCS: Revision 3.0.1.5  1995/01/11  15:14:22  ram
```

```
?RCS: patch45: added & escape allowing user to turn on -d from the prompt
?RCS:
?RCS: Revision 3.0.1.4  1994/10/31  09:48:04  ram
?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U
?RCS:
?RCS: Revision 3.0.1.3  1994/10/29
  15:56:20  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0.1.2  1993/08/30  08:57:59  ram
?RCS: patch8: added new visible 'nostick' symbol, mainly for Finish.U
?RCS:
?RCS: Revision 3.0.1.1  1993/08/27  14:39:20  ram
?RCS: patch7: now sticks to the question when no default and empty answer
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:08  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in in order
?X: to do a read.  It allows for shell escapes, default assignment and
?X: parameter evaluation.
?X:
?X: To use this unit, $rp and $dflt must hold the question and the
?X: default answer. The question will be printed by the script itself.
?X: Neither $rp nor $dflt is altered by the script.
?X:
?X: The myread script will stick to the question if no default is proposed
?X: and the user answer is empty, which prevents mistakes. However, at the
?X: end of Configure, there is an exception
 to this rule (Finish.U) where we
?X: set nostick to a non-empty value to allow the Return key to play its role!
?X:
?MAKE:Myread: Options startsh n c trnl
?MAKE: -pick add $@ %<
?V:ans:dflt rp nostick
?F:./myread
?T:COLUMNS xxxm rp dflt answ aok myecho
?LINT:change fastread
?X: Some shells (Ultrix) do not understand ${COLUMNS:-80}, sigh!
: compute the number of columns on the terminal for proper question formatting
case "$COLUMNS" in
") COLUMNS='80';;
esac

: set up the echo used in my read
?X:
?X: This variable is intended to be eval'ed. It will echo the two
```

```
?X: variables $rp and $dflt (provided this latter has a non null value).
?X: It is mainly used by the myread script to echo the questions.
?X:
?X: The $n and $c below are substituted before Loc does its silly echo check
?X: so don't put a $ on the echo below so we get builtin, even if $echo is
?X: pointing to /bin/echo.
?X:
myecho="case \"\$xxxm\" in
") echo $n \"\$rp $c\" >&4;;
*) case \"\$rp\" in
 ") echo $n \"[\$xxxm] $c\";;
 *)
  if
 test \`echo \"\$rp [\$xxxm]  \" | wc -c\` -ge $COLUMNS; then
   echo \"\$rp\" >&4
   echo $n \"[\$xxxm] $c\" >&4
  else
   echo $n \"\$rp [\$xxxm] $c\" >&4
  fi
  ;;
 esac;;
esac"

: now set up to do reads with possible shell escape and default assignment
cat <<EOSC >myread
$startsh
?X:
?X: Save value of default -- do not alter original in case of eval
?X:
xxxm=\$dflt
$myecho
?X:
?X: If there is no default, then stop, regardless of the value in fastread.
?X: In silent mode, no new-line is to be echoed if the question is empty,
?X: since this is used to wait for the "return" key.
?X:
ans='!'
case "\$fastread" in
yes) case "\$dflt" in
 ") ;;
 *) ans=";
  case "\$silent-\$rp" in
  true-) ;;
  *) echo " " >&4;;
  esac;;
 esac;;
*) case "\$silent" in
 true) case "\$rp" in
```

```
  ") ans=";;
  esac;;
 esac;;
esac
while expr "X\$ans" : "X!" >/dev/null; do
 read answ
?X:
?X: Run 'eval' on the answer, in order to do variable substitution, in case
?X: the user types $HOME or $WHATEVER.
 Variables must be evaluated now.
?X: Typing '\$HOME' won't currently prevent from substitution -- use '\\$HOME'
?X: The $1 .. $9 and $*, as well as $@, are available to refer to the
?X: default value.
?X:
 set x \$xxxm
 shift
 aok=''; eval "ans=\\"\$answ\\"" && aok=y
 case  "\$answ" in
?X:
?X: Use "!" and not a plain ! because of a bug in BSD 4.4 shell
?X: (reported by Wayne Davison)
?X: We must handle the shell escapes before dealing with possible variable
?X: substitution, since the shell we're launching in that case will be able
?X: to do it as well as we can -- RAM, 15/03/96
?X
 "!")
  sh 1>&4
  echo " "
  $myecho
  ;;
 !*)
  set x \`expr "X\$ans" : "X!\(.*\)\$"\`
  shift
  sh 1>&4 -c "\$*"
  echo " "
  $myecho
  ;;
 "\$ans")
  case "\$ans" in
?X:
?X: Answers starting with & are hooks allowing to dynamically turn on/off
?X: some Configure options. That's for the future. -- RAM, 09/01/95
?X: Today, we only recognize '& -d' to mean 'go on as if Configure -d, which
?X: is a hardwired
 behaviour compatible with our general scheme.
?X:
  \\&*)
   set x \`expr "X\$ans" : "X&\(.*\)\$"\`
```

```
  shift
  case "\$1" in
  -d)
   fastread=yes
   echo "(OK, I'll run with -d after this question.)" >&4
   ;;
  -*)
   echo "*** Sorry, \$1 not supported yet." >&4
   ;;
  esac
  $myecho
  ans=!
  ;;
 esac;;
*)
 case "\$aok" in
 y)
  echo "*** Substitution done -- please confirm."
  xxxm="\$ans"
  ans=\`echo $n "\$ans$c" | tr '$trnl' ' '\`
  xxxm="\$ans"
  ans=!
  ;;
 *)
  echo "*** Error -- try again."
  ans=!
  ;;
 esac
 $myecho
 ;;
esac
?X: Stick in myread if no default answer and nothing was answered
 case "\$ans\$xxxm\$nostick" in
 ")
  ans=!
  $myecho
  ;;
 esac
done
case "\$ans" in
") ans="\$xxxm";;
esac
EOSC
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Myread.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: packadmin.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?MAKE:packadmin: cf_email Oldconfig Myread cat spackage package
?MAKE: -pick add $@ %<
?Y:TOP
?S:packadmin:
?S: Electronic mail address of the package administrator.
?S:.
: check wehther they will act as local admin for the package
$cat <<EOM

If you or somebody else will be maintaining $package at your site, please
fill in the correct e-mail address here so that they may be contacted
if necessary.  You may enter "none"
 for no administrator.

EOM
case "$packadmin" in
") dflt="$cf_email";;
*) dflt="$packadmin";;
esac
rp="$spackage administrator e-mail address"
. ./myread
packadmin="$ans"
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/packadmin.U
No license file was found, but licenses were detected in source scan.

```
?RCS:     c) the GNU General Public License as published by the Free
?RCS:     Software Foundation; either version 1, or (at your option) any
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_builtin_overflow.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: html3dir.U,v $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: html3dir.U,v $
?RCS:
?MAKE:html3dir html3direxp installhtml3dir: cat sed Loc Myread \
 spackage test Getfile Setprefixvar Prefixit Prefixup html1dir
?MAKE: -pick add $@ %<
?Y:TOP
?D:html3dir="
?S:html3dir:
?S: This variable contains the name of the directory in which html
?S: source pages are to be put.  This directory is for pages
?S: that describe libraries or modules.  It is intended to
?S: correspond roughly to section 3 of the Unix manuals.
?S:.
?D:html3direxp="
?S:html3direxp:
?S: This variable
 is the same as the html3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installhtml3dir="
?S:installhtml3dir:
?S: This variable is really the same as html3direxp, unless you are
?S: using a different installprefix.  For extra portability, you
?S: should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set html3direxp
?LINT:set installhtml3dir
: determine where html pages for libraries and modules go
set html3dir html3dir none
eval $prefixit
$cat <<EOM

If you wish to install html files for modules associated with $spackage,
indicate the appropriate directory here.  To skip installing html files,
answer "none".
```

```
EOM
: There is no obvious default.  If they have specified html1dir, then
: try to key off that, possibly changing .../html1 into .../html3.
case "$html3dir" in
") html3dir=`echo "$html1dir" | $sed 's/1$/3$/'` ;;
*) dflt=$html3dir ;;
esac
fn=dn+~
rp="Directory for the $spackage module
 html pages?"
. ./getfile
prefixvar=html3dir
. ./setprefixvar
: Use ' ' for none so value is preserved next time through Configure
$test X"$html3dir" = "X" && html3dir=' '
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/html3dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: mansrc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: mansrc.U,v $
?RCS: Revision 3.0.1.9  1997/02/28  16:12:03  ram
?RCS: patch61: don't ask for AFS when they choose to not install pages
?RCS:
?RCS: Revision 3.0.1.8  1995/09/25  09:16:58  ram
?RCS: patch59: unit is now forced to the top of Configure, if possible
?RCS:
?RCS: Revision 3.0.1.7  1995/02/15  14:15:31  ram
?RCS: patch51: was mistakenly duplicating /usr/local/man/man1 (ADO)
?RCS: patch51: added /opt/man/man1 to the lookpath (ADO)
?RCS:
?RCS: Revision
 3.0.1.6  1995/01/30  14:39:34  ram
?RCS: patch49: can now handle installation prefix changes (from WED)
?RCS:
?RCS: Revision 3.0.1.5  1995/01/11  15:32:25  ram
?RCS: patch45: can now use Loc variables since path stripping is deferred
```

```
?RCS:
?RCS: Revision 3.0.1.4  1994/08/29  16:30:38  ram
?RCS: patch32: now uses installation prefix for default setting
?RCS:
?RCS: Revision 3.0.1.3  1994/05/06  15:11:10  ram
?RCS: patch23: added lint hint, assuring that nroff is used
?RCS:
?RCS: Revision 3.0.1.2  1994/01/24  14:14:39  ram
?RCS: patch16: now uses _nroff in case user asked for portability
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:09:31  ram
?RCS: patch10: allows for L1 man page extension (WAD)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:14  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:mansrc mansrcexp manext installmansrc: afs cat nroff Loc Oldconfig \
 sysman spackage test Getfile Prefixit prefixexp Prefixup
?MAKE: -pick add $@ %<
?Y:TOP
?S:mansrc:
?S: This variable
 contains the name of the directory in which manual
?S: source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?S:mansrcexp:
?S: This variable is the same as the mansrc variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?S:installmansrc:
?S: This variable is really the same as mansrcexp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: mansrcexp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:manext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '1'.  The Makefile must supply the '.'.
?S: See mansrc.
?S:.
?T:lookpath
: determine where manual pages go
set mansrc mansrc none
eval $prefixit
$cat <<EOM
```

```
$spackage has manual
 pages available in source form.
EOM
case "$nroff" in
nroff)
 echo "However, you don't have nroff, so they're probably useless to you."
 case "$mansrc" in
 ") mansrc="none";;
 esac;;
esac
echo "If you don't want the manual sources installed, answer 'none'."
case "$mansrc" in
")
 lookpath="$prefixexp/share/man/man1 $prefixexp/man/man1"
 lookpath="$lookpath $prefixexp/man/u_man/man1 $prefixexp/man/l_man/man1"
 lookpath="$lookpath /usr/local/man/man1 /opt/man/man1 /usr/man/manl"
 lookpath="$lookpath /usr/share/man/man1 /usr/local/share/man/man1"
 lookpath="$lookpath /usr/man/local/man1 /usr/man/l_man/man1"
 lookpath="$lookpath /usr/local/man/u_man/man1 /usr/local/man/l_man/man1"
 lookpath="$lookpath /usr/man/man.L"
 mansrc=`./loc . $prefixexp/man/man1 $lookpath`
 if $test -d "$mansrc"; then
  dflt="$mansrc"
 else
  dflt="$sysman"
 fi
 set dflt
 eval $prefixup
 ;;
' ') dflt=none;;
*)  dflt="$mansrc"
 ;;
esac
echo " "
fn=dn~
rp='Where do the manual pages (source) go?'
. ./getfile
if test
 "X$mansrcexp" != "X$ansexp"; then
 installmansrc="
fi
mansrc="$ans"
mansrcexp="$ansexp"
case "$mansrc" in
") mansrc=' '
 installmansrc=";;
esac
if $afs && $test "$mansrc"; then
```

```
 $cat <<EOM

Since you are running AFS, I need to distinguish the directory in which
manual pages reside from the directory in which they are installed (and from
which they are presumably copied to the former directory by occult means).

EOM
 case "$installmansrc" in
 ") dflt=`echo $mansrcexp | sed 's#^/afs/#/afs/.#'`;;
 *) dflt="$installmansrc";;
 esac
 fn=de~
 rp='Where will man pages be installed?'
 . ./getfile
 installmansrc="$ans"
else
 installmansrc="$mansrcexp"
fi

case "$mansrc" in
' ') manext='0';;
*l) manext=l;;
*n) manext=n;;
*o) manext=l;;
*p) manext=n;;
*C) manext=C;;
*L) manext=L;;
*L1) manext=L1;;
*) manext=1;;
esac

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/mansrc.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: Init.U,v 3.0.1.1 1994/10/31 09:45:59 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Init.U,v $
?RCS: Revision 3.0.1.1  1994/10/31  09:45:59  ram
```

```
?RCS: patch44: removed Options from MAKE to prevent Init overrides
?RCS: patch44: option processing now done after Myinit thanks to new Begin.U
?RCS: patch44: moved "Beginning of configuration questions" to Begin.U
?RCS: patch44: moved signal trapping instruction to Begin.U as well
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:02  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This file
 initializes certain default variables used by Configure.  They
?X: may be overridden or added to by definitions in Myinit.U.
?X:
?MAKE:Init eunicefix: Null
?MAKE: -pick add $@ %<
?MAKE: -pick weed $@ ./Init
?S:eunicefix:
?S: When running under Eunice this variable contains a command which will
?S: convert a shell script to the proper form of text file for it to be
?S: executable by the shell.  On other systems it is a no-op.
?S:.
?V:define undef smallmach:rmlist
?X:
?X: Throughout the units, one may make use of $define and $undef to reference
?X: a defined symbol or an undefined one. There is no need to add them in
?X: the dependency line since this unit makes them visible via ?V:, and
?X: everyone inherits from those symbols since by convention Init.U is the
?X: root dependency.
?X:
?LINT:extern DJGPP
?LINT:extern _exe
?LINT:change _exe
?LINT:extern is_os2
: Detect odd OSs
define='define'
undef='undef'
smallmach='pdp11 i8086 z8000 i80286 iAPX286'
rmlist=''

: We must find out about
 Eunice early
eunicefix=':'
if test -f /etc/unixtovms; then
 eunicefix=/etc/unixtovms
fi
if test -f /etc/unixtovms.exe; then
 eunicefix=/etc/unixtovms.exe
fi
```

```
: Set executable suffix now -- needed before hints available
if test -f "/libs/version.library"; then
: Amiga OS
   _exe=""
elif test -f "/system/gnu_library/bin/ar.pm"; then
: Stratus VOS
   _exe=".pm"
elif test -n "$DJGPP"; then
: DOS DJGPP
   _exe=".exe"
elif test -f /kern/cookiejar; then
: MiNT
   _exe=""
elif test -d c:/. -o -n "$is_os2" ; then
: OS/2 or cygwin
   _exe=".exe"
fi
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Init.U
No license file was found, but licenses were detected in source scan.

?RCS: You may redistribute only under the terms of the Artistic Licence,

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_wctomb.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/registers.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_dbl_dig.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_bcopy.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_fork.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_inetd.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_nice.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_pipe.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_mbstowcs.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_sbrk.U

* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_pread.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_getprior.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_perror.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_setgrps.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_ctermid.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_wait3.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_memcmp.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_shmctl.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_setruid.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_sighold.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_stddef.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_sysresrc.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_ftrncate.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_speedopt.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_systwgcf.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_drem.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_pidcheck.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_popen.U
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* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_ftime.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_linuxstd.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_waitpid.U

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No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Finish.U,v $
?RCS: Revision 3.0.1.6  1995/02/15  14:09:30  ram
?RCS: patch51: now clearer about how to edit config.sh at the prompt (WED)
?RCS:
?RCS: Revision 3.0.1.5  1994/10/29  15:53:14  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0.1.4  1994/05/06  14:19:37  ram
?RCS: patch23: added blank lines around 'End of Configure'
?RCS:
```

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?RCS: Revision 3.0.1.3  1993/10/16  13:46:09  ram
?RCS: patch12: replaced Config_h by Magic_h in the dependency line
?RCS:
?RCS:
 Revision 3.0.1.2  1993/09/13  15:45:26  ram
?RCS: patch10: fixed shell evaluation w/o shell escape while in silent mode
?RCS:
?RCS: Revision 3.0.1.1  1993/08/30  08:55:59  ram
?RCS: patch8: prevents myread from blocking on empty answers, exceptionally
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:55  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit is the very last one in the Configure script.  It runs all the
?X: SH files, which among other things produce config.h and (usually) Makefile.
?X: It offers to do a make depend if the Makefile contains that target.
?X:
?MAKE:Finish: Chk_MANI Extract Myread Oldsym Magic_h cat rm contains \
 test package make
?MAKE: -pick add $@ %<
?F:!config.sh
?T:pwd
: Finish up by extracting the .SH files
case "$alldone" in
exit)
?X: They supplied the -E switch
 echo "Stopping at your request, leaving temporary files around."
 exit 0
 ;;
cont)
 ;;
")
 dflt="
 nostick=true
 $cat <<EOM

If you'd like to make any changes to the config.sh
 file before I begin
to configure things, do it as a shell escape now (e.g. !vi config.sh).

EOM
 rp="Press return or use a shell escape to edit config.sh:"
 . UU/myread
 nostick="
 case "$ans" in
 ") ;;
 *) : in case they cannot read
```

```
  sh 1>&4 -c "$ans";;
 esac
 ;;
esac

: if this fails, just run all the .SH files by hand
. ./config.sh

?X:
?X: Turn silent mode off from now on (we want a verbose file extraction).
?X: This means we have to explicitly test for '$silent' from now on to
?X: strip off any verbose messages.
?X:
echo " "
exec 1>&4
pwd=`pwd`
. ./UU/extract
cd "$pwd"

if $contains '^depend:' [Mm]akefile >/dev/null 2>&1; then
 dflt=y
 case "$silent" in
 true) ;;
 *)
  $cat <<EOM

Now you need to generate make dependencies by running "$make depend".
You might prefer to run it in background: "$make depend > makedepend.out &"
It can take a while, so you might not want to run it right now.

EOM
  ;;
 esac
 rp="Run $make depend now?"
 . UU/myread
 case "$ans" in
 y*)
  $make depend
 && echo "Now you must run '$make'."
  ;;
 *)
  echo "You must run '$make depend' then '$make'."
  ;;
 esac
elif test -f [Mm]akefile; then
 echo " "
 echo "Now you must run a $make."
else
```

```
 echo "Configure done."
fi

if $test -f Policy.sh; then
   $cat <<EOM

If you compile $package on a different machine or from a different object
directory, copy the Policy.sh file from this object directory to the
new one before you run Configure -- this will help you with most of
the policy defaults.

EOM
fi
if $test -f UU/config.msg; then
   echo "Hmm.  I also noted the following information while running:"
   echo " "
   $cat UU/config.msg >&4
fi
?X:
?X: kit*isdone files are left over by shell archives built using the makedist
?X: script which comes from dist, while ark*isdone files are left over by
?X: the cshar archive maker.
?X:
$rm -f kit*isdone ark*isdone
$rm -rf UU

: End of Configure
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Finish.U
No license file was found, but licenses were detected in source scan.

```
# $Id: errnolist.sh,v 3.0.1.1 1994/01/24 14:00:00 ram Exp ram $
#
#  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
#  You may redistribute only under the terms of the Artistic Licence,
#  as specified in the README file that comes with the distribution.
#  You may reuse parts of this distribution only within the terms of
#  that same Artistic Licence; a copy of which may be found at the root
#  of the source tree for dist 4.0.
#
# Original Author: Harlan Stenn <harlan@mumps.pfcs.com>
#
# $Log: errnolist.sh,v $
# Revision 3.0.1.1  1994/01/24  14:00:00  ram
# patch16: changed top ln-style config.sh lookup into test-style one
```

```
#
# Revision 3.0  1993/08/18  12:04:36  ram
# Baseline for dist 3.0 netwide release.
#
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/errnolist.SH
No license file was found, but licenses were detected in source scan.

```
/*
* $Id: rename.C,v 3.0.1.1 1994/01/24 13:58:42 ram Exp ram $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* $Log: rename.C,v $
* Revision 3.0.1.1  1994/01/24  13:58:42  ram
* patch16: created
*
*/
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/C/fake/rename.C
No license file was found, but licenses were detected in source scan.

```
/*
* $Id: scandir.C,v 3.0.1.1 1994/01/24 13:58:45 ram Exp ram $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* $Log: scandir.C,v $
* Revision 3.0.1.1  1994/01/24  13:58:45  ram
* patch16: created
*
*/
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/C/fake/scandir.C
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Instruct.U,v 3.0.1.3 1997/02/28 15:02:55 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Instruct.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  15:02:55  ram
?RCS: patch61: logname / whoami sequence rewritten to use case
?RCS:
?RCS: Revision 3.0.1.2  1995/02/15  14:11:34  ram
?RCS: patch51: author name now appears at the end of the paragraph (WED)
?RCS:
?RCS: Revision 3.0.1.1  1995/01/11  15:12:05  ram
?RCS: patch45: now documents the & escape to turn -d on at the read prompt
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:04  ram
?RCS: Baseline for
 dist 3.0 netwide release.
?RCS:
?X:
?X: This unit spew out the directions that we want everyone to read.  I try to
?X: keep the first "pagefull" much less than a page since they don't know it
?X: isn't going to go shooting off the top of the screen, and we don't want
?X: to panic them yet.
?X:
?MAKE:Instruct: Myread Configdir Devel contains
?MAKE: -pick wipe $@ %<
?T:user needman firsttime
: general instructions
needman=true
firsttime=true
user=`(logname) 2>/dev/null`
case "$user" in
") user=`whoami 2>&1`;;
esac
if $contains "^$user\$" ../.config/instruct >/dev/null 2>&1; then
 firsttime=false
```

```
 echo " "
 rp='Would you like to see the instructions?'
 dflt=n
 . ./myread
 case "$ans" in
 [yY]*) ;;
 *) needman=false;;
 esac
fi
if $needman; then
 cat <<EOH

This installation shell script will examine your system and ask you questions
to determine how the <PACKAGENAME> package should be installed. If you get
stuck on a question, you may use a ! shell escape to start a subshell or
execute a
 command.  Many of the questions will have default answers in square
brackets; typing carriage return will give you the default.

On some of the questions which ask for file or directory names you are allowed
to use the ~name construct to specify the login directory belonging to "name",
even if you don't have a shell which knows about that.  Questions where this is
allowed will be marked "(~name ok)".

EOH
 rp="
 dflt='Type carriage return to continue'
 . ./myread
 cat <<'EOH'

The prompter used in this script allows you to use shell variables and
backticks in your answers.  You may use $1, $2, etc...  to refer to the words
in the default answer, as if the default line was a set of arguments given to a
script shell.  This means you may also use $* to repeat the whole default line,
so you do not have to re-type everything to add something to the default.

Every time there is a substitution, you will have to confirm.  If there is an
error (e.g. an unmatched backtick), the default answer
 will remain unchanged
and you will be prompted again.

If you are in a hurry, you may run 'Configure -d'.  This will bypass nearly all
the questions and use the computed defaults (or the previous answers if there
was already a config.sh file). Type 'Configure -h' for a list of options.
You may also start interactively and then answer '& -d' at any prompt to turn
on the non-interactive behaviour for the remainder of the execution.

EOH
```

```
 . ./myread
 cat <<EOH

Much effort has been expended to ensure that this shell script will run on any
Unix system.  If despite that it blows up on yours, your best bet is to edit
Configure and run it again.  If you can't run Configure for some reason,
you'll have to generate a config.sh file by hand.  Whatever problems you
have, let me (<MAINTLOC>) know how I blew it.

This installation script affects things in two ways:

1) it may do direct variable substitutions on some of the files included
  in this kit.
2) it builds a config.h file for inclusion in
 C programs.  You may edit
  any of these files as the need arises after running this script.

If you make a mistake on a question, there is no easy way to back up to it
currently.  The easiest thing to do is to edit config.sh and rerun all the SH
files.  Configure will offer to let you do this before it runs the SH files.

EOH
?X: In case they played with the prompter...
 dflt='Type carriage return to continue'
 . ./myread
 case "$firsttime" in
 true) echo $user >>../.config/instruct;;
 esac
fi
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Instruct.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: afs.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: afs.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  15:23:06  ram
?RCS: patch61: can now explicitly tell Configure whether AFS is running
```

```
?RCS:
?RCS: Revision 3.0.1.1  1993/08/24  12:24:43  ram
?RCS: patch3: created
?RCS:
?MAKE:afs afsroot: test
?MAKE: -pick add $@ %<
?S:afs:
?S: This variable is set to 'true' if AFS (Andrew File System) is used
?S: on the system, 'false' otherwise.  It is possible to override this
?S: with a hint value or command line option,
 but you'd better know
?S: what you are doing.
?S:.
?S:afsroot:
?S: This variable is by default set to '/afs'. In the unlikely case
?S: this is not the correct root, it is possible to override this with
?S: a hint value or command line option.  This will be used in subsequent
?S: tests for AFSness in the configure and test process.
?S:.
: allow them to override the AFS root
case "$afsroot" in
") afsroot=/afs ;;
*) afsroot=$afsroot ;;
esac

: is AFS running?
echo " "
case "$afs" in
$define|true) afs=true ;;
$undef|false) afs=false ;;
*) if $test -d $afsroot; then
  afs=true
 else
  afs=false
 fi
 ;;
esac
if $afs; then
 echo "AFS may be running... I'll be extra cautious then..." >&4
else
 echo "AFS does not seem to be running..." >&4
fi
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/afs.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: man3dir.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:10:34  ram
?RCS: patch61: created
?RCS:
?X:
?X: This was originally specific to perl5.  Since perl5 has man pages that
?X: go in both man1/ and man3/ directories, we need both man1dir
?X: and man3dir.  This unit is basically dist's mansrc.U with
?X: man3 used instead of man everywhere.
?X: I then added various tests because perl5 has *lots* of man3
?X: pages with long file names. -- ADO
?X:
?MAKE:man3dir
 man3direxp man3ext installman3dir: afs cat nroff Loc Oldconfig \
 sed man1dir spackage package Getfile prefix Prefixit Prefixup \
 d_flexfnam privlib Myread
?MAKE: -pick add $@ %<
?Y:TOP
?S:man3dir:
?S: This variable contains the name of the directory in which manual
?S: source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?S:man3direxp:
?S: This variable is the same as the man3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?S:installman3dir:
?S: This variable is really the same as man3direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man3direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:man3ext:
?S: This variable contains the extension that the manual
```

```
 page should
?S: have: one of 'n', 'l', or '3'.  The Makefile must supply the '.'.
?S: See man3dir.
?S:.
: determine where library module manual pages go
set man3dir man3dir none
eval $prefixit
$cat <<EOM

$spackage has manual pages for many of the library modules.
EOM

case "$nroff" in
nroff)
 $cat <<'EOM'
However, you don't have nroff, so they're probably useless to you.
EOM
 case "$man3dir" in
 ") man3dir="none";;
 esac;;
esac

case "$d_flexfnam" in
undef)
 $cat <<'EOM'
However, your system can't handle the long file names like File::Basename.3.
EOM
 case "$man3dir" in
 ") man3dir="none";;
 esac;;
esac

echo "If you don't want the manual sources installed, answer 'none'."
?X: We dont use /usr/local/man/man3 because some man programs will
?X: only show the /usr/local/man/man3 contents, and not the system ones,
?X: thus man less will show the perl module less.pm, but not the system
?X: less command.  We might also conflict with TCL man pages.
?X: However, something like /opt/perl/man/man3
 is fine.
case "$man3dir" in
") case "$prefix" in
 *$package*) dflt=`echo $man1dir |
   $sed -e 's/man1/man3/g' -e 's/man\.1/man\.3/g'` ;;
 *) dflt="$privlib/man/man3" ;;
 esac
 ;;
' ') dflt=none;;
*) dflt="$man3dir" ;;
```

```
esac
echo " "

fn=dn+~
rp="Where do the $package library man pages (source) go?"
. ./getfile
if test "X$man3direxp" != "X$ansexp"; then
 installman3dir=''
fi

man3dir="$ans"
man3direxp="$ansexp"
case "$man3dir" in
'') man3dir=' '
 installman3dir='';;
esac
if $afs; then
 $cat <<EOM

Since you are running AFS, I need to distinguish the directory in which
manual pages reside from the directory in which they are installed (and from
which they are presumably copied to the former directory by occult means).

EOM
 case "$installman3dir" in
 '') dflt=`echo $man3direxp | sed 's#^/afs/#/afs/.#'`;;
 *) dflt="$installman3dir";;
 esac
 fn=de~
 rp='Where will man pages be installed?'
 . ./getfile
 installman3dir="$ans"
else
 installman3dir="$man3direxp"
fi

: What suffix
 to use on installed man pages

case "$man3dir" in
' ')
 man3ext='0'
 ;;
*)
 rp="What suffix should be used for the $package library man pages?"
 case "$man3ext" in
 '') case "$man3dir" in
  *3)  dflt=3 ;;
```

```
  *3p) dflt=3p ;;
  *3pm) dflt=3pm ;;
  *l) dflt=l;;
  *n) dflt=n;;
  *o) dflt=o;;
  *p) dflt=p;;
  *C) dflt=C;;
  *L) dflt=L;;
  *L3) dflt=L3;;
  *) dflt=3;;
  esac
  ;;
 *) dflt="$man3ext";;
 esac
 . ./myread
 man3ext="$ans"
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/man3dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999, Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:full_ar: ar
?MAKE: -pick add $@ %<
?S:full_ar:
?S: This variable contains the full pathname to 'ar', whether or
?S: not the user has specified 'portability'.  This is only used
?S: in the Makefile.SH.
?S:.
: Store the full pathname to the ar program for use in the C program
: Respect a hint or command line value for full_ar.
case "$full_ar" in
") full_ar=$ar ;;
esac
```

Found in path(s):

* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/Loc_ar.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: h_sysfile.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: h_sysfile.U,v $
?RCS: Revision 3.0  1993/08/18  12:08:13  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:h_sysfile: Nothing
?MAKE: -pick add $@ %<
?S:h_sysfile:
?S: This is variable gets set in various places to tell i_sys_file that
?S: <sys/file.h> should be included.
?S:.
: Initialize h_sysfile
h_sysfile=false
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/h_sysfile.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: cf_email.U,v $
?RCS: Revision 3.0.1.1  1994/01/24  14:05:06  ram
?RCS: patch16: created
?RCS:
?RCS:
?MAKE:cf_email: cat cf_by test myhostname mydomain Oldconfig Myread
```

```
?MAKE: -pick add $@ %<
?S:cf_email:
?S: Electronic mail address of the person who ran Configure. This can be
?S: used by units that require the user's e-mail, like MailList.U.
?S:.
?T:cont maildomain
?LINT:extern MAILDOMAIN
: determine the e-mail address of the user who is running us
$cat <<EOM

I need to get your e-mail address
 in Internet format if possible, i.e.
something like user@host.domain. Please answer accurately since I have
no easy means to double check it. The default value provided below
is most probably close to reality but may not be valid from outside
your organization...

EOM
cont=x
while test "$cont"; do
 case "$MAILDOMAIN" in
 ")
  if $test -s /etc/mailname; then
   maildomain=`$cat /etc/mailname`
  else
   maildomain="$myhostname$mydomain"
  fi
  ;;
 *)  maildomain="$MAILDOMAIN";;
 esac
 case "$cf_email" in
 ") dflt="$cf_by@$maildomain";;
 *)  dflt="$cf_email";;
 esac
 rp='What is your e-mail address?'
 . ./myread
 cf_email="$ans"
 case "$cf_email" in
 *@*.*) cont=" ;;
 *)
  rp='Address does not look like an Internet one.  Use it anyway?'
  case "$fastread" in
  yes) dflt=y ;;
  *) dflt=n ;;
  esac
  . ./myread
  case "$ans" in
  y*) cont=" ;;
```

```
  *) echo " " ;;
  esac
  ;;
 esac
done
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/cf_email.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS:
?X:
?X: This unit is just a quick shorthand for the compile command
?X: to be used in all the other metaconfig units.
?X:
?MAKE:Compile: +cc +optimize +ccflags +ldflags +libs
?MAKE: -pick add $@ %<
?LINT:define compile compile_ok
?V:compile compile_ok mc_file
?S:compile:
?S: This shell variable is used internally
 by Configure to provide
?S: a convenient shorthand for the typical compile command, namely
?S: $cc $optimize $ccflags $ldflags -o $1 $1.c $libs > /dev/null 2>&1
?S: Note that the output filename does _not_ include the _exe
?S: extension.  Instead we assume that the linker will be
?S: "helpful" and automatically appending the correct suffix.
?S: OS/2 users will apparently need to supply the -Zexe flag to
?S: get this behavior.
?S:
?S: To use this variable, say something like:
?S:  echo 'int main() { exit(0); }' > try.c
```

```
?S:  set try
?S:  if eval $compile; then
?S:   echo "success"   # and do whatever . . .
?S:  else
?S:   echo "failure"   # and do whatever . . .
?S:  fi
?S: To add extra flags cc flags (e.g. -DWHATEVER) just put them
?S: in $*, e.g.
?S:  set try -DTRY_THIS_FLAG
?S:.
?S:compile_ok:
?S: This shell variable is used internally by Configure to provide
?S: a convenient shorthand for the typical compile command that you
?S: expect to work ok.  It is the same as $compile,
 except we
?S: deliberately let the user see any error messages.
?S:.
: define a shorthand compile call
compile='
mc_file=$1;
shift;
$cc -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs > /dev/null 2>&1;'
: define a shorthand compile call for compilations that should be ok.
compile_ok='
mc_file=$1;
shift;
$cc -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs;'
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Compile.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: perl5.U,v $
?RCS:
?RCS: Copyright (c) 2000 Andrew Dougherty
?RCS:
?RCS:     You may distribute under the terms of either the GNU General Public
?RCS:     License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: perl5.U,v $
?RCS:
?X:
?X: The purpose of this unit is to locate a previously installed
?X: version of perl5 suitable for running inc_version_list.U.
?X: We check for 5.005 and later because inc_version_list is
?X: irrelevant for earlier versions.
?X:
```

```
?MAKE:perl5: path_sep binexp test sed exe_ext
?MAKE: -pick add $@ %<
?Y:TOP
?S:perl5:
?S: This variable contains the full path (if any) to a previously
?S: installed perl5.005 or later suitable for running the script
?S: to determine inc_version_list.
?S:.
?T: tdir
: Find perl5.005 or later.
echo "Looking for a previously installed perl5.005 or later... "
case "$perl5" in
") for tdir in `echo "$binexp$path_sep$PATH" | $sed "s/$path_sep/
 /g"`; do
  : Check if this perl is recent and can load a simple module
  if $test -x $tdir/perl$exe_ext && $tdir/perl -Mless -e 'use 5.005;' >/dev/null 2>&1; then
   perl5=$tdir/perl
   break;
  elif $test -x $tdir/perl5$exe_ext && $tdir/perl5 -Mless -e 'use 5.005;' >/dev/null 2>&1; then
   perl5=$tdir/perl5
   break;
  fi
 done
 ;;
*) perl5="$perl5"
 ;;
esac
case "$perl5" in
") echo "None found.  That's ok.";;
*) echo "Using $perl5." ;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/perl5.U
No license file was found, but licenses were detected in source scan.

Perl5 Metaconfig Units

Copyright (c) 1996-1998, Andy Dougherty
Copyright (c) 1999-2011, H.Merijn Brand
All rights reserved.

These units are the ones I used to build Configure and config_h.SH
in the Perl5 distribution.

The Configure script and config_h.SH file in the Perl distribution are
generated by a program called metaconfig. To run metaconfig, you will

need the full dist 3.0 distribution, maintained by Raphael Manfredi.
As of this writing, the current version is dist3.0, patchlevel 70.
Dist version dist-3.0@70.tar.gz is available on CPAN (the Comprehensive
Perl Archive Network) as
<http://www.perl.com/perl/CPAN/authors/id/RAM/dist-3.0@70.tar.gz>.

Instructions:

1. Unpack the full perl5 sources. Execute the following command

 chmod +w Configure config_h.SH Porting/Glossary Porting/config*

2. Unpack the archive containing this file in the perl5 source
   directory. This will create a directory
 'U' under the perl5
   sources. That directory will contain the metaconfig units for perl5.
   This will also create two files in the perl5 source tree:
   MANIFEST.new and .package.

3. Apply any patches to perl in the perl_patches/ directory.
   (This may well be empty.)

4. Obtain and install dist-3.0pl70.

4. Apply any patches to dist under the dist_patches subdirectory.

5. From your main perl5 source directory, run packinit to
   regenerate the .package file. IMPORTANT: Change the name and
   address of the maintainer to your own name and address. I don't
   want bug reports intended for you coming to me.

6. From your main perl5 source directory, run

 metalint (or mlint)

   and repair every failure it reports.

7. From your main perl5 source directory, run

 metaconfig -m (or mconfig -m)

8. Edit U/mkglossary and/or U/mkgloss.pl to point to your dist-3.0pl70
   location. (See comments at the top.)

9. Run the Porting/mksample script to update the contents
 of the Porting/
   subdirectory, or run all parts by hand. (see README)

NB: this script used to be U/mksample replaced by Porting/mksample;
see Porting/pumpkin.pod instead for current documentation on its
use.

10. Let me know about any changes, corrections, or enhancements.

Things to watch out for:

1. Future support of better random number generators should probably
start with the randfunc.U unit included here. It's currently
broken, but well commented and probably a good place to start.

Descriptions:

The units and other related files have been broken up into the following
directories:

acl/
This is an old patch to begin to detect and use ACL (access
control list) file protection schemes.

compline/
These are similar to the standard units, but I have modified them
to have a more uniform compile command line, usually using the new
Compile.U unit. I have submitted these for inclusion into the
regular dist distribution. (The ccflags.U
unit is actually
perl-specific since it mentions -DDEBUGGING and -DPOSIX_SOURCE,
but that's the only place it is perl-specific.)

dist_patches/
These are patches to dist that must be applied before it is built
and installed. I have submitted these for inclusion in the
regular dist distribution.

modified/
These are modified versions of the standard units. Also included in
this directory are new units that are clearly derived from existing
units. I have submitted these for inclusion in the regular dist
distribution.

perl/
These are specific to perl. Some are heavily derived from
original dist units, and are marked as such. Others are original.

perl_patches/
These are patches to the perl source. This directory
should ordinarily be empty, but there may have been drift between

the standard version of perl and the one associated with these units.

protos/
These are units modified to use the new Hasproto.U or Protochk.U units to check for prototypes. I have submitted these for inclusion into the regular dist distribution.

target/
This is the very, very beginning of cross-compiler support. It doesn't work yet, and many standard units will need modification.

typedefs/
These are standard units modified to use the modified Typedef.U unit to check for typedefs. (The modified Typdef.U includes a function to avoid unnecessary prompts if the typdef being searched for exists.) I have submitted these for inclusion into the regular dist distribution.

threads/
These are specific to threading perl.

Copyright Information:

Unless otherwise indicated, the files contained in this distribution are:

Copyright (c) 1996-1998, Andy Dougherty

The following licensing terms apply to all files contained in this distribution:

You may distribute the files contained in this distribution under the terms of either

a) the "Artistic License" which comes with Perl,
or

b) the "Artistic License" which comes with dist, or

c) the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version (see the file "Copying" that comes with the Perl distribution).

Which one to use is your choice.

The units in the "modified" directory have been derived from units
associated with the metaconfig program of Raphael Manfredi's "dist"
distribution. These units list Raphael Manfredi as the Copyright holder.
dist is distributed under a modified version of the Perl Artistic License.
Clause 7 of this modified license as contained in dist-3.0-pl60 provides:

7. You may reuse parts of this Package in your own programs, provided
that you explicitly state where you got them from, in the source code
(and, left to your courtesy, in the documentation), duplicating
all the associated copyright notices and disclaimers. Besides
your changes, if any, must be clearly marked
as such. Parts reused
that way will no longer fall under this license if, and only if,
the name of your program(s) have no immediate connection with the
name of the Package itself or its associated programs. You may then
apply whatever restrictions you wish on the reused parts or choose
to place them in the Public Domain--this will apply only within the
context of your package.

In accordance with this clause, the versions of these units
contained here are made available under the same terms as the
rest of the units.

If you have any questions about the use of these units or about
the differences between these units and the standard versions, please
feel free to ask.

Andy Dougherty doughera@lafayette.edu
Dept. of Physics
Lafayette College
Easton, PA 18042-1782

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/README.dist
No license file was found, but licenses were detected in source scan.

?RCS: $Id: Extras.U,v$
?RCS:
?RCS: Copyright (c) 2001, Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:extras: Myread Oldconfig Setvar rm
?MAKE: -pick add $@ %<
?Y:TOP
?S:extras:

```
?S: This variable holds a list of extra modules to install.
?S:.
: See if we want extra modules installed
echo " "
case "$extras" in
") dflt='n';;
*) dflt='y';;
esac
cat <<EOM
Perl can be built with extra modules or bundles of modules which
will be fetched from the CPAN and installed alongside Perl.

Notice that you will need access to the CPAN; either via the Internet,
or a local copy, for example a CD-ROM or a local CPAN mirror.  (You will
be asked later to configure the CPAN.pm module which will in turn do
the installation of the rest of the extra modules or bundles.)

Notice also that if the modules require
 any external software such as
libraries and headers (the libz library and the zlib.h header for the
Compress::Zlib module, for example) you MUST have any such software
already installed, this configuration process will NOT install such
things for you.

If this doesn't make any sense to you, just accept the default '$dflt'.
EOM
rp='Install any extra modules (y or n)?'
. ./myread
case "$ans" in
y|Y)
 cat <<EOM

Please list any extra modules or bundles to be installed from CPAN,
with spaces between the names.  The names can be in any format the
'install' command of CPAN.pm will understand.  (Answer 'none',
without the quotes, to install no extra modules or bundles.)
EOM
 rp='Extras?'
 dflt="$extras"
 . ./myread
 extras="$ans"
esac
case "$extras" in
"|'none')
 val=''
 $rm -f ../extras.lst
 ;;
*) echo "(Saving the list of extras for later...)"
```

```
 echo "$extras" > ../extras.lst
 val='"$extras"'
 ;;
esac
set extras
eval $setvar
echo " "
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/Extras.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: h_fcntl.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: h_fcntl.U,v $
?RCS: Revision 3.0  1993/08/18  12:08:12  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:h_fcntl: Nothing
?MAKE: -pick add $@ %<
?S:h_fcntl:
?S: This is variable gets set in various places to tell i_fcntl that
?S: <fcntl.h> should be included.
?S:.
: Initialize h_fcntl
h_fcntl=false
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/h_fcntl.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Myinit.U,v 3.0 1993/08/18 12:05:07 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: This file is included with or a derivative work of a file included
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.
?RCS: In accordance with clause 7 of dist's modified Artistic License:
```

```
?RCS:
?RCS:     You may distribute under the terms of either the GNU General Public
?RCS:     License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: Myinit.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:07  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: If you want to initialize any default values, copy this unit to your
?X: personal U directory and add the assignments to the end.  This file
?X: is included after variables are initialized but before any old
?X: config.sh file is read in and before any Configure switch processing.
?X:
?MAKE:Myinit
 libswanted: Init
?MAKE: -pick add $@ %<
?S:libswanted:
?S: This variable holds a list of all the libraries we want to
?S: search.  The order is chosen to pick up the c library
?S: ahead of ucb or bsd libraries for SVR4.
?S:.
?LINT:extern usevfork glibpth
?LINT:change usevfork glibpth
: List of libraries we want.
?X: Put crypt here, even though I should really fix d_crypt.U to look
?X: for it correctly, including possible shared library versions.
: If anyone needs extra -lxxx, put those in a hint file.
libswanted="cl pthread socket bind inet ndbm gdbm dbm db malloc dl ld"
libswanted="$libswanted sun m crypt sec util c cposix posix ucb bsd BSD"
: We probably want to search /usr/shlib before most other libraries.
: This is only used by the lib/ExtUtils/MakeMaker.pm routine extliblist.
glibpth=`echo " $glibpth " | sed -e 's! /usr/shlib ! !'`
glibpth="/usr/shlib $glibpth"
: Do not use vfork unless overridden by a hint file.
usevfork=false
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Myinit.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_group.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
```

?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_group.U,v $
?RCS: Revision 3.0.1.2 1997/02/28 15:34:52 ram
?RCS: patch61: useless unit dropped.
?RCS:
?RCS: Revision 3.0.1.1 1994/08/29 16:07:48 ram
?RCS: patch32: created by ADO
?RCS:
?X:
?X: Useless unit dropped.
?X:
?LINT:empty

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_group.U
No license file was found, but licenses were detected in source scan.

?RCS: Id
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Thomas Neumann <tom@smart.bo.open.de>
?RCS:
?RCS: $Log: Findhdr.U,v $
?RCS: Revision 3.0.1.2 1994/10/29 15:53:08 ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0.1.1 1994/05/06 14:03:56 ram
?RCS: patch23: cppminus must be after other cppflags, not before
?RCS:
?RCS: Revision 3.0 1993/08/18 12:04:54 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a findhdr script which is used to locate the header
?X: files

```
 in $usrinc or other stranger places using cpp capabilities. The
?X: script is given an include file base name, like 'stdio.h' or 'sys/file.h'
?X: and it returns the full path of the include file and a zero status or an
?X: empty string with an error status if the file could not be located.
?X:
?MAKE:Findhdr: grep test tr rm +usrinc awk cat startsh \
 cppstdin cppminus +cppflags eunicefix osname
?MAKE: -pick add $@ %<
?LINT:define fieldn
?S:fieldn:
?S: This variable is used internally by Configure. It contains the position
?S: of the included file name in cpp output. That is to say, when cpp
?S: pre-processes a #include <file> line, it replaces it by a # line which
?S: contains the original position in the input file and the full name of
?S: included file, between "quotes".
?S:.
?V:fieldn
?F:./findhdr !fieldn
?T:cline pos wanted name awkprg cppfilter testaccess status usrincdir
: determine filename position in cpp output
echo " "
echo "Computing filename position in cpp output for #include
 directives..." >&4
echo '#include <stdio.h>' > foo.c
case "$osname" in
vos)
 testaccess=-e
?X: VOS: path component separator is >
 cppfilter="tr '\\\\>' '/' |"
 ;;
*)
 testaccess=-r
 cppfilter="
 ;;
esac
$cat >fieldn <<EOF
$startsh
$cppstdin $cppflags $cppminus <foo.c 2>/dev/null | \
$grep '^[  ]*#.*stdio\.h' | \
while read cline; do
 pos=1
 set \$cline
 while $test \$# -gt 0; do
  if $test $testaccess \`echo \$1 | $tr -d ""\`; then
   echo "\$pos"
   exit 0
  fi
  shift
```

```
  pos=\`expr \$pos + 1\`
 done
done
EOF
chmod +x fieldn
fieldn=`./fieldn`
$rm -f foo.c fieldn
case $fieldn in
") pos='???';;
1) pos=first;;
2) pos=second;;
3) pos=third;;
*) pos="${fieldn}th";;
esac
echo "Your cpp writes the filename in the $pos field of the line."

?X: To locate a header file, we cannot simply check for $usrinc/file.h, since
?X: some machine have the headers in weird places and our only hope is that
?X: the C pre-processor will know how to find those headers. Thank you NexT!
: locate header file
$cat
 >findhdr <<EOF
$startsh
wanted=\$1
name=''
for usrincdir in $usrinc; do
 if test -f \$usrincdir/\$wanted; then
  echo "\$usrincdir/\$wanted"
  exit 0
 fi
done
awkprg='{ print \$$fieldn }'
echo "#include <\$wanted>" > foo\$\$.c
$cppstdin $cppminus $cppflags < foo\$\$.c 2>/dev/null | \
$cppfilter $grep "^[  ]*#.*\$wanted" | \
while read cline; do
 name=\`echo \$cline | $awk "\$awkprg" | $tr -d '"'\`
 case "\$name" in
 *[/\\\]\$wanted) echo "\$name"; exit 1;;
 *[\\\/]\$wanted) echo "\$name"; exit 1;;
 *) exit 2;;
 esac
done
?X: status = 0: grep returned 0 lines, case statement not executed
?X: status = 1: headerfile found
?X: status = 2: while loop executed, no headerfile found
status=\$?
$rm -f foo\$\$.c
```

```
if test \$status -eq 1; then
 exit 0
fi
exit 1
EOF
chmod +x findhdr
$eunicefix findhdr
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Findhdr.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Init.U,v $
?RCS: Revision 3.0.1.1  1994/10/31  09:45:59  ram
?RCS: patch44: removed Options from MAKE to prevent Init overrides
?RCS: patch44: option processing now done after Myinit thanks to new Begin.U
?RCS: patch44: moved "Beginning of configuration questions" to Begin.U
?RCS: patch44: moved signal trapping instruction to Begin.U as well
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:02  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This file initializes certain default variables
 used by Configure.  They
?X: may be overridden or added to by definitions in Myinit.U.
?X:
?MAKE:Init eunicefix _exe: Null
?MAKE: -pick add $@ %<
?MAKE: -pick weed $@ ./Init
?S:eunicefix:
?S: When running under Eunice this variable contains a command which will
?S: convert a shell script to the proper form of text file for it to be
?S: executable by the shell.  On other systems it is a no-op.
?S:.
?S:_exe (exe_ext):
?S: This variable defines the extension used for executable files.
```

```
?S: For unix it is empty.  Other possible values include '.exe'.
?S: DJGPP, Cygwin and OS/2 use '.exe'.  Stratus VOS uses '.pm'.
?S: On operating systems which do not require a specific extension
?S: for executable files, this variable is empty.
?S:.
?V:define undef smallmach:rmlist
?X:
?X: Throughout the units, one may make use of $define and $undef to reference
?X: a defined symbol or an undefined one. There is no need to add them in
?X: the dependency line since this unit makes them visible via ?V:, and
?X:
 everyone inherits from those symbols since by convention Init.U is the
?X: root dependency.
?X:
?T: DJGPP
: Initialize wide constants
define='define'
undef='undef'
smallmach='pdp11 i8086 z8000 i80286 iAPX286'
rmlist=''

: We must find out about Eunice early
eunicefix=':'
if test -f /etc/unixtovms; then
 eunicefix=/etc/unixtovms
fi
if test -f /etc/unixtovms.exe; then
 eunicefix=/etc/unixtovms.exe
fi

: Set executable suffix now -- needed before hints available
if test -f "/libs/version.library"; then
 : Amiga OS
  _exe=""
elif test -f "/system/gnu_library/bin/ar.pm"; then
 : Stratus VOS
 _exe=".pm"
elif test -n "$DJGPP"; then
 : DOS DJGPP
  _exe=".exe"
elif test -d c:/. ; then
 : OS/2 or cygwin
 _exe=".exe"
else
 : All other UNIX systems
 _exe=""
fi
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Init.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: mailer.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: mailer.U,v $
?RCS: Revision 3.0.1.3  1995/01/11  15:32:11  ram
?RCS: patch45: can now use Loc variables since path stripping is deferred
?RCS:
?RCS: Revision 3.0.1.2  1994/05/06  15:10:04  ram
?RCS: patch23: ensure full path value is used for rmail also
?RCS:
?RCS: Revision 3.0.1.1  1994/01/24  14:14:18  ram
?RCS: patch16: now use _sendmail vars and friends for portability issues
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:10  ram
?RCS: Baseline for dist
 3.0 netwide release.
?RCS:
?MAKE:mailer: test cat rmail mail smail sendmail Getfile Oldconfig
?MAKE: -pick add $@ %<
?S:mailer:
?S: This variable contains the full pathname of a reasonable mailer.
?S: By reasonable, we mean some program which can understand internet
?S: addresses or at least forward them to some internet router. This
?S: mailer should be invoked as "mailer [options] recipients <mail".
?S:.
: determine the name of a reasonable mailer
case "$mailer" in
")
 if $test -f "$sendmail"; then
  dflt="$sendmail"
 elif $test -f "$smail"; then
  dflt="$smail"
 elif $test -f "$rmail"; then
  dflt="$rmail"
 elif $test -f /bin/mail; then
  dflt=/bin/mail
```

```
 else
  dflt=$mail
 fi
 ;;
*)  dflt="$mailer";;
esac
$cat <<EOM

I need the full pathname of the program used to deliver mail on your system.
A typical answer would be /usr/lib/sendmail or /bin/rmail, but you may choose
any other program, as long as it can be fed from standard input and will
honour any user-supplied headers.

EOM
fn=f
rp='Mail
 transport agent to be used?'
. ./getfile
mailer="$ans"
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/mailer.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: lintlib.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: lintlib.U,v $
?RCS: Revision 3.0  1993/08/18  12:09:05  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:lintlib lintlibexp: Getfile Loc Oldconfig
?MAKE: -pick add $@ %<
?S:lintlib:
?S: This variable holds the name of the directory in which the user wants
?S: to put public lint-library files for the package in question.  It is
?S: most often a local directory such as /usr/local/lib/lint. Programs using
?S: this variable must be prepared to
 deal with ~name expansion.
?S:.
```

```
?S:lintlibexp:
?S: This variable is the same as the lintlib variable, but is filename
?S: expanded at configuration time, for convenient use in your makefiles.
?S:.
: determine where public lint libraries go
case "$lintlib" in
") dflt=`./loc . "." /usr/local/lib/lint /usr/lib/lint /usr/lib`;;
*) dflt="$lintlib" ;;
esac
echo " "
fn=d~
rp='Where do you want to put the public lint libraries?'
. ./getfile
lintlib="$ans"
lintlibexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/lintlib.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: contains.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: contains.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:35  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:contains: Nothing
?MAKE: -pick add $@ %<
?S:contains:
?S: This variable holds the command to do a grep with a proper return
?S: status.  On most sane systems it is simply "grep".  On insane systems
?S: it is a grep followed by a cat followed by a test.  This variable
?S: is primarily for the use of other Configure units.
?S:.
: Some
 greps do not return status, grrr.
echo "grimblepritz" >grimble
if grep blurfldyick grimble >/dev/null 2>&1 ; then
 contains=contains
```

```
elif grep grimblepritz grimble >/dev/null 2>&1 ; then
 contains=grep
else
 contains=contains
fi
rm -f grimble
: the following should work in any shell
case "$contains" in
contains*)
 echo " " >&4
 echo "AGH!  Grep doesn't return a status.  Attempting remedial action." >&4
 cat >contains <<'EOSS'
grep "$1" "$2" >.greptmp && cat .greptmp && test -s .greptmp
EOSS
contains=./contains
chmod +x $contains
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/contains.U
No license file was found, but licenses were detected in source scan.

```
/*
* This file was produced by running the config_h.SH script, which
* gets its values from $CONFIG_SH, which is generally produced by
* running Configure.
*
* Feel free to modify any of this as the need arises.  Note, however,
* that running config_h.SH again will wipe out any changes you've made.
* For a more permanent change edit $CONFIG_SH and rerun config_h.SH.
*
* \$Id: Config_h.U 1 2006-08-24 12:32:52Z rmanfredi $
*/
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Config_h.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
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```

```
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: orderlib.U,v $
?RCS: Revision 3.0.1.4  1997/02/28  16:18:18  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS: patch61: likewise for .o replaced by $_o
?RCS: patch61: now uses the ar located by Loc.U
?RCS:
?RCS: Revision 3.0.1.3  1995/01/11  15:33:04  ram
?RCS: patch45: allows hint files to specify their own value for 'ranlib'
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  16:26:48  ram
?RCS: patch36: now performs a real small compile for accurate checks (ADO)
?RCS:
?RCS: Revision 3.0.1.1
  1994/08/29  16:31:17  ram
?RCS: patch32: use cc variable instead of hardwired 'cc' in 1st compile
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:26  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:orderlib ranlib: Loc ar cat test rm +cc +ccflags +ldflags +libs _a _o
?MAKE: -pick add $@ %<
?S:orderlib:
?S: This variable is "true" if the components of libraries must be ordered
?S: (with `lorder $* | tsort`) before placing them in an archive.  Set to
?S: "false" if ranlib or ar can generate random libraries.
?S:.
?S:ranlib:
?S: This variable is set to the pathname of the ranlib program, if it is
?S: needed to generate random libraries.  Set to ":" if ar can generate
?S: random libraries or if random libraries are not supported
?S:.
?F:!foobar
: see if ar generates random libraries by itself
echo " "
echo "Checking how to generate random libraries on your machine..." >&4
?X: Some systems (like MIPS) complain when running ar... Others like Ultrix
?X: need an explicit 'ar ts'
 to add the table of contents.
?X: Still others like Linux run ar ts successfully, but still need ranlib.
?X: This set of tests seems the minimum necessary to check out Linux.
?X: We need to explicitly put the entries in out-of-order so that Sun's ld
?X: will fail.  (Otherwise it complains, but gives an exit status of 0.)
echo 'int bar1() { return bar2(); }' > bar1.c
echo 'int bar2() { return 2; }' > bar2.c
$cat > foo.c <<'EOP'
int main() { printf("%d\n", bar1()); exit(0); }
```

```
EOP
$cc $ccflags -c bar1.c >/dev/null 2>&1
$cc $ccflags -c bar2.c >/dev/null 2>&1
$cc $ccflags -c foo.c >/dev/null 2>&1
$ar rc bar$_a bar2$_o bar1$_o >/dev/null 2>&1
if $cc $ccflags $ldflags -o foobar foo$_o bar$_a $libs > /dev/null 2>&1 &&
 ./foobar >/dev/null 2>&1; then
 echo "ar appears to generate random libraries itself."
 orderlib=false
 ranlib=":"
elif $ar ts bar$_a >/dev/null 2>&1 &&
 $cc $ccflags $ldflags -o foobar foo$_o bar$_a $libs > /dev/null 2>&1 &&
 ./foobar >/dev/null 2>&1; then
  echo "a table of contents
 needs to be added with 'ar ts'."
  orderlib=false
  ranlib="$ar ts"
else
?X: Allow hints to specify their own ranlib "script". For instance, on
?X: some NeXT machines, the timestamp put by ranlib is not correct, and this
?X: may raise tedious recompiles for nothing. Therefore, NeXT may add the
?X: ranlib='sleep 5; /bin/ranlib' line in their hints to "fix" that.
?X: (reported by Andreas Koenig <k@franz.ww.tu-berlin.de>)
 case "$ranlib" in
 :) ranlib=";;
 ")
  ranlib=`./loc ranlib X /usr/bin /bin /usr/local/bin`
  $test -f $ranlib || ranlib="
  ;;
 esac
 if $test -n "$ranlib"; then
  echo "your system has '$ranlib'; we'll use that."
  orderlib=false
 else
  echo "your system doesn't seem to support random libraries"
  echo "so we'll use lorder and tsort to order the libraries."
  orderlib=true
  ranlib=":"
 fi
fi
$rm -f foo* bar*
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/orderlib.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: Begin.U 1 2006-08-24 12:32:52Z rmanfredi $

```
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Begin.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  14:56:35  ram
?RCS: patch61: added Extractall dependency
?RCS:
?RCS: Revision 3.0.1.2  1995/01/30  14:25:08  ram
?RCS: patch49: avoid an empty rmlist: systems might choke on it (WED)
?RCS:
?RCS: Revision 3.0.1.1  1994/10/31  09:32:20  ram
?RCS: patch44: created
?RCS:
?X:
?X: This file comes after option processing had been done and after all
?X: the default values have been set up. It marks the beginning
 of questions.
?X: It is important that Options be listed *after* Myinit to ensure that the
?X: default initializations performed by Init and Myinit will not clobber
?X: any setting done on the command line via -D or -U.
?X:
?MAKE:Begin: Myinit Options package Extractall
?MAKE: -pick add $@ %<
: Eunice requires " " instead of "", can you believe it
echo " "
: Here we go...
echo "Beginning of configuration questions for $package."

?X: Make sure the rm below is given a non-empty list for some systems.
?X: This is run only when within the UU directory, hence we can safely
?X: attempt to rm a non-existent 'X' file...
trap 'echo " "; test -d ../UU && rm -rf X $rmlist; exit 1' 1 2 3 15
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Begin.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: lns.U,v $
?RCS: Revision 3.0.1.1  1994/06/20  07:05:52  ram
?RCS: patch30: created by ADO
?RCS:
?X:
?X: This unit checks whether symbolic links are really supported.
?X: We can't rely on d_symlink because that may be listed in the
?X: C library but unimplemented.
?X:
?MAKE:lns: ln rm touch test
?MAKE: -pick add $@ %<
?S:lns:
?S: This variable holds the name of the command to make
?S: symbolic links (if they are supported).
  It can be used
?S: in the Makefile. It is either 'ln -s' or 'ln'
?S:.
: determine whether symbolic links are supported
echo " "
$rm -f blurfl sym
$touch blurfl
if $ln -s blurfl sym > /dev/null 2>&1 && $test -f sym; then
 echo "Symbolic links are supported." >&4
 lns="$ln -s"
else
 echo "Symbolic links are NOT supported." >&4
 lns="$ln"
fi
$rm -f blurfl sym
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/lns.U
No license file was found, but licenses were detected in source scan.

```
/*|?:[\/]*)
if test -f "$xxx"; then
: ok
else
./warn "no $xxx -- ignoring your setting for $file."
```

```
xxx=`./loc $file $file $pth`
fi
;;
") xxx=`./loc $file $file $pth`;;
*) xxx=`./loc $xxx $xxx $pth`;;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\/]*)
echo $file is in $xxx.
;;
*)
echo "I don't know where '$file' is, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac
done
echo " "
echo "Don't worry if any of the following aren't found..."
say=offhand
for file in $trylist; do
?X: Allow them to -Dmake=pmake on the command line for instance (see above)
eval xxx=\$$file
case "$xxx" in
/*|?:[\/]*)
if test -f "$xxx"; then
: ok
else
./warn "no $xxx -- ignoring your setting for $file."
xxx=`./loc $file $file $pth`
fi
;;
") xxx=`./loc $file $file $pth`;;
*) xxx=`./loc $xxx
 $xxx $pth`;;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
```

```
?X: Under OS/2, we have PC-like paths
?:[\\/]*)
echo $file is in $xxx.
;;
*)
echo "I don't see $file out there, $say."
say=either
;;
esac
done
case "$egrep" in
egrep)
echo "Substituting grep for egrep."
egrep=$grep
_egrep=$_grep
;;
esac
@if ln
case "$ln" in
ln)
echo "Substituting cp for ln."
ln=$cp
_ln=$_cp
;;
esac
@end
@if make || gmake
case "$make" in
make)
case "$gmake" in
gmake)
echo "I can't find make or gmake, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac
;;
esac
case "$gmake" in
gmake) ;;
*) # We can't have osname yet.
if test -f "/system/gnu_library/bin/ar.pm"; then # Stratus VOS
# Assume that gmake, if found, is definitely GNU make
# and prefer it over the system make.
echo "Substituting gmake for make."
make=$gmake
_make=$_gmake
fi
```

```
;;
esac
@end
case "$test" in
test)
echo "Hopefully test is built into
 your sh."
;;
*)
if `sh -c "PATH= test true" >/dev/null 2>&1`; then
echo "Using the test built into your sh."
?X:
?X: We need to set both test and _test, since Oldconfig.U will use the _test
?X: value to systematically restore computed paths, which may be wrong if
?X: we choose to load an old config.sh generated on another platform.
?X:
test=test
_test=test
fi
;;
esac
?LINT:change n c
case "$echo" in
echo)
echo "Hopefully echo is built into your sh."
;;
?X: For those rare cases where we don't need $echo...
") ;;
*)
echo " "
echo "Checking compatibility between $echo and builtin echo (if any)..." >&4
$echo $n "hi there$c" >foo1
echo $n "hi there$c" >foo2
if cmp foo1 foo2 >/dev/null 2>&1; then
echo "They are compatible.  In fact, they may be identical."
else
case "$n" in
'-n') n=" c='\c';;
*) n='-n' c=";;
esac
cat <<FOO
They are not compatible!  You are probably running ksh on a non-USG system.
I'll have to use $echo instead of the builtin, since Bourne shell doesn't
have echo built
 in and we may have to run some Bourne shell scripts.  That
means I'll have to use '$n$c' to suppress newlines now.  Life is ridiculous.

FOO
```

```
$echo $n "The star should be here-->$c"
$echo "*"
fi
$rm -f foo1 foo2
;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Loc.U
No license file was found, but licenses were detected in source scan.

```
# Yes, you may rip this off to use in other distribution packages. This
# script belongs to the public domain and cannot be copyrighted.
#
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Head.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Head.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Options.U,v $
?RCS: Revision 3.0.1.7  1997/02/28  15:08:15  ram
?RCS: patch61: optdef.sh now starts with a "startsh"
?RCS: patch61: moved some code from Head.U
?RCS:
?RCS: Revision 3.0.1.6  1995/09/25  09:14:46  ram
?RCS: patch59: protected option parsing code against 'echo -*' option failure
?RCS:
?RCS: Revision 3.0.1.5  1995/05/12  12:04:52  ram
?RCS: patch54: added -K option for experts
?RCS:
?RCS: Revision 3.0.1.4  1995/01/30  14:27:52  ram
?RCS: patch49: this unit now exports file optdef.sh,
 not a variable
?RCS:
```

```
?RCS: Revision 3.0.1.3  1995/01/11  15:19:00  ram
?RCS: patch45: new -O option allowing -D and -U to override config.sh settings
?RCS: patch45: file optdef.sh is no longer removed after sourcing
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  15:58:06  ram
?RCS: patch36: ensure option definition file is removed before appending
?RCS: patch36: protect variable definitions with spaces in them
?RCS:
?RCS: Revision 3.0.1.1  1994/06/20  06:55:44  ram
?RCS: patch30: now uses new me symbol to tag error messages
?RCS: patch30: new -D and -U options to define/undef symbols (JHI)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:14  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: Command line parsing. It is really important that the variables used here
?X: be not listed in the MAKE line, or they will be saved in config.sh and
?X: loading this file to fetch default answers would clobber the values set
?X: herein.
?X:
?MAKE:Options: startsh
?MAKE: -pick wipe $@ %<
?V:reuseval
 alldone error realsilent silent extractsh fastread \
 override knowitall: config_sh
?T:arg argn symbol config_arg0 config_args config_argc xxx yyy zzz uuu
?T:args_exp args_sep arg_exp
?F:!Configure
?F:./optdef.sh ./cmdline.opt ./posthint.sh ./cmdl.opt
: Save command line options in file UU/cmdline.opt for later use in
: generating config.sh.
?X: This temporary file will be read by Oldsym.U.  I used a temporary
?X: file to preserve all sorts of potential command line quotes and
?X: also because we don't know in advance how many variables we'll
?X: need, so I can't actually declare them on the MAKE line.
?X: The config_args variable won't be quite correct if Configure is
?X: fed something like    ./Configure -Dcc="gcc -B/usr/ccs/bin/"
?X: since the quotes are gone by the time we see them.  You'd have to
?X: reconstruct the command line from the config_arg? lines, but since
?X: I don't imagine anyone actually having to do that, I'm not going
?X: to worry too much.
cat > cmdline.opt
 <<EOSH
: Configure command line arguments.
config_arg0='$0'
config_args='$*'
config_argc=$#
```

```
EOSH
argn=1
args_exp=''
args_sep=''
for arg in "$@"; do
 cat >>cmdline.opt <<EOSH
config_arg$argn='$arg'
EOSH
?X: Extreme backslashitis: replace each ' by '''''
 cat <<EOC | sed -e "s/'/'''''''''''''/g" > cmdl.opt
$arg
EOC
 arg_exp=`cat cmdl.opt`
 args_exp="$args_exp$args_sep'$arg_exp'"
 argn=`expr $argn + 1`
 args_sep=' '
done
?X: args_exp is good for restarting self: eval "set X $args_exp"; shift; $0 "$@"
?X: used by hints/os2.sh in Perl, for instance
rm -f cmdl.opt

: produce awk script to parse command line options
cat >options.awk <<'EOF'
BEGIN {
 optstr = "A:dD:eEf:hKOrsSU:V"; # getopt-style specification

 len = length(optstr);
 for (i = 1; i <= len; i++) {
  c = substr(optstr, i, 1);
?X: some older awk's do not have the C ?: construct
  if (i < len) a = substr(optstr, i + 1, 1); else a = "";
  if (a == ":") {
   arg[c] = 1;
   i++;
  }
  opt[c] = 1;
 }
}
{
 expect = 0;
 str = $0;
 if (substr(str,
 1, 1) != "-") {
  printf("'%s'\n", str);
  next;
 }
 len = length($0);
 for (i = 2; i <= len; i++) {
```

```
  c = substr(str, i, 1);
  if (!opt[c]) {
   printf("-%s\n", substr(str, i));
   next;
  }
  printf("-%s\n", c);
  if (arg[c]) {
   if (i < len)
    printf("'%s'\n", substr(str, i + 1));
   else
    expect = 1;
   next;
  }
 }
}
END {
 if (expect)
  print "?";
}
EOF

: process the command line options
?X: Use "$@" to keep arguments with spaces in them from being split apart.
?X: For the same reason, awk will output quoted arguments and the final eval
?X: removes them and sets a proper $* array. An 'X' is prependend to each
?X: argument before being fed to echo to guard against 'echo -x', where -x
?X: would be understood as an echo option! It is removed before feeding awk.
set X `for arg in "$@"; do echo "X$arg"; done |
 sed -e s/X// | awk -f options.awk`
eval "set $*"
shift
rm -f options.awk

: set up default values
fastread=''
reuseval=false
config_sh=''
alldone=''
error=''
silent=''
extractsh=''
override=''
knowitall=''
rm
 -f optdef.sh posthint.sh
cat >optdef.sh <<EOS
$startsh
EOS
```

```
?X:
?X: Given that we now have the possibility to execute Configure remotely
?X: thanks to the new src.U support, we have to face the possibility
?X: of having to ask where the source lie, which means we need the Myread.U
?X: stuff and possibly other things that might echo something on the
?X: screen...
?X:
?X: That's not pretty, and might be confusing in 99% of the time. So...
?X: We introduce a new realsilent variable which is set when -s is given,
?X: and we force silent=true if -S is supplied. The Extractall.U unit
?X: will then undo the >&4 redirection based on the value of the
?X: realsilent variable... -- RAM, 18/93/96
?X:

: option parsing
while test $# -gt 0; do
 case "$1" in
 -d) shift; fastread=yes;;
 -e) shift; alldone=cont;;
 -f)
  shift
  cd ..
  if test -r "$1"; then
   config_sh="$1"
  else
   echo "$me: cannot read config file $1." >&2
   error=true
  fi
  cd UU
  shift;;
 -h)
 shift; error=true;;
 -r) shift; reuseval=true;;
 -s) shift; silent=true; realsilent=true;;
 -E) shift; alldone=exit;;
 -K) shift; knowitall=true;;
 -O) shift; override=true;;
 -S) shift; silent=true; extractsh=true;;
 -D)
  shift
  case "$1" in
  *=)
   echo "$me: use '-U symbol=', not '-D symbol='." >&2
   echo "$me: ignoring -D $1" >&2
   ;;
  *=*) echo "$1" | \
    sed -e "s/'/'\''\''/g" -e "s/=\(.*\)/='\1'/" >> optdef.sh;;
```

```
 *) echo "$1='define'" >> optdef.sh;;
 esac
 shift
 ;;
-U)
 shift
 case "$1" in
 *=) echo "$1" >> optdef.sh;;
 *=*)
  echo "$me: use '-D symbol=val', not '-U symbol=val'." >&2
  echo "$me: ignoring -U $1" >&2
  ;;
 *) echo "$1='undef'" >> optdef.sh;;
 esac
 shift
 ;;
-A)
   shift
   xxx=''
   yyy="$1"
   zzz=''
   uuu=undef
   case "$yyy" in
        *=*) zzz=`echo "$yyy"|sed 's!=.*!!'`
             case "$zzz" in
             *:*) zzz='' ;;
             *)   xxx=append
                  zzz=' '`echo
"$yyy"|sed 's!^[^=]*=!!'`
                  yyy=`echo "$yyy"|sed 's!=.*!!'` ;;
             esac
             ;;
        esac
        case "$xxx" in
        '')  case "$yyy" in
             *:*) xxx=`echo "$yyy"|sed 's!:.*!!'`
                  yyy=`echo "$yyy"|sed 's!^[^:]*:!!'`
                  zzz=`echo "$yyy"|sed 's!^[^=]*=!!'`
                  yyy=`echo "$yyy"|sed 's!=.*!!'` ;;
             *)   xxx=`echo "$yyy"|sed 's!:.*!!'`
                  yyy=`echo "$yyy"|sed 's!^[^:]*:!!'` ;;
             esac
             ;;
        esac
   case "$xxx" in
   append)
 echo "$yyy=\"\${$yyy}$zzz\"" >> posthint.sh ;;
   clear)
```

```
 echo "$yyy=""   >> posthint.sh ;;
    define)
        case "$zzz" in
 ") zzz=define ;;
 esac
 echo "$yyy='$zzz'"  >> posthint.sh ;;
    eval)
 echo "eval \"$yyy=$zzz\"" >> posthint.sh ;;
    prepend)
 echo "$yyy=\"$zzz\${$yyy}\"" >> posthint.sh ;;
    undef)
        case "$zzz" in
 ")
zzz="$uuu" ;;
 esac
 echo "$yyy=$zzz"  >> posthint.sh ;;
         *)  echo "$me: unknown -A command '$xxx', ignoring -A $1" >&2 ;;
    esac
    shift
    ;;
-V) echo "$me generated by metaconfig <VERSION> PL<PATCHLEVEL>." >&2
    exit 0;;
--) break;;
-*) echo "$me: unknown option $1" >&2; shift; error=true;;
*) break;;
esac
done

case "$error" in
true)
 cat >&2 <<EOM
Usage: $me [-dehrsEKOSV] [-f config.sh] [-D symbol] [-D symbol=value]
               [-U symbol] [-U symbol=] [-A command:symbol...]
 -d : use defaults for all answers.
 -e : go on without questioning past the production of config.sh.
 -f : specify an alternate default configuration file.
 -h : print this help message and exit (with an error status).
 -r : reuse C symbols value if possible (skips costly nm extraction).
 -s : silent mode, only echoes questions and essential information.
 -D : define symbol to have some value:
       -D symbol         symbol gets the value 'define'
       -D symbol=value
  symbol gets the value 'value'
 -E : stop at the end of questions, after having produced config.sh.
 -K : do not use unless you know what you are doing.
 -O : let -D and -U override definitions from loaded configuration file.
 -S : perform variable substitutions on all .SH files (can mix with -f)
 -U : undefine symbol:
```

```
        -U symbol    symbol gets the value 'undef'
        -U symbol=   symbol gets completely empty
 -A : manipulate symbol after the platform specific hints have been applied:
  -A symbol=value  append " "value to symbol
  -A append:symbol=value  append value to symbol
  -A define:symbol=value  define symbol to have value
        -A clear:symbol  define symbol to be "
  -A define:symbol  define symbol to be 'define'
  -A eval:symbol=value  define symbol to be eval of value
  -A prepend:symbol=value prepend value to symbol
  -A undef:symbol  define symbol to be 'undef'
  -A undef:symbol=  define symbol to be "
 -V : print version number and exit (with
 a zero status).
EOM
 exit 1
 ;;
esac

?X:
?X: Unless they specified either -S or both -d and -e/E, make sure we're
?X: running interactively, i.e. attached to a terminal. Moved from Head.U to
?X: be able to handle batch configurations...
?X:
?X: We have to hardwire the Configure name and cannot use $me, since if they
?X: said 'sh <Configure', then $me is 'sh'...
?X:
: Sanity checks
case "$fastread$alldone" in
yescont|yesexit) ;;
*)
 case "$extractsh" in
 true) ;;
 *)
  if test ! -t 0; then
   echo "Say 'sh Configure', not 'sh <Configure'"
   exit 1
  fi
  ;;
 esac
 ;;
esac

?X: In silent mode, the standard output is closed. Questions are asked by
?X: outputing on file descriptor #4, which is the original stdout descriptor.
?X: This filters out all the "junk", since all the needed information is written
?X: on #4. Note that ksh will not let us redirect output if the file descriptor
?X: has not be defined yet, unlike sh, hence the following line...--RAM.
```

```
exec 4>&1
case "$silent" in
true)
 exec 1>/dev/null;;
esac

: run the defines and the undefines, if any, but leave the file out there...
touch optdef.sh
. ./optdef.sh
: create the posthint manipulation script and leave the file out there...
?X: this file will be perused by Oldconfig.U
touch posthint.sh
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Options.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: lib.U,v 3.0.1.3 1995/09/25 09:16:47 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: lib.U,v $
?RCS: Revision 3.0.1.3  1995/09/25  09:16:47  ram
?RCS: patch59: unit is now forced to the top of Configure, if possible
?RCS:
?RCS: Revision 3.0.1.2  1995/01/30  14:38:08  ram
?RCS: patch49: can now handle installation prefix changes (from WED)
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:27:40  ram
?RCS: patch32: now uses installation prefix to set the default
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:56  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?LINT:
 empty
?X:?MAKE:lib libexp: Getfile Loc Oldconfig Prefixit Prefixup prefixexp
?X:?MAKE: -pick add $@ %<
?X:?Y:TOP
?X:?S:lib:
?X:?S: This variable holds the name of the directory in which the user wants
```

```
?X:?S: to put public library files for the package in question.  It is most
?X:?S: often a local directory such as /usr/local/lib. Programs using this
?X:?S: variable must be prepared to deal with filename expansion.
?X:?S:.
?X:?S:libexp:
?X:?S: This variable is the same as the lib variable, but is filename expanded
?X:?S: at configuration time, for convenient use in your makefiles.
?X:?S:.
?X:: determine where public libraries go
?X:set lib lib
?X:eval $prefixit
?X:case "$lib" in
?X:")
?X: dflt=`./loc . "." $prefixexp/lib /usr/local/lib /usr/lib /lib`
?X: set dflt
?X: eval $prefixup
?X: ;;
?X:*)  dflt="$lib";;
?X:esac
?X:echo " "
?X:fn=d~
?X:rp='Where do you want to put the public libraries?'
?X:. ./getfile
?X:lib="$ans"
?X:libexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/nullified/lib.U
No license file was found, but licenses were detected in source scan.

```
/*
* $Id: dup2.C,v 3.0.1.1 1994/01/24 13:58:37 ram Exp ram $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* Original Author: Larry Wall <lwall@netlabs.com>
*
* $Log: dup2.C,v $
* Revision 3.0.1.1  1994/01/24  13:58:37  ram
* patch16: created
*
```

```
*/

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/C/fake/dup2.C
No license file was found, but licenses were detected in source scan.

?RCS: $Id: Null.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Null.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:10  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit ends up producing shell code to set all variables to ".  This
?X: probably isn't necessary, but I'm paranoid.  About certain things.
?X:
?MAKE:Null: Head
?MAKE: -pick add.Null $@ %<

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Null.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: yacc.U,v $
?RCS: Revision 3.0.1.1  1994/05/13  15:28:48  ram
?RCS: patch27: added byacc as another alternative (ADO)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:10:03  ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:yacc yaccflags: Guess Myread Loc Oldconfig byacc bison cat test
?MAKE: -pick add $@ %<
?S:yacc:
?S: This variable holds the name of the compiler compiler we
?S: want to use in the Makefile. It can be yacc, byacc, or bison -y.
?S:.
?S:yaccflags:
?S: This variable contains any
 additional yacc flags desired by the
?S: user.  It is up to the Makefile to use this.
?S:.
?T:comp
: determine compiler compiler
echo " "
comp='yacc'
if $test -f "$byacc$_exe"; then
 comp="byacc or $comp"
fi
if $test -f "$bison$_exe"; then
 comp="$comp or bison -y"
fi
case "$yacc" in
")
 yacc=`./loc yacc yacc $pth`
 if $test -f "$yacc$_exe"; then
  dflt='yacc'
 elif $test -f "$byacc$_exe"; then
  dflt='byacc'
 elif $test -f "$bison$_exe"; then
  dflt='bison'
 else
  dflt=''
 fi
 ;;
*) dflt="$yacc";;
esac
rp="Which compiler compiler ($comp) shall I use?"
. ./myread
yacc="$ans"
case "$yacc" in
*bis*)
 case "$yacc" in
 *-y*) ;;
 *)
  yacc="$yacc -y"
  echo "(Adding -y option to bison to get yacc-compatible behaviour.)"
```

```
  ;;
 esac
 ;;
esac

@if yaccflags
: see if we need extra yacc flags
dflt="$yaccflags"
case "$dflt" in
") dflt=none;;
esac
$cat <<EOH

Your yacc program may need extra flags to normally process the parser sources.
Do NOT specify any -d or -v flags here, since those are
 explicitly known
by the various Makefiles. However, if your machine has strange/undocumented
options (like -Sr# on SCO to specify the maximum number of grammar rules), then
please add them here.  To use no flags, specify the word "none".

EOH
rp="Any additional yacc flags?"
. ./myread
case "$ans" in
none) yaccflags=";;
*) yaccflags="$ans";;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/yacc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: yacc.U,v 3.0.1.1 1994/05/13 15:28:48 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: yacc.U,v $
?RCS: Revision 3.0.1.1  1994/05/13  15:28:48  ram
?RCS: patch27: added byacc as another alternative (ADO)
```

```
?RCS:
?RCS: Revision 3.0  1993/08/18  12:10:03  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:yacc yaccflags: Guess Myread Oldconfig byacc bison cat test _exe
?MAKE: -pick add $@ %<
?S:yacc:
?S: This variable holds the name of the compiler compiler we
?S: want to use in the Makefile. It can be yacc, byacc, or bison -y.
?S:.
?S:yaccflags:
?S: This
 variable contains any additional yacc flags desired by the
?S: user.  It is up to the Makefile to use this.
?S:.
?T:comp
: determine compiler compiler
case "$yacc" in
")
 dflt=yacc;;
*)
 dflt="$yacc";;
esac
echo " "
comp='yacc'
if $test -f "$byacc$_exe"; then
 dflt="$byacc"
 comp="byacc or $comp"
fi
if $test -f "$bison$_exe"; then
 comp="$comp or bison -y"
fi
rp="Which compiler compiler ($comp) shall I use?"
. ./myread
yacc="$ans"
case "$yacc" in
*bis*)
 case "$yacc" in
 *-y*) ;;
 *)
  yacc="$yacc -y"
  echo "(Adding -y option to bison to get yacc-compatible behavior.)"
  ;;
 esac
 ;;
esac

@if yaccflags
```

```
: see if we need extra yacc flags
dflt="$yaccflags"
case "$dflt" in
") dflt=none;;
esac
$cat <<EOH

Your yacc program may need extra flags to normally process the parser sources.
Do NOT specify any -d or -v flags here, since those are explicitly known
by the various Makefiles. However, if your machine has strange/undocumented
options (like -Sr# on SCO to specify the
 maximum number of grammar rules), then
please add them here.  To use no flags, specify the word "none".

EOH
rp="Any additional yacc flags?"
. ./myread
case "$ans" in
none) yaccflags=";;
*) yaccflags="$ans";;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/yacc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: lex.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Orginal Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: lex.U,v $
?RCS: Revision 3.0.1.3  1994/10/29  16:22:50  ram
?RCS: patch36: spurious single quote could cause Configure to crash
?RCS: patch36: (reported by Xavier Le Vourch <xavierl@eiffel.com>.)
?RCS:
?RCS: Revision 3.0.1.2  1994/08/29  16:27:09  ram
?RCS: patch32: added lexflags variable for lex flags setting
```

```
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  15:06:01  ram
?RCS: patch23: added
 trailing blank line for metalint
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:55  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:lex lexflags: Guess Myread Oldconfig flex test
?MAKE: -pick add $@ %<
?S:lex:
?S: This variable holds the name of the lexical analyser generator we
?S: want to use in the Makefile. It can be lex or flex.
?S:.
?S:lexflags:
?S: This variable holds any flags that should be passed to the lexical
?S: analyzer.  It is up to the Makefile to use it.
?S:.
: determine lexical analyser generator
case "$lex" in
")
 dflt=lex;;
*)
 dflt="$lex";;
esac
echo " "
if $test -f "$flex"; then
 rp='Which lexical analyser generator (lex or flex) shall I use?'
else
 rp='Which lexical analyser generator shall I use?'
fi
. ./myread
lex="$ans"

@if lexflags
: if using lex this will normally be useless, but flex frequently takes args
echo " "
case "$lexflags" in
") dflt='none';;
*) dflt="$lexflags";;
esac
rp="What flags should be given to $lex?"
. ./myread
case "$ans"
 in
none) lexflags=";;
*) lexflags="$ans";;
esac
```

@end

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/lex.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Typedef.U,v $
?RCS: Revision 3.0.1.3  1995/07/25  13:42:07  ram
?RCS: patch56: added backslash escapes within evals to prevent space problems
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  16:01:16  ram
?RCS: patch36: don't clobber visible 'val' variable, use 'varval' instead
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:05:14  ram
?RCS: patch32: created
?RCS:
?X:
?X: This unit checks for the definition of a given typedef.
?X:
?X: To use it, say:
?X: set typedef val_t default [includes]
?X: eval $typedef
?X:
?MAKE:Typedef:
 cppstdin cppminus cppflags rm contains Oldconfig
?MAKE: -pick add $@ %<
?F:!temp.c
?LINT:define typedef
?V:typedef
?S:typedef:
?S: This shell variable is used internally by Configure to check
?S: wether a given typedef is defined or not. A typical use is:
?S:  set typedef val_t default [includes]
?S:  eval $typedef
?S: That will return val_t set to default if the typedef was not found,
?S: to typedef otherwise. If no includes are specified, look in sys/types.h.
```

```
?S:.
?T:type var def inclist varval inc
: define an is-a-typedef? function
typedef='type=$1; var=$2; def=$3; shift; shift; shift; inclist=$@;
case "$inclist" in
"") inclist="sys/types.h";;
esac;
eval "varval=\$$var";
case "$varval" in
"")
 $rm -f temp.c;
 for inc in $inclist; do
  echo "#include <$inc>" >>temp.c;
 done;
 $cppstdin $cppflags $cppminus < temp.c >temp.E 2>/dev/null;
 if $contains $type temp.E >/dev/null 2>&1; then
  eval "$var=\$type";
 else
  eval "$var=\$def";
 fi;
 $rm -f temp.?;;
*) eval
 "$var=\$varval";;
esac'
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Typedef.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: lns.U,v 3.0.1.1 1994/06/20 07:05:52 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: lns.U,v $
?RCS: Revision 3.0.1.1  1994/06/20  07:05:52  ram
?RCS: patch30: created by ADO
?RCS:
?X:
?X: This unit checks whether symbolic links are really supported.
```

```
?X: We can't rely on d_symlink because that may be listed in the
?X: C library but unimplemented.
?X:
?MAKE:lns: ln rm touch
?MAKE: -pick add $@ %<
?S:lns:
?S: This variable holds the name of the command to make
?S: symbolic
 links (if they are supported).  It can be used
?S: in the Makefile. It is either 'ln -s' or 'ln'
?S:.
: determine whether symbolic links are supported
echo " "
$touch blurfl
if $ln -s blurfl sym > /dev/null 2>&1 ; then
 echo "Symbolic links are supported." >&4
 lns="$ln -s"
else
 echo "Symbolic links are NOT supported." >&4
 lns="$ln"
fi
$rm -f blurfl sym
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/lns.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Myread.U,v $
?RCS: Revision 3.0.1.6  1997/02/28  15:05:39  ram
?RCS: patch61: myread script now starts with a "startsh"
?RCS: patch61: miscellaneous fixes
?RCS:
?RCS: Revision 3.0.1.5  1995/01/11  15:14:22  ram
?RCS: patch45: added & escape allowing user to turn on -d from the prompt
?RCS:
?RCS: Revision 3.0.1.4  1994/10/31  09:48:04  ram
?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U
```

```
?RCS:
?RCS: Revision 3.0.1.3  1994/10/29  15:56:20  ram
?RCS: patch36: added ?F:
 line for metalint file checking
?RCS:
?RCS: Revision 3.0.1.2  1993/08/30  08:57:59  ram
?RCS: patch8: added new visible 'nostick' symbol, mainly for Finish.U
?RCS:
?RCS: Revision 3.0.1.1  1993/08/27  14:39:20  ram
?RCS: patch7: now sticks to the question when no default and empty answer
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:08  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in in order
?X: to do a read.  It allows for shell escapes, default assignment and
?X: parameter evaluation.
?X:
?X: To use this unit, $rp and $dflt must hold the question and the
?X: default answer. The question will be printed by the script itself.
?X: Neither $rp nor $dflt is altered by the script.
?X:
?X: The myread script will stick to the question if no default is proposed
?X: and the user answer is empty, which prevents mistakes. However, at the
?X: end of Configure, there is an exception to this rule (Finish.U) where we
?X: set
 nostick to a non-empty value to allow the Return key to play its role!
?X:
?MAKE:Myread: Options startsh n c trnl
?MAKE: -pick add $@ %<
?V:ans:dflt rp nostick
?F:./myread
?T:COLUMNS xxxm rp dflt answ aok myecho counter
?LINT:change fastread
?X: Some shells (Ultrix) do not understand ${COLUMNS:-80}, sigh!
: compute the number of columns on the terminal for proper question formatting
case "$COLUMNS" in
") COLUMNS='80';;
esac

: set up the echo used in my read
?X:
?X: This variable is intended to be eval'ed. It will echo the two
?X: variables $rp and $dflt (provided this latter has a non null value).
?X: It is mainly used by the myread script to echo the questions.
?X:
?X: The $n and $c below are substituted before Loc does its silly echo check
```

```
?X: so don't put a $ on the echo below so we get builtin, even if $echo is
?X: pointing to /bin/echo.
?X:
myecho="case \"\$xxxm\" in
") echo $n \"\$rp $c\" >&4;;
*) case \"\$rp\" in
 ") echo $n \"[\$xxxm] $c\";;
 *)
  if test \`echo \"\$rp [\$xxxm]
  \" | wc -c\` -ge $COLUMNS; then
   echo \"\$rp\" >&4
   echo $n \"[\$xxxm] $c\" >&4
  else
   echo $n \"\$rp [\$xxxm] $c\" >&4
  fi
  ;;
 esac;;
esac"

: now set up to do reads with possible shell escape and default assignment
cat <<EOSC >myread
$startsh
?X:
?X: Save value of default -- do not alter original in case of eval
?X:
xxxm=\$dflt
$myecho
?X:
?X: If there is no default, then stop, regardless of the value in fastread.
?X: In silent mode, no new-line is to be echoed if the question is empty,
?X: since this is used to wait for the "return" key.
?X:
ans='!'
counter=42
case "\$fastread" in
yes) case "\$dflt" in
 ") ;;
 *) ans=";
  case "\$silent-\$rp" in
  true-) ;;
  *) echo " " >&4;;
  esac;;
 esac;;
*) case "\$silent" in
 true) case "\$rp" in
  ") ans=";;
  esac;;
 esac;;
```

```
esac
while expr "X\$ans" : "X!" >/dev/null; do
 read answ
?X:
?X: Run 'eval' on the answer, in order to do variable substitution, in case
?X: the user types $HOME or $WHATEVER. Variables must be evaluated
 now.
?X: Typing '\$HOME' won't currently prevent from substitution -- use '\\$HOME'
?X: The $1 .. $9 and $*, as well as $@, are available to refer to the
?X: default value.
?X:
 set x \$xxxm
 shift
 aok=''; eval "ans=\\"\$answ\\"" && aok=y
 case  "\$answ" in
?X:
?X: Use "!" and not a plain ! because of a bug in BSD 4.4 shell
?X: (reported by Wayne Davison)
?X: We must handle the shell escapes before dealing with possible variable
?X: substitution, since the shell we're launching in that case will be able
?X: to do it as well as we can -- RAM, 15/03/96
?X
 "!")
  sh 1>&4
  echo " "
  $myecho
  ;;
 !*)
  set x \`expr "X\$ans" : "X!\(.*\)\$"\`
  shift
  sh 1>&4 -c "\$*"
  echo " "
  $myecho
  ;;
 "\$ans")
  case "\$ans" in
?X:
?X: Answers starting with & are hooks allowing to dynamically turn on/off
?X: some Configure options. That's for the future. -- RAM, 09/01/95
?X: Today, we only recognize '& -d' to mean 'go on as if Configure -d, which
?X: is a hardwired behaviour compatible with
 our general scheme.
?X:
  \\&*)
   set x \`expr "X\$ans" : "X&\(.*\)\$"\`
   shift
   case "\$1" in
   -d)
```

```
    fastread=yes
    echo "(OK, I'll run with -d after this question.)" >&4
    ;;
   -*)
    echo "*** Sorry, \$1 not supported yet." >&4
    ;;
   esac
   $myecho
   ans=!
   ;;
  esac;;
 *)
  case "\$aok" in
  y)
   echo "*** Substitution done -- please confirm."
   xxxm="\$ans"
   ans=\`echo $n "\$ans$c" | tr '$trnl' ' '\`
   xxxm="\$ans"
   ans=!
   ;;
  *)
   echo "*** Error -- try again."
   ans=!
   ;;
  esac
  $myecho
  ;;
 esac
?X: Stick in myread if no default answer and nothing was answered
 case "\$ans\$xxxm\$nostick" in
 ")
  ans=!
  $myecho
  ;;
 esac
 counter=\`echo \$counter | awk '{ print --\$0 }'\`
 if [ \$counter = 0 ]; then
  echo >&4
  echo >&4 Too many attempts asking the same question.  Giving up.
  exit 1
 fi
done
case "\$ans" in
") ans="\$xxxm";;
esac
EOSC
```

Found in path(s):

* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Myread.U
No license file was found, but licenses were detected in source scan.

```
/*
* $Id: setsid.C,v 3.0.1.1 1994/01/24 13:58:47 ram Exp ram $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* $Log: setsid.C,v $
* Revision 3.0.1.1  1994/01/24  13:58:47  ram
* patch16: created
*
*/
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/C/fake/setsid.C
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: usenm.U,v 3.0.1.1 1997/02/28 16:26:40 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: usenm.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:26:40  ram
?RCS: patch61: don't use nm with the GNU C library
?RCS: patch61: added support for Linux shared libs
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:57  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:usenm runnm nm_opt nm_so_opt: cat test Myread Oldconfig myuname grep \
 nm d_gnulibc osname egrep rsrc
?MAKE: -pick add $@ %<
?S:usenm:
```

```
?S: This variable contains 'true' or 'false' depending
 whether the
?S: nm extraction is wanted or not.
?S:.
?S:runnm:
?S: This variable contains 'true' or 'false' depending whether the
?S: nm extraction should be performed or not, according to the value
?S: of usenm and the flags on the Configure command line.
?S:.
?S:nm_opt:
?S: This variable holds the options that may be necessary for nm.
?S:.
?S:nm_so_opt:
?S: This variable holds the options that may be necessary for nm
?S: to work on a shared library but that can not be used on an
?S: archive library.  Currently, this is only used by Linux, where
?S: nm --dynamic is *required* to get symbols from an ELF library which
?S: has been stripped, but nm --dynamic is *fatal* on an archive library.
?S: Maybe Linux should just always set usenm=false.
?S:.
: see if nm is to be used to determine whether a symbol is defined or not
?X: If there is enough inquiries, it might be worth to wait for the nm
?X: extraction. Otherwise, the C compilations might be a better deal.
?X:
?X: Don't bother if we're
 using GNU libc -- skimo
?LINT:extern PASE
case "$usenm" in
")
 dflt="
 case "$d_gnulibc" in
 "$define")
  echo " "
  echo "nm probably won't work on the GNU C Library." >&4
  dflt=n
  ;;
 esac
 case "$dflt" in
 ")
  if $test "$osname" = aix -a "X$PASE" != "Xdefine" -a ! -f /lib/syscalls.exp; then
   echo " "
   echo "Whoops!  This is an AIX system without /lib/syscalls.exp!" >&4
   echo "'nm' won't be sufficient on this system." >&4
   dflt=n
  fi
  ;;
 esac
 case "$dflt" in
```

```
 ") dflt=`$egrep 'inlibc|csym' $rsrc/Configure | wc -l 2>/dev/null`
  if $test $dflt -gt 20; then
   dflt=y
  else
   dflt=n
  fi
  ;;
 esac
 ;;
*)
 case "$usenm" in
 true|$define) dflt=y;;
 *) dflt=n;;
 esac
 ;;
esac
$cat <<EOM

I can use $nm to extract the symbols from your C libraries. This
is a time consuming task which may generate huge output on the disk (up
to 3 megabytes) but that should make the symbols extraction faster. The
alternative is to skip the 'nm' extraction part and to compile a small
test
 program instead to determine whether each symbol is present. If
you have a fast C compiler and/or if your 'nm' output cannot be parsed,
this may be the best solution.

You probably shouldn't let me use 'nm' if you are using the GNU C Library.

EOM
rp="Shall I use $nm to extract C symbols from the libraries?"
. ./myread
case "$ans" in
[Nn]*) usenm=false;;
*) usenm=true;;
esac

?X: Name extraction is to be run if 'nm' usage is wanted and if no -r flag
?X: was provided to configure (in which case we simply re-use the previous
?X: values).
runnm=$usenm
case "$reuseval" in
true) runnm=false;;
esac

: nm options which may be necessary
case "$nm_opt" in
") if $test -f /mach_boot; then
```

```
  nm_opt=" # Mach
 elif $test -d /usr/ccs/lib; then
  nm_opt='-p' # Solaris (and SunOS?)
 elif $test -f /dgux; then
  nm_opt='-p' # DG-UX
 elif $test -f /lib64/rld; then
  nm_opt='-p' # 64-bit Irix
 else
  nm_opt="
 fi;;
esac

: nm options which may be necessary for shared libraries but illegal
: for archive
 libraries.  Thank you, Linux.
case "$nm_so_opt" in
") case "$myuname" in
 *linux*|gnu*)
  if $nm --help | $grep 'dynamic' > /dev/null 2>&1; then
   nm_so_opt='--dynamic'
  fi
  ;;
 esac
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/usenm.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extractall.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:00:43  ram
?RCS: patch61: created
?RCS:
?X:
?X: If extraction has been requested, load the configuration file, perform
?X: the extraction and exit.
```

```
?X:
?X: This unit was originally a part of Options.U. It had to be removed from
?X: it to prevent a dependency cycle: Extract -> src -> Options -> Extract
?X: The Begin.U unit now requires us before beginning to do anything
?X: interesting, to ensure proper semantics. -- RAM, 15/03/96
?X:
?MAKE:Extractall:
 Extract Options
?MAKE: -pick wipe $@ %<
: extract files and exit if asked to do so
case "$extractsh" in
true)
?X: Undo the forced silent=true when -S was supplied, by probing realsilent
?X: which was set iff -s was also given. See Options.U for details.
 case "$realsilent" in
 true) ;;
 *) exec 1>&4;;
 esac
 case "$config_sh" in
 ") config_sh='config.sh';;
 esac
 echo " "
 echo "Fetching answers from $config_sh..."
 cd ..
 . $config_sh
 test "$override" && . ./optdef.sh
 echo " "
?X: extract has to be run from the top directory, not within UU.
 . UU/extract
 rm -rf UU
 echo "Extraction done."
 exit 0
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Extractall.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorprefix.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: vendorprefix.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:usevendorprefix vendorprefix vendorprefixexp +oldvendorprefix: \
 Getfile Loc Oldconfig cat prefix Myread
?MAKE: -pick add $@ %<
?S:usevendorprefix:
?S: This variable tells whether the vendorprefix
?S: and consequently other vendor* paths are in use.
?S:.
?S:vendorprefix:
?S: This variable holds the full absolute path of the directory below
?S: which
 the vendor will install add-on packages.
?S: See INSTALL for usage and examples.
?S:.
?S:vendorprefixexp:
?S: This variable holds the full absolute path of the directory below
?S: which the vendor will install add-on packages.  Derived from vendorprefix.
?S:.
?S:oldvendorprefix:
?S: This variable is set non-null if the vendorprefix was previously defined
?S: and gets set to a new value. Used internally by Configure only.
?S:.
: Set the vendorprefix variables
$cat <<EOM

The installation process will also create a directory for
vendor-supplied add-ons.  Vendors who supply perl with their system
may find it convenient to place all vendor-supplied files in this
directory rather than in the main distribution directory.  This will
ease upgrades between binary-compatible maintenance versions of perl.

Of course you may also use these directories in whatever way you see
fit.  For example, you might use them to access modules shared over a
company-wide network.

The default answer should be
 fine for most people.
This causes further questions about vendor add-ons to be skipped
and no vendor-specific directories will be configured for perl.

EOM
rp='Do you want to configure vendor-specific add-on directories?'
case "$usevendorprefix" in
```

```
define|true|[yY]*) dflt=y ;;
*) : User may have set vendorprefix directly on Configure command line.
 case "$vendorprefix" in
 "|' ') dflt=n ;;
 *) dflt=y ;;
 esac
 ;;
esac
. ./myread
case "$ans" in
[yY]*) fn=d~+
 rp='Installation prefix to use for vendor-supplied add-ons?'
 case "$vendorprefix" in
 ") dflt="$prefix" ;;
 *)  dflt=$vendorprefix ;;
 esac
 . ./getfile
 : XXX Prefixit unit does not yet support siteprefix and vendorprefix
 oldvendorprefix="
 case "$vendorprefix" in
 ") ;;
 *) case "$ans" in
  "$prefix") ;;
  *) oldvendorprefix="$prefix";;
  esac
  ;;
 esac
 usevendorprefix="$define"
 vendorprefix="$ans"
 vendorprefixexp="$ansexp"
 ;;
*) usevendorprefix="$undef"
 vendorprefix="
 vendorprefixexp="
 ;;
esac
```

Found in path(s):
*
/opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorprefix.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Chk_whoami.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Chk_whoami.U,v $
?RCS: Revision 3.0  1993/08/18  12:04:46  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit makes sure we don't try to include whoami.h if uname() exists.
?X:
?MAKE:Chk_whoami: d_uname i_whoami
?MAKE: -pick add $@ %<
?LINT:change i_whoami
: weed out incompatibilities
case "$d_uname" in
 "$define") i_whoami="$undef" ;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Chk_whoami.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: sitebin.U,v $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: sitebin.U,v $
?RCS:
?MAKE:sitebin sitebinexp installsitebin : Getfile Oldconfig \
 Setprefixvar siteprefix
?MAKE: -pick add $@ %<
?Y:TOP
?D:sitebin=''
?S:sitebin:
?S: This variable holds the name of the directory in which the user wants
?S: to put add-on publicly executable files for the package in question.  It
?S: is most often a local directory such as /usr/local/bin. Programs using
?S: this variable must be prepared to deal with ~name substitution.
?S: The standard distribution will put nothing
```

```
 in this directory.
?S: After perl has been installed, users may install their own local
?S: executables in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:sitebinexp="
?S:sitebinexp:
?S: This is the same as the sitebin variable, but is filename expanded at
?S: configuration time, for use in your makefiles.
?S:.
?D:installsitebin="
?S:installsitebin:
?S: This variable is usually the same as sitebinexp, unless you are on
?S: a system running AFS, in which case they may differ slightly. You
?S: should always use this variable within your makefiles for portability.
?S:.
?LINT:change prefixvar
?LINT:set installsitebin
?LINT:set sitebin
?LINT:set sitebinexp
: determine where add-on public executables go
case "$sitebin" in
") dflt=$siteprefix/bin ;;
*) dflt=$sitebin ;;
esac
fn=d~
rp='Pathname where the add-on public executables should be installed?'
. ./getfile
prefixvar=sitebin
. ./setprefixvar
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/sitebin.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: sysman.U,v 3.0.1.2 1994/06/20 07:08:43 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: sysman.U,v $
```

```
?RCS: Revision 3.0.1.2  1994/06/20  07:08:43  ram
?RCS: patch30: now explicitly states that /usr/man/man1 is the default
?RCS: patch30: added /usr/local/man/man1 to the search list
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:13:50  ram
?RCS: patch10: added support for /local/man/man1 (WAD)
?RCS: patch10: added temporary syspath variable to cut down on line length
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:55  ram
?RCS: Baseline for dist 3.0 netwide
 release.
?RCS:
?MAKE:sysman: test Loc Oldconfig
?MAKE: -pick add $@ %<
?S:sysman:
?S: This variable holds the place where the manual is located on this
?S: system. It is not the place where the user wants to put his manual
?S: pages. Rather it is the place where Configure may look to find manual
?S: for unix commands (section 1 of the manual usually). See mansrc.
?S:.
?T:syspath
: determine where manual pages are on this system
echo " "
case "$sysman" in
")
 syspath='/usr/share/man/man1 /usr/man/man1'
 syspath="$syspath /usr/man/mann /usr/man/manl /usr/man/local/man1"
 syspath="$syspath /usr/man/u_man/man1"
 syspath="$syspath /usr/catman/u_man/man1 /usr/man/l_man/man1"
 syspath="$syspath /usr/local/man/u_man/man1 /usr/local/man/l_man/man1"
 syspath="$syspath /usr/man/man.L /local/man/man1 /usr/local/man/man1"
 sysman=`./loc . /usr/man/man1 $syspath`
 ;;
esac
if $test -d "$sysman"; then
 echo "System manual is in $sysman." >&4
else
 echo "Could not find manual pages in source form."
 >&4
fi
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/sysman.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Instruct.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  15:02:55  ram
?RCS: patch61: logname / whoami sequence rewritten to use case
?RCS:
?RCS: Revision 3.0.1.2  1995/02/15  14:11:34  ram
?RCS: patch51: author name now appears at the end of the paragraph (WED)
?RCS:
?RCS: Revision 3.0.1.1  1995/01/11  15:12:05  ram
?RCS: patch45: now documents the & escape to turn -d on at the read prompt
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:04  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X:
 This unit spew out the directions that we want everyone to read.  I try to
?X: keep the first "pagefull" much less than a page since they don't know it
?X: isn't going to go shooting off the top of the screen, and we don't want
?X: to panic them yet.
?X:
?MAKE:Instruct: Begin Myread Configdir contains
?MAKE: -pick wipe $@ %<
?T:user needman firsttime
: general instructions
needman=true
firsttime=true
user=`(logname) 2>/dev/null`
case "$user" in
") user=`whoami 2>&1`;;
esac
if $contains "^$user\$" ../.config/instruct >/dev/null 2>&1; then
 firsttime=false
 echo " "
 rp='Would you like to see the instructions?'
 dflt=n
 . ./myread
 case "$ans" in
 [yY]*) ;;
 *) needman=false;;
 esac
```

```
fi
if $needman; then
 cat <<EOH

This installation shell script will examine your system and ask you questions
to determine how the <PACKAGENAME> package should be installed. If you get
stuck on a question, you may use a ! shell escape to start a subshell or
execute a command.  Many of the questions will have
 default answers in square
brackets; typing carriage return will give you the default.

On some of the questions which ask for file or directory names you are allowed
to use the ~name construct to specify the login directory belonging to "name",
even if you don't have a shell which knows about that.  Questions where this is
allowed will be marked "(~name ok)".

EOH
 rp="
 dflt='Type carriage return to continue'
 . ./myread
 cat <<'EOH'

The prompter used in this script allows you to use shell variables and
backticks in your answers.  You may use $1, $2, etc...  to refer to the words
in the default answer, as if the default line was a set of arguments given to a
script shell.  This means you may also use $* to repeat the whole default line,
so you do not have to re-type everything to add something to the default.

Everytime there is a substitution, you will have to confirm.  If there is an
error (e.g. an unmatched backtick), the default answer will remain unchanged
and you will be prompted
 again.

If you are in a hurry, you may run 'Configure -d'.  This will bypass nearly all
the questions and use the computed defaults (or the previous answers if there
was already a config.sh file). Type 'Configure -h' for a list of options.
You may also start interactively and then answer '& -d' at any prompt to turn
on the non-interactive behaviour for the remainder of the execution.

EOH
 . ./myread
 cat <<EOH

Much effort has been expended to ensure that this shell script will run on any
Unix system.  If despite that it blows up on yours, your best bet is to edit
Configure and run it again.  If you can't run Configure for some reason,
you'll have to generate a config.sh file by hand.  Whatever problems you
have, let me (<MAINTLOC>) know how I blew it.
```

```
This installation script affects things in two ways:

1) it may do direct variable substitutions on some of the files included
  in this kit.
2) it builds a config.h file for inclusion in C programs.  You may edit
  any of these
 files as the need arises after running this script.

If you make a mistake on a question, there is no easy way to back up to it
currently.  The easiest thing to do is to edit config.sh and rerun all the SH
files.  Configure will offer to let you do this before it runs the SH files.

EOH
?X: In case they played with the prompter...
 dflt='Type carriage return to continue'
 . ./myread
 case "$firsttime" in
 true) echo $user >>../.config/instruct;;
 esac
fi

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/dist/U/Instruct.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?X: This unit generates a $hasfield string that is used internally
?X: by Configure to check if this system has a field for a
?X: particular struct (of if this system has a particular struct!)
?X:
?X: To use it, say something like:
?X:  set d_statblocks stat st_blocks i_sysstat sys/stat.h
?X:  eval $hasfield
?X: Or, for more complicated sets of headers, do something like
?X: hdrs="$define sys/foo.h
?X:  $i_sysbar sys/bar.h
?X:  $i_syszot sys/zot.h
?X:  $i_zappa zappa.h"
?X: set d_statblocks stat st_blocks $hdrs
?X: eval $hasfield
```

```
?X:
?MAKE:Hasfield: Setvar rm_try test Compile
?MAKE: -pick add $@ %<
?T:varname struct field
?V:hasfield
: Define hasfield macro for Configure internal use
hasfield='varname=$1;
 struct=$2; field=$3; shift; shift; shift;
while $test $# -ge 2; do
 case "$1" in
 $define) echo "#include <$2>";;
 esac ;
   shift 2;
done > try.c;
echo "int main () { struct $struct foo; char* bar; bar = (char*)foo.$field; }" >> try.c;
set try;
if eval $compile; then
 val="$define";
else
 val="$undef";
fi;
set $varname;
eval $setvar;
$rm_try'
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/protos/Hasfield.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: package.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: package.U,v $
?RCS: Revision 3.0.1.3  1994/10/29  16:27:21  ram
?RCS: patch36: beware of non-ascii character sets when translating case
?RCS:
?RCS: Revision 3.0.1.2  1993/11/10  17:37:02  ram
?RCS: patch14: skip definition of spackage if not otherwise used
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:11:10  ram
```

```
?RCS: patch10: added spackage, suitable for starting sentences
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:28  ram
?RCS: Baseline for dist 3.0
 netwide release.
?RCS:
?MAKE:package spackage: Nothing
?MAKE: -pick wipe $@ %<
?S:package:
?S: This variable contains the name of the package being constructed.
?S: It is primarily intended for the use of later Configure units.
?S:.
?S:spackage:
?S: This variable contains the name of the package being constructed,
?S: with the first letter uppercased, i.e. suitable for starting
?S: sentences.
?S:.
?X: dist-4 has defined PACKAGE: here, which clashes with perly.h
?X:  as package is a reserved keyword in perl
?T:first last
: set package name
package='<PACKAGENAME>'
@if spackage
first=`echo $package | sed -e 's/^\(.\).*/\1/'`
last=`echo $package | sed -e 's/^.\(.*\)/\1/'`
?X:
?X: So early in the Configure script, we don't have ./tr set up and can't
?X: include Tr in our dependency or that would create a cycle. Therefore,
?X: we have to somehow duplicate the work done in Tr. That's life.
?X:
case "`echo AbyZ | tr '[:lower:]' '[:upper:]' 2>/dev/null`"-"`echo AbyZ | tr '[:upper:]' '[:lower:]'
 2>/dev/null`" in
ABYZ-abyz) spackage=`echo $first | tr '[:lower:]' '[:upper:]'`$last;;
*) spackage=`echo $first | tr '[a-z]' '[A-Z]'`$last;;
esac
@end
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/package.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libs.U,v $
?RCS: Revision 3.0.1.6  1997/02/28  16:09:11  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.5  1995/07/25  14:12:05  ram
?RCS: patch56: now knows about OS/2 platforms
?RCS:
?RCS: Revision 3.0.1.4  1994/10/29  16:24:22  ram
?RCS: patch36: removed old broken thislib/thatlib processing (ADO)
?RCS:
?RCS: Revision 3.0.1.3  1994/06/20  07:05:44  ram
?RCS: patch30: code cleanup with if/elif by ADO and RAM
?RCS: patch30: undone patch23 for libswanted default
 setting
?RCS:
?RCS: Revision 3.0.1.2  1994/05/06  15:08:45  ram
?RCS: patch23: now includes ordered default libswanted variable (ADO)
?RCS: patch23: major cleanup for library lookups (ADO)
?RCS:
?RCS: Revision 3.0.1.1  1993/08/25  14:02:31  ram
?RCS: patch6: added default for libs
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:03  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libs libsfound libsfiles libsdirs libspath libscheck: \
 test cat Myread Oldconfig Loc libpth package xlibpth so _a \
 +usesocks sed +cc +ccflags +ldflags rm
?MAKE: -pick add $@ %<
?S:libs:
?S: This variable holds the additional libraries we want to use.
?S: It is up to the Makefile to deal with it.  The list can be empty.
?S:.
?S:libsfound:
?S: This variable holds the full pathnames of the libraries
?S: we found and accepted.
?S:.
?S:libsfiles:
?S: This variable holds the filenames aka basenames of the libraries
?S: we found and accepted.
?S:.
?S:libsdirs:
?S: This variable holds the directory
```

```
 names aka dirnames of the libraries
?S: we found and accepted, duplicates are removed.
?S:.
?S:libspath:
?S: This variable holds the directory names probed for libraries.
?S:.
?S:libscheck:
?S: This variable is intended to be set by hint files, if needed.
?S: It should contain shell code that will be eval'ed with $xxx holding
?S: some library file.  It may change $xxx if needed.
?S: For instance, on an Irix platform, you may make sure the right
?S: library file is used depending on the cc command line, so that the
?S: correct library is used depending on the selected ABI (for 32 and
?S: 64-bit compilations).
?S:
?S: Here is an example of code that could be found in a hint file on Irix
?S: when the selected compiler was for 32-bit -- that code is put in the
?S: cc.cbu call-back unit to be invoked AFTER the C compiler and its
?S: flags have been chosen:
?S:
?S:  libscheck='case "$xxx" in
?S:  *.a) /bin/ar p $xxx `/bin/ar t $xxx | sed q` >$$.o;
?S:   case "`/usr/bin/file $$.o`" in
?S:   *N32*)
 rm -f $$.o ;;
?S:   *) rm -f $$.o; xxx=/no/n32$xxx ;;
?S:   esac ;;
?S:  *) case "`/usr/bin/file $xxx`" in
?S:   *N32*) ;;
?S:   *) xxx=/no/n32$xxx ;;
?S:   esac ;;
?S:  esac'
?S:.
?D:libs="
?LINT:extern libswanted
?LINT:change libswanted
?INIT:: default library list
?INIT:libswanted="
?X: This order is chosen so that libraries  -lndir, -ldir, -lucb, -lbsd,
?X: -lBSD, -lPW, and -lx only get used if there are unresolved
?X: routines at link time.  Usually, these are backwards compatability
?X: libraries, and may not be as reliable as the standard c library.
?X:
?X: The -lsocket -linet -lnsl order has been reported to be necessary
?X: for at least one SVR4 implementation.
?X: -lc must proceed -lucb or -lbsd for most Solaris applications.
?X: -lc_s proceeds -lc so we pick up the shared library version, if
?X: it is available.
```

```
?X:
?X: The ordering of c, posix, and cposix is a guess and almost
?X: certainly wrong on about half of all systems.
?X:
?X: Set proper libswanted in your private
 Myinit.U if needed.
?X:
?X:: default ordered library list
?X:libswanted='net socket inet bind nsl nm sdbm gdbm ndbm dbm malloc dl'
?X:libswanted="$libswanted dld sun m c_s c posix cposix ndir dir ucb"
?X:libswanted="$libswanted bsd BSD PW x"
?X:
?INIT:: should be set by hint files if needed
?INIT:libscheck="
?T:xxx yyy thislib thisdir libstyle linkmsg
?F:lt.c lt
: Looking for optional libraries
echo " "
echo "Checking for optional libraries..." >&4
case "$libs" in
' '|'') dflt='';;
*) dflt="$libs";;
esac
case "$libswanted" in
'') libswanted='c_s';;
esac
?X: libsocks has nasty naming scheme.
?X: This does not work if somebody wants SOCKS 4.
case "$usesocks" in
"$define") libswanted="$libswanted socks5 socks5_sh" ;;
esac
?X: Used later for link checks
echo "extern char printf(); int main() { printf(); return 0; }" > lt.c
libsfound="
libsfiles="
libsdirs="
libspath="
for thisdir in $libpth $xlibpth; do
 test -d $thisdir && libspath="$libspath $thisdir"
done
for thislib in $libswanted;
 do
 for thisdir in $libspath; do
    xxx="
    if $test ! -f "$xxx" ; then
   xxx=`ls $thisdir/lib$thislib.$so.[0-9]* 2>/dev/null | $sed -n '1p'`
   $test -f "$xxx" && eval $libscheck
   $test -f "$xxx" && libstyle=shared
```

```
    fi
    if test ! -f "$xxx"; then
  xxx=$thisdir/lib$thislib.$so
  $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle=shared
    fi
    if test ! -f "$xxx"; then
  xxx=$thisdir/lib$thislib$_a
        $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle=static
    fi
    if test ! -f "$xxx"; then
  xxx=$thisdir/$thislib$_a
        $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle=static
    fi
    if test ! -f "$xxx"; then
  xxx=$thisdir/lib${thislib}_s$_a
        $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle=static
  $test -f "$xxx" && thislib=${thislib}_s
    fi
    if test ! -f "$xxx"; then
  xxx=$thisdir/Slib$thislib$_a
        $test -f "$xxx" && eval $libscheck
  $test
 -f "$xxx" && libstyle=static
    fi
    if $test -f "$xxx"; then
?X:
?X: It is not sufficient to find a .so on the disk.  We must make sure
?X: that we can indeed supply the -lfoo line on the cc line to link against
?X: that library.  On Linux for instance, a versionned .so will not be
?X: implicitly linked against, whereas it will work fine on Solaris 2.6.
?X:  --RAM, 10/10/2003
?X:
  if $cc -o lt $ccflags $ldflags lt.c -l$thislib >/dev/null 2>&1;
  then
   linkmsg=""
  else
   linkmsg=" but I can't link against it"
  fi
  case "$libstyle" in
  shared) echo "Found -l$thislib (shared)$linkmsg." ;;
  static) echo "Found -l$thislib$linkmsg." ;;
  *)      echo "Found -l$thislib ($libstyle)$linkmsg." ;;
  esac
  case " $dflt " in
```

```
  *"-l$thislib "*) ;;
  *)
   case "$linkmsg" in
   ")
    dflt="$dflt -l$thislib"
    libsfound="$libsfound $xxx"
    yyy=`basename $xxx`
    libsfiles="$libsfiles $yyy"
    yyy=`echo $xxx|$sed -e "s%/$yyy\\$%%"`
    case " $libsdirs
 " in
    *" $yyy "*) ;;
    *) libsdirs="$libsdirs $yyy" ;;
    esac
      ;;
   esac
   ;;
  esac
  break
    fi
 done
 if $test ! -f "$xxx"; then
    echo "No -l$thislib."
 fi
done
set X $dflt
shift
dflt="$*"
case "$libs" in
") dflt="$dflt";;
*) dflt="$libs";;
esac
case "$dflt" in
' '|") dflt='none';;
esac
$rm -f lt.c lt

$cat <<EOM

In order to compile $package on your machine, a number of libraries
are usually needed.  Include any other special libraries here as well.
Say "none" for none.  The default list is almost always right.
EOM

echo " "
rp="Which libraries to use?"
. ./myread
case "$ans" in
```

```
none) libs=' ';;
*) libs="$ans";;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libs.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: warnflags.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Orginal Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: warnflags.U,v $
?RCS: Revision 3.0  1993/08/18  12:10:02  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:warnflags: cat cc contains Myread Guess Oldconfig Findhdr
?MAKE: -pick add $@ %<
?S:warnflags:
?S: This variable contains any additional C compiler flags to generate
?S: warnings from the compiler. It is up to the Makefile to use this.
?S:.
: offer additional
 warning flags for compilation
$cat <<EOH

You may wish to compile with extra compiler warnings enabled.
Note that doing so enhances your chance of receiving your free set of steak
knives, particularly if you find any bugs and report them.
If you don't want extra warnings, answer "none".

EOH
case "$warnflags" in
") case "$cc" in
 *gcc*)
  dflt="-Wall -Wno-comment"
  if $contains 'fprintf' `./findhdr stdio.h` >/dev/null 2>&1; then
   :
  else
```

```
   dflt="$dflt -Wno-implicit"
  fi
  ;;
 *) dflt="none";;
 esac
 ;;
' ') dflt="none";;
*) dflt="$warnflags";;
esac

rp="Any $cc flags to enable warnings?"
. ./myread
case "$ans" in
none) warnflags=' ';;
*) warnflags="$ans";;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/warnflags.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Csym.U,v $
?RCS: Revision 3.0.1.4  1995/07/25  13:36:29  ram
?RCS: patch56: re-arranged compile line to include ldflags before objects
?RCS: patch56: added quotes for OS/2 support
?RCS:
?RCS: Revision 3.0.1.3  1995/05/12  12:00:33  ram
?RCS: patch54: fixed C test program to bypass gcc builtin type checks (ADO)
?RCS:
?RCS: Revision 3.0.1.2  1994/10/31  09:34:13  ram
?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U
?RCS:
?RCS: Revision 3.0.1.1  1993/08/25  14:00:05  ram
?RCS:
 patch6: added ldflags as a conditional dependency and to compile line
?RCS: patch6: a final double quote was missing in csym variable after eval
?RCS:
```

```
?RCS: Revision 3.0  1993/08/18  12:04:50  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:Csym: Options contains libc libs runnm +cc +ccflags +ldflags rm
?MAKE: -pick add $@ %<
?LINT:define csym
?LINT:use libc
?S:csym:
?S: This shell variable is used internally by Configure to check
?S: wether a given C symbol is defined or not. A typical use is:
?S:  set symbol result [-fva] [previous]
?S:  eval $csym
?S: That will set result to 'true' if the function [-f], variable [-v]
?S: or array [-a] is defined, 'false' otherwise. If a previous value is
?S: given and the -r flag was provided on the command line, that value
?S: is reused without questioning.
?S:.
?V:csym
?T:tval tx tlook tf tdc tc
: is a C symbol defined?
csym='tlook=$1;
case "$3" in
-v) tf=libc.tmp; tc=""; tdc="";;
-a) tf=libc.tmp; tc="[0]"; tdc="[]";;
*) tlook="^$1\$";
 tf=libc.list; tc=""; tdc="()";;
esac;
tx=yes;
case "$reuseval-$4" in
true-) ;;
true-*) tx=no; eval "tval=\$$4"; case "$tval" in "") tx=yes;; esac;;
esac;
case "$tx" in
yes)
 case "$runnm" in
 true)
  if $contains $tlook $tf >/dev/null 2>&1;
  then tval=true;
  else tval=false;
  fi;;
 *)
?X:
?X: We use 'char' instead of 'int' to try to circumvent overzealous
?X: optimizing compilers using built-in prototypes for commonly used
?X: routines to complain when seeing a different external declaration. For
?X: instance, gcc 2.6.3 fails if we use 'int' and we attempt a test against
?X: memcpy() on machines where sizeof(int) == sizeof(char *) (the usual return
?X: type), the compiler assuming it's a built-in declaration given that the
```

```
?X: returned size matches. At least with 'char' we are safe! -- RAM, for ADO
?X:
?X: Let's thank GNU cc for making our lifes so easy! :-)
?X: (An alternative for the future would be to use our knowledge about gcc
?X: to force a -fno-builtin option in the
 compile test, in case the 'char'
?X: trick is obsoleted by future gcc releases). -- RAM
?X:
?X: Lastly, gcc 3.4 otimizes &missing == 0 away, so we use + 2 instead now.
?X: The GNU folks like to do weird things, don't they? -- RAM, 2004-06-05
?X:
  echo "extern char $1$tdc; int main() { return &$1$tc + 2; }" > t.c;
  if $cc $ccflags $ldflags -o t t.c $libs >/dev/null 2>&1;
  then tval=true;
  else tval=false;
  fi;
  $rm -f t t.c;;
 esac;;
*)
 case "$tval" in
 $define) tval=true;;
 *) tval=false;;
 esac;;
esac;
eval "$2=$tval"'
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Csym.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Warn_v7EXT.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Warn_v7EXT.U,v $
?RCS: Revision 3.0.1.1  1994/10/29  16:01:42  ram
?RCS: patch36: call ./v7 explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:17  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
```

```
?X:
?X: This unit issues warnings to V7 sites that they are living dangerously.
?X: This unit needs to get mentioned in End.U to get included.
?X:
?MAKE:Warn_v7EXT: package Guess
?MAKE: -pick add $@ %<
: Warnings
if ./v7;
 then
 cat <<EOM

NOTE: the V7 compiler may ignore some #undefs that $package uses.  If so,
you may get messages about redefining EXT.  Some V7 compilers also have
difficulties with #defines near buffer boundaries, so beware.  You may have
to play with the spacing in some .h files, believe it or not.
EOM
fi
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Warn_v7EXT.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Copyright (c) 2000, Jarkko Hietaniemi
?RCS:
?X:
?X: This unit allows the duplication of the source tree to the current
?X: directory via symbolic links.  This must be requested explicitly
?X: by them issuing a -Dmksymlinks on the command line.
?X:
?MAKE:Mksymlinks: Mkdirp lns issymlink src rsrc pkgsrc
?MAKE: -pick add $@ %<
?F:!UU
?T: dir filename tmppwd filelist
?LINT:extern mksymlinks
@if {test -f ../MANIFEST}
: Duplicate the tree with symbolic links if -Dmksymlinks was supplied
case "$mksymlinks"
```

```
 in
$define|true|[yY]*)
 echo " "
 case "$src" in
 "|'.') echo "Cannot create symlinks in the original directory." >&4
  exit 1
  ;;
 *) case "$lns:$issymlink" in
  *"ln"*" -s:"*"test -"?)
   echo "Creating the symbolic links..." >&4
   echo "(First creating the subdirectories...)" >&4
   cd ..
   awk '{print $1}' $src/MANIFEST | grep / | sed 's:/[^/]*$::' | \
    sort -u | while true
   do
    read dir
    test -z "$dir" && break
    ./UU/mkdirp $dir 2>/dev/null
    if test -d $dir; then
     : ok
    else
     echo "Failed to create '$dir'.  Aborting." >&4
     exit 1
    fi
   done
   echo "(Now creating the symlinks...)" >&4
   awk '{print $1}' $src/MANIFEST | while true; do
    read filename
    test -z "$filename" && break
    if test -f $filename; then
     if $issymlink $filename; then
      rm -f $filename
     fi
    fi
    if test -f $filename; then
     echo "$filename already exists, not symlinking."
    else
?X: Note that the following works because "$pkgsrc" is absolute
     ln
 -s $pkgsrc/$filename $filename
    fi
   done
?X: Check that everything was correctly copied
   echo "(Checking current directory...)" >&4
   cd UU
   awk '$1 !~ /PACK[A-Z]+/ {print $1}' "$rsrc/MANIFEST" | \
    (split -l 50 2>/dev/null || split -50)
   rm -f missing
```

```
  tmppwd=`pwd`
  for filelist in x??; do
   (cd ..; ls `cat "$tmppwd/$filelist"` \
    >/dev/null 2>>"$tmppwd/missing")
  done
  if test -s missing; then
   echo "Failed duplication of source tree.  Aborting." >&4
   exit 1
  fi
  ;;
 *) echo "(I cannot figure out how to do symbolic links, ignoring!)" >&4
  ;;
 esac
 ;;
esac
;;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Mksymlinks.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Configdir.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Configdir.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  14:58:36  ram
?RCS: patch61: have README explicitly mention the package name
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:49  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:Configdir: package
?MAKE: -pick add $@ %<
: create .config dir to save info across Configure sessions
test -d ../.config || mkdir ../.config
cat >../.config/README <<EOF
This directory created by Configure to save
```

```
 information that should
persist across sessions for $package.

You may safely delete it if you wish.
EOF
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Configdir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: usenm.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:26:40  ram
?RCS: patch61: don't use nm with the GNU C library
?RCS: patch61: added support for Linux shared libs
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:57  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:usenm runnm nm_opt nm_so_opt: cat test Myread Oldconfig grep \
 d_gnulibc nm egrep rsrc osname Guess
?MAKE: -pick add $@ %<
?S:usenm:
?S: This variable contains 'true' or 'false' depending whether the
?S: nm extraction is wanted
 or not.
?S:.
?S:runnm:
?S: This variable contains 'true' or 'false' depending whether the
?S: nm extraction should be performed or not, according to the value
?S: of usenm and the flags on the Configure command line.
?S:.
?S:nm_opt:
?S: This variable holds the options that may be necessary for nm.
?S:.
?S:nm_so_opt:
?S: This variable holds the options that may be necessary for nm
?S: to work on a shared library but that can not be used on an
```

```
?S: archive library.  Currently, this is only used by Linux, where
?S: nm --dynamic is *required* to get symbols from an ELF library which
?S: has been stripped, but nm --dynamic is *fatal* on an archive library.
?S: Maybe Linux should just always set usenm=false.
?S:.
: see if nm is to be used to determine whether a symbol is defined or not
?X: If there is enough inquiries, it might be worth to wait for the nm
?X: extraction. Otherwise, the C compilations might be a better deal.
?X:
?X: Don't bother if we're using GNU libc -- skimo
case "$usenm"
 in
")
 dflt="
 case "$d_gnulibc" in
 "$define")
  echo " "
  echo "$nm probably won't work on the GNU C Library." >&4
  dflt=n
  ;;
 esac
 case "$dflt" in
 ")
  if $test "$osname" = aix -a ! -f /lib/syscalls.exp; then
   echo " "
   echo "Whoops!  This is an AIX system without /lib/syscalls.exp!" >&4
   echo "'nm' won't be sufficient on this system." >&4
   dflt=n
  fi
  ;;
 esac
 case "$dflt" in
 ")
  if ./gnu; then
   echo " "
   echo "Hmm...  A GNU system without a GNU C Library?  Weird..." >&4
   dflt=n
  else
   dflt=`$egrep 'inlibc|csym' $rsrc/Configure | wc -l 2>/dev/null`
   if $test $dflt -gt 20; then
    dflt=y
   else
    dflt=n
   fi
  fi
  ;;
 esac
 ;;
```

```
*)
 case "$usenm" in
 true|$define) dflt=y;;
 *) dflt=n;;
 esac
 ;;
esac
$cat <<EOM

I can use $nm to extract the symbols from your C libraries. This
is a time consuming task which may generate huge output on the disk (up
to 3 megabytes) but that should make the symbols extraction faster. The
alternative is to skip the
 'nm' extraction part and to compile a small
test program instead to determine whether each symbol is present. If
you have a fast C compiler and/or if your 'nm' output cannot be parsed,
this may be the best solution.

EOM
rp='Shall I use nm to extract C symbols from the libraries?'
. ./myread
case "$ans" in
[Nn]*) usenm=false;;
*) usenm=true;;
esac

?X: Name extraction is to be run if 'nm' usage is wanted and if no -r flag
?X: was provided to configure (in which case we simply re-use the previous
?X: values).
runnm=$usenm
case "$reuseval" in
true) runnm=false;;
esac

: nm options which may be necessary
case "$nm_opt" in
") if $test -f /mach_boot; then
  nm_opt="  # Mach
 elif $test -d /usr/ccs/lib; then
  nm_opt='-p'  # Solaris (and SunOS?)
 elif $test -f /dgux; then
  nm_opt='-p'  # DG-UX
 elif $test -f /lib64/rld; then
  nm_opt='-p'  # 64-bit Irix
 else
  nm_opt="
 fi;;
esac
```

```
?X: nm options which may be necessary for shared libraries but illegal
?X: for archive libraries.  Thank you,
 Linux.
case "$nm_so_opt" in
") case "$osname" in
 *linux*)
  if $nm --help | $grep 'dynamic' > /dev/null 2>&1; then
   nm_so_opt='--dynamic'
  fi
  ;;
 esac
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/usenm.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: make.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: make.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:09:40  ram
?RCS: patch61: created
?RCS:
?MAKE:make_set_make : Loc rm sed make
?MAKE: -pick add $@ %<
?S:make_set_make:
?S: Some versions of 'make' set the variable MAKE.  Others do not.
?S: This variable contains the string to be included in Makefile.SH
?S: so that MAKE is set if needed, and not if not needed.
?S: Possible values are:
?S:
?S: make_set_make='#'  #
 If your make program handles this for you,
?S:
?S: make_set_make="MAKE=$make" # if it doesn't.
?S:
```

```
?S: This uses a comment character so that we can distinguish a
?S: 'set' value (from a previous config.sh or Configure -D option)
?S: from an uncomputed value.
?S:.
?LINT: extern MAKE
?LINT: change MAKE
?X: This test is based on one from an autoconf-generated configure
?X: script. Autoconf stole a lot from Configure, but now it's our
?X: turn to do so... ;-) -- RAM, 21/02/97
: check whether make sets MAKE
echo " "
echo "Checking if your $make program sets \$(MAKE)..." >&4
case "$make_set_make" in
")
?X: Use sed so we don't have a line begining with @echo.  Metaconfig
?X: will think that's a command like @if or @end.
 $sed 's/^X //' > testmake.mak << 'EOF'
Xall:
X  @echo 'maketemp="$(MAKE)"'
EOF
?X: GNU make sometimes prints "make[1]: Entering...", which would confuse us
 case "`$make -f testmake.mak 2>/dev/null`" in
 *maketemp=*) make_set_make='#' ;;
 *) make_set_make="MAKE=$make" ;;
 esac
 $rm
 -f testmake.mak
 ;;
esac
case "$make_set_make" in
'#') echo "Yup, it does.";;
*) echo "Nope, it doesn't.";;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/make.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_passwd.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_passwd.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  15:37:21  ram
?RCS: patch61: useless unit dropped.
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:09:51  ram
?RCS: patch32: created by ADO
?RCS:
?X:
?X: Useless unit dropped.
?X:
?LINT:empty
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_passwd.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: cf_who.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  15:28:50  ram
?RCS: patch61: new computation method avoiding use of temporary file
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  14:42:34  ram
?RCS: patch23: login name now computed the hard way
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:32  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: Oldconfig dependency is there to ensure computation occurs after old values
?X: from config.sh have been loaded, so that we can supersede them.
?X:
?MAKE:cf_time
 cf_by: date Oldconfig
?MAKE: -pick add $@ %<
?S:cf_time:
```

```
?S: Holds the output of the "date" command when the configuration file was
?S: produced. This is used to tag both config.sh and config_h.SH.
?S:.
?S:cf_by:
?S: Login name of the person who ran the Configure script and answered the
?S: questions. This is used to tag both config.sh and config_h.SH.
?S:.
?LINT:change LC_ALL LANGUAGE
: who configured the system
?X: Ensure English date -- Jarkko Hietaniemi
cf_time=`LC_ALL=C; LANGUAGE=C; export LC_ALL; export LANGUAGE; $date 2>&1`
?X:
?X: Leave a white space between first two '(' for ksh. The sub-shell is needed
?X: on some machines to avoid the error message when logname is not found; e.g.
?X: on SUN-OS 3.2, (logname || whoami) would not execute whoami if logname was
?X: not found. Sigh!
?X:
?X: Convex had a broken logname executable which returned a non-zero status,
?X: and that broke the previous:
?X:   cf_by=`( (logname) 2>/dev/null || whoami) 2>&1`
?X: Switch to emergency
 mode... -- RAM, 19/04/94
?X:
?X: Parentheses needed to avoid error message if the program does not exist.
?X: Uses case instead of $test so it can be put before $test is defined.
?X: Don't redirect to a file because on Ultrix (under script?) logname
?X: outputs a blank line first.  This method will apparently work.
case "$cf_by" in
"")
 cf_by=`(logname) 2>/dev/null`
 case "$cf_by" in
 "")
  cf_by=`(whoami) 2>/dev/null`
  case "$cf_by" in
  "") cf_by=unknown ;;
  esac ;;
 esac ;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/cf_who.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: startsh.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: startsh.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:25:31  ram
?RCS: patch61: avoid needless chatter since this is now done very early
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:51  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:startsh: sh sharpbang eunicefix
?MAKE: -pick add $@ %<
?S:startsh:
?S: This variable contains the string to put on the front of a shell
?S: script to make sure (hopefully) that it runs with sh and not some
?S: other
 shell.
?S:.
?F:!sharp
: figure out how to guarantee sh startup
?X: Avoid needless chatter since this is now done very early.
?X: echo " "
?X: echo "Checking out how to guarantee sh startup..." >&2
case "$startsh" in
") startsh=${sharpbang}${sh} ;;
*)
?X: echo "Let's see if '$startsh' works..." ;;
esac
cat >sharp <<EOSS
$startsh
set abc
test "$?abc" != 1
EOSS

chmod +x sharp
$eunicefix sharp
if ./sharp; then
 : echo "Yup, it does."
else
 echo "Hmm... '$startsh' does not guarantee sh startup..."
 echo "You may have to fix up the shell scripts to make sure $sh runs them."
fi
rm -f sharp

Found in path(s):
```

* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/startsh.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: MailList.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: MailList.U,v $
?RCS: Revision 3.0.1.1  1994/01/24  14:01:49  ram
?RCS: patch16: created
?RCS:
?RCS:
?X:
?X: This unit offers the user the option of subscribing to the mailing
?X: list. To force inclusion of this unit, you must add it's name to the
?X: dependancies on the MAKE line in your private copy of End.U.
?X: The address of the mailing list server must be set via a "list_request=..."
?X:
 entry in the .package file. This is usually done by running packinit and
?X: answering the proper questions.
?X:
?MAKE:MailList: cat mailer package Myread cf_name cf_email
?MAKE: -pick wipe $@ %<
?T:list_request list_sub list_unsub list_name
?X:
?X: The cf_name dependency is used through list_sub when the mailing list
?X: manager happens to be listserv, whereas cf_email is used whith majordomo
?X: or when the mailing list request address is scanned by a human. Since
?X: they do not appear within the unit itself, we need a lint hint.
?X:
?LINT:use cf_name cf_email
: offer to join the mailing list
list_request='<$list_request>'
list_sub="<$list_sub>"
list_unsub="<$list_unsub>"
list_name="<$list_name>"
$cat <<EOM

There is a mailing list for discussion about $package and related issues.
```

```
This is the preferred place to ask questions about the program and discuss
modifications and additions with the author and other users.  If you are able
to send mail to the Internet, you
 are encouraged to subscribe.  You need only
ever subscribe once, and you can unsubscribe automatically at any time in the
future.  If you have already subscribed and you wish to unsubscribe now, you
may do so by answering "unsubscribe".  Answer "subscribe" to subscribe to the
list.

EOM
rp="Subscribe to or unsubscribe from the $list_name mailing list?"
dflt=neither
. ./myread
case "$ans" in
[sS]*) $cat <<EOM

You will be sent a message from the list server to let you know when your
subscription has been successful and telling you how to submit articles and
how to unsubscribe again when necessary. You may also unsubscribe by running
this script again and asking it to do so for you.

EOM
 echo "Sending mail to subscribe you to the $list_name list..." >&4
 $mailer $list_request <<EOM >/dev/null 2>&1
Precedence: junk
To: $list_request

$list_sub
EOM
 ;;
[uU]*) echo "Sending mail to unsubscribe you from the $list_name list..." >&4
 $mailer $list_request <<EOM >/dev/null 2>&1
Precedence: junk
To:
 $list_request

$list_unsub
EOM
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/MailList.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libpth.U,v $
?RCS: Revision 3.0.1.6  1997/02/28  16:08:49  ram
?RCS: patch61: new loclibpth variable
?RCS:
?RCS: Revision 3.0.1.5  1995/01/11  15:31:30  ram
?RCS: patch45: call ./mips instead of just mips (WED)
?RCS:
?RCS: Revision 3.0.1.4  1994/08/29  16:29:15  ram
?RCS: patch32: added /lib/pa1.1 for HP-UX specially tuned PA-RISC libs (ADO)
?RCS: patch32: fixed information message, making it clearer (ADO)
?RCS:
?RCS: Revision 3.0.1.3  1994/06/20  07:03:54  ram
?RCS: patch30: added /usr/shlib to
 glibpth for shared-only libraries
?RCS:
?RCS: Revision 3.0.1.2  1994/05/13  15:26:57  ram
?RCS: patch27: fixed a typo (libpth -> glibpth)
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  15:07:53  ram
?RCS: patch23: now asks for library directories to be searched (ADO)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:02  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit initializes the path for C library lookup.
?X:
?MAKE:libpth glibpth xlibpth plibpth loclibpth: \
 usrinc incpath test cat Myread Oldconfig
?MAKE: -pick add $@ %<
?S:libpth:
?S: This variable holds the general path (space-separated) used to find
?S: libraries. It is intended to be used by other units.
?S:.
?S:glibpth:
?S: This variable holds the general path (space-separated) used to
?S: find libraries.  It may contain directories that do not exist on
?S: this platform, libpth is the cleaned-up version.
?S:.
?S:xlibpth:
```

```
?S: This variable holds extra path (space-separated) used to find
?S: libraries on this platform,
 for example CPU-specific libraries
?S: (on multi-CPU platforms) may be listed here.
?S:.
?S:loclibpth:
?S: This variable holds the paths (space-separated) used to find local
?S: libraries.  It is prepended to libpth, and is intended to be easily
?S: set from the command line.
?S:.
?S:plibpth:
?S: Holds the private path used by Configure to find out the libraries.
?S: Its value is prepend to libpth. This variable takes care of special
?S: machines, like the mips.  Usually, it should be empty.
?S:.
?T: xxx dlist
?LINT:use usrinc
?INIT:: change the next line if compiling for Xenix/286 on Xenix/386
?INIT:xlibpth='/usr/lib/386 /lib/386'
?INIT:: Possible local library directories to search.
?INIT:loclibpth="/usr/local/lib /opt/local/lib /usr/gnu/lib"
?INIT:loclibpth="$loclibpth /opt/gnu/lib /usr/GNU/lib /opt/GNU/lib"
?INIT:
?INIT:: general looking path for locating libraries
?INIT:glibpth="/lib /usr/lib $xlibpth"
?INIT:glibpth="$glibpth /usr/ccs/lib /usr/ucblib /usr/local/lib"
?X: /shlib
 is for Digital Unix 4.0
?X: /usr/shlib is for OSF/1 systems.
?INIT:test -f /usr/shlib/libc.so && glibpth="/usr/shlib $glibpth"
?INIT:test -f /shlib/libc.so     && glibpth="/shlib $glibpth"
?INIT:
?INIT:: Private path used by Configure to find libraries.  Its value
?INIT:: is prepended to libpth. This variable takes care of special
?INIT:: machines, like the mips.  Usually, it should be empty.
?INIT:plibpth=''
?INIT:
: Set private lib path
case "$plibpth" in
'') if ./mips; then
?X: on mips, we DO NOT want /lib, and we want $incpath/usr/lib
  plibpth="$incpath/usr/lib /usr/local/lib /usr/ccs/lib"
 fi;;
esac
case "$libpth" in
' ') dlist='';;
'') dlist="$loclibpth $plibpth $glibpth";;
*) dlist="$libpth";;
```

```
esac

: Now check and see which directories actually exist, avoiding duplicates
libpth="
for xxx in $dlist
do
   if $test -d $xxx; then
  case " $libpth " in
  *" $xxx "*) ;;
  *) libpth="$libpth $xxx";;
  esac
   fi
done
$cat <<'EOM'

Some systems have incompatible or broken versions
 of libraries.  Among
the directories listed in the question below, please remove any you
know not to be holding relevant libraries, and add any that are needed.
Say "none" for none.

EOM
case "$libpth" in
") dflt='none';;
*)
?X: strip leading space
 set X $libpth
 shift
 dflt=${1+"$@"}
 ;;
esac
rp="Directories to use for library searches?"
. ./myread
case "$ans" in
none) libpth=' ';;
*) libpth="$ans";;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libpth.U
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Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Cppsym.U

* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_memchr.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/errnolist.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/voidflags.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_open3.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_shm.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_ldbl_dig.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/nullified/fpu.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_sysmman.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_shm.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_vfork.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/i_pthread.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_safebcpy.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorlib.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_snprintf.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Tr.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_closedir.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/cpp_stuff.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/protos/d_drand48proto.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Oldconfig.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_ustat.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_wcscmp.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_ndbm.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/U/a_dvisory/intsize.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_safebcpy.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_mbrlen.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/doublesize.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_sbrkproto.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_wctype.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_voidsig.U
*
/opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_isascii.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_eofpipe.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/bitpbyte.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_sigprocmask.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/i_malloc.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/usrinc.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_gethname.U
*
/opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/instubperl.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_volatile.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/abortsig.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_vfork.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/lseektype.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_grp.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/fpostype.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_scannl.U
*
/opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_strctcpy.U

* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/sig_name.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/orderlib.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_dir_dd_fd.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/libpth.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_time.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/uidsign.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/gidsize.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_strerror.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/protos/d_gethostprotos.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/ssizetype.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_getpagsz.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/mallocsrc.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/bin.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_dosuid.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/charsize.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/intsize.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_inttypes.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_csh.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/ccflags.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Signal.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_stdstdio.U
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* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_getpagsz.U
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* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_castneg.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/uidsize.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/byteorder.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/selecttype.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_pwd.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_wifstat.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_getsent.U
*
/opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/d_times.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_int64_t.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/sitearch.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/models.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/prefix.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/lseektype.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_db.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/gidsign.U
*
/opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/nblock_io.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/sh.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_sgndchr.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_telldirproto.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_malloc.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_gethent.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/U/perl/selectminbits.U
*
/opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_isblank.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/sunscanf.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_NOFILE.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/i_grp.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_getpgrp.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/sizesize.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/cppstdin.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: kernel.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: kernel.U,v $
?RCS: Revision 3.0  1993/08/18  12:08:54  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:kernel: Getfile test
?MAKE: -pick add $@ %<
?S:kernel:
?S: This variable becomes the (fully rooted) path name of the kernel.
?S:.
: find the name of the kernel.
echo " "
case "$kernel" in
")
 if $test -r /unix; then
  dflt=/unix
 elif $test -r /vmunix; then
  dflt=/vmunix
 elif $test -r /xenix; then
  dflt=/xenix
 elif $test -r /mach; then
```

```
 dflt=/mach
elif
$test -r /dgux; then
 dflt=/dgux
elif $test -r /hp-ux; then
 dflt=/hp-ux
elif $test -r /syst; then
 dflt=/syst
elif $test -r /arix; then
 dflt=/arix
elif $test -r /irix; then
 dflt=/arix
else
 dflt='unknown'
 set X /*x
 shift
 case $# in
 1)
  if $test -r "$1"; then
   dflt="$1"
  fi
  ;;
 esac
fi
;;
*)
dflt="$kernel"
;;
esac
fn=f
rp='What is the name of your kernel?'
. ./getfile
kernel="$ans"
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/kernel.U
No license file was found, but licenses were detected in source scan.

```
/* This file was produced by running the config_h.SH script, which
* gets its values from $CONFIG_SH, which is generally produced by
* running Configure.
*
* Feel free to modify any of this as the need arises.  Note, however,
* that running config_h.SH again will wipe out any changes you've made.
* For a more permanent change edit $CONFIG_SH and rerun config_h.SH.
*/
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Config_h.U
No license file was found, but licenses were detected in source scan.

```
# $Id: makedepend.sh,v 3.0.1.1 1994/01/24 14:00:05 ram Exp ram $
#
#  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
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#  as specified in the README file that comes with the distribution.
#  You may reuse parts of this distribution only within the terms of
#  that same Artistic Licence; a copy of which may be found at the root
#  of the source tree for dist 4.0.
#
# Original Author: Larry Wall <lwall@netlabs.com>
#
# $Log: makedepend.sh,v $
# Revision 3.0.1.1  1994/01/24  14:00:05  ram
# patch16: changed top ln-style config.sh lookup into test-style one
#
# Revision 3.0  1993/08/18  12:04:37  ram
# Baseline for dist 3.0 netwide release.
#
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/makedepend.SH
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Typedef.U,v 3.0.1.3 1995/07/25 13:42:07 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Typedef.U,v $
?RCS: Revision 3.0.1.3  1995/07/25  13:42:07  ram
?RCS: patch56: added backslash escapes within evals to prevent space problems
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  16:01:16  ram
?RCS: patch36: don't clobber visible 'val' variable, use 'varval' instead
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:05:14  ram
```

```
?RCS: patch32: created
?RCS:
?X:
?X: This unit checks for the definition of a given typedef.
?X:
?X: To use it, say:
?X: set typedef
 val_t default [includes]
?X: eval $typedef
?X:
?MAKE:Typedef: cppstdin cppminus cppflags rm sed contains Oldconfig Myread
?MAKE: -pick add $@ %<
?LINT:define typedef
?LINT:define typedef_ask
?V:typedef typedef_ask
?S:typedef:
?S: This shell variable is used internally by Configure to check
?S: whether a given typedef is defined or not. A typical use is:
?S:  set typedef val_t default [includes]
?S:  eval $typedef
?S: That will return val_t set to default if the typedef was not found,
?S: to typedef otherwise. If no includes are specified, look in sys/types.h.
?S:.
?S:typedef_ask:
?S: This shell variable is used internally by Configure to check
?S: whether a given typedef is defined or not.  If it is not defined,
?S: this will call the ./myread script to prompt for an answer.
?S: It is intended to be used to avoid unnecessary prompts.
?S: A typical use is
?S:  rp="What is the type for file position used by fsetpos()?"
?S:  set fpos_t fpostype long stdio.h sys/types.h
?S:  eval $typedef_ask
?S: This
 will set fpostype=fpos_t, if fpos_t is available.  Otherwise
?S: it will call myread with a default of 'long', and a prompt of $rp.
?S:.
?T:type var def inclist varval inc
?F:!temp.c
: define an is-a-typedef? function
typedef='type=$1; var=$2; def=$3; shift; shift; shift; inclist=$@;
case "$inclist" in
"") inclist="sys/types.h";;
esac;
eval "varval=\$$var";
case "$varval" in
"")
 $rm -f temp.c;
 for inc in $inclist; do
```

```
  echo "#include <$inc>" >>temp.c;
 done;
?X: Maybe it's a #define instead of a typedef.
 echo "#ifdef $type" >> temp.c;
 echo "printf(\"We have $type\");" >> temp.c;
 echo "#endif" >> temp.c;
 $cppstdin $cppflags $cppminus < temp.c >temp.E 2>/dev/null;
 if $contains $type temp.E >/dev/null 2>&1; then
  eval "$var=\$type";
 else
  eval "$var=\$def";
 fi;
 $rm -f temp.?;;
*) eval "$var=\$varval";;
esac'

?X: Originally, I eval'd $typedef and then checked the results against
?X: $type.  Unfortunately, it then became complicated to check
?X: whether you are re-using
 an old config.sh value, and the logic got
?X: so convoluted it became easier to just copy the function above
?X: and alter it slightly.  A.D.  3/1998
: define an is-a-typedef? function that prompts if the type is not available.
typedef_ask='type=$1; var=$2; def=$3; shift; shift; shift; inclist=$@;
case "$inclist" in
"") inclist="sys/types.h";;
esac;
eval "varval=\$$var";
case "$varval" in
"")
 $rm -f temp.c;
 for inc in $inclist; do
  echo "#include <$inc>" >>temp.c;
 done;
?X: Maybe it's a #define instead of a typedef.
 echo "#ifdef $type" >> temp.c;
 echo "printf(\"We have $type\");" >> temp.c;
 echo "#endif" >> temp.c;
 $cppstdin $cppflags $cppminus < temp.c >temp.E 2>/dev/null;
 echo " " ;
 echo "$rp" | $sed -e "s/What is/Looking for/" -e "s/?/./";
 if $contains $type temp.E >/dev/null 2>&1; then
  echo "$type found." >&4;
  eval "$var=\$type";
 else
  echo "$type NOT found." >&4;
  dflt="$def";
  . ./myread ;
```

```
  eval "$var=\$ans";
 fi;
 $rm -f temp.?;;
*) eval "$var=\$varval";;
esac'
```

Found
 in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/Typedef.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Setvar.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Setvar.U,v $
?RCS: Revision 3.0.1.1  1994/10/29  15:58:28  ram
?RCS: patch36: call ./whoa explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:16  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a variable that is intended to be eval'ed in
?X: order to define/undefine a symbol. A consistency check is made
?X: regarding any previous value and a warning is issued if there
?X: is any discrepancy.
?X:
?X:
 To use it, say:
?X: val=<value>
?X: set d_variable
?X: eval $setvar
?X:
?MAKE:Setvar: Whoa
?MAKE: -pick add $@ %<
?LINT:define setvar
?S:setvar:
?S: This shell variable is used internally by Configure to set a value
?S: to a given symbol that is defined or not. A typical use is:
?S: val=<value computed>
```

```
?S:  set d_variable
?S:  eval $setvar
?S: That will print a message in case the $val value is not the same
?S: as the previous value of $d_variable.
?S:.
?V:setvar:val
?T:var was td tu
: function used to set '$1' to '$val'
setvar='var=$1; eval "was=\$$1"; td=$define; tu=$undef;
case "$val$was" in
$define$undef) . ./whoa; eval "$var=\$td";;
$undef$define) . ./whoa; eval "$var=\$tu";;
*) eval "$var=$val";;
esac'
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Setvar.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: patchlevel.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:18:41  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:31  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:patchlevel: package baserev test rsrc
?MAKE: -pick add $@ %<
?T:Revision
?S:patchlevel:
?S: The patchlevel level of this package.
?S: The value of patchlevel comes from the patchlevel.h file.
?S:.
: get the patchlevel
echo " "
echo "Getting the current patchlevel..." >&4
if $test -r
```

```
 $rsrc/patchlevel.h;then
 patchlevel=`awk \
  '/^#[  ]*define[  ][  ]*PATCHLEVEL/ {print $3}' \
  < $rsrc/patchlevel.h`
else
 patchlevel=0
fi
echo "(You have $package $baserev PL$patchlevel.)"
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/patchlevel.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: so.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
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?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: so.U,v $
?RCS: Revision 3.0.1.2  1994/10/29  16:30:04  ram
?RCS: patch36: now tells user how he can suppress shared lib lookup (ADO)
?RCS: patch36: removed echo at the top, since it's now in the here-doc (ADO)
?RCS:
?RCS: Revision 3.0.1.1  1994/06/20  07:07:02  ram
?RCS: patch30: created
?RCS:
?X:
?X: This unit computes the shared-object / shared-lib extension
?X:
?MAKE:so d_libname_unique: test libpth Loc Myread Oldconfig cat Setvar
?MAKE: -pick add $@ %<
?S:so:
?S: This
 variable holds the extension used to identify shared libraries
?S: (also known as shared objects) on the system. Usually set to 'so'.
?S:.
?S:d_libname_unique:
?S: This variable is defined if the target system insists on unique
?S: basenames for shared library files. This is currently true on Android,
?S: false everywhere else we know of.
?S: Defaults to 'undef'.
?S:.
```

```
?LINT:set d_libname_unique
?T: xxx
: compute shared library extension
case "$so" in
")
 if xxx=`./loc libc.sl X $libpth`; $test -f "$xxx"; then
  dflt='sl'
 else
  dflt='so'
 fi
 ;;
*) dflt="$so";;
esac
$cat <<EOM

On some systems, shared libraries may be available.  Answer 'none' if
you want to suppress searching of shared libraries for the remainder
of this configuration.

EOM
rp='What is the file extension used for shared libraries?'
. ./myread
so="$ans"

: Does target system insist that shared library basenames are unique
$cat << EOM

Some dynamic loaders assume that the *basename* of shared library
 filenames
are globally unique.  We'll default this to undef as we assume your system
is not this weird. Set to defined if you're on one of them.

EOM

dflt='n'
rp='Make shared library basenames unique?'
. ./myread
case "$ans" in
y|Y) val="$define" ;;
*)   val="$undef"  ;;
esac
set d_libname_unique
eval $setvar
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/so.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libflex.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libflex.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  15:57:48  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.2  1994/05/06  15:07:02  ram
?RCS: patch23: now uses full library path instead of -l notation
?RCS:
?RCS: Revision 3.0.1.1  1994/01/24  14:13:25  ram
?RCS: patch16: un-obsoleted this unit to allow smooth lex/flex compilations
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:59  ram
?RCS: Baseline for dist 3.0 netwide
 release.
?RCS:
?MAKE:libflex: Loc lex libpth _a
?MAKE: -pick add $@ %<
?S:libflex:
?S: This variable contains the argument to pass to the loader in order
?S: to get the flex/lex library routines.  If there is no flex or flex
?S: library, it is null.
?S:.
?T:xxx
: see if we should include -lfl
echo " "
case "$lex" in
*flex)
 xxx=`./loc libfl$_a x $libpth`
 case "$xxx" in
 x)
  echo "No flex library found." >&4
  libflex=''
  ;;
 *)
  echo "flex library found in $xxx." >&4
  libflex="$xxx"
  ;;
```

```
 esac
 ;;
*lex)
 xxx=`./loc libl$_a x $libpth`
 case "$xxx" in
 x)
  echo "No lex library found." >&4
  libflex=''
  ;;
 *)
  echo "lex library found in $xxx." >&4
  libflex="$xxx"
  ;;
 esac
 ;;
*)
echo "You don't seem to have lex or flex, so I won't look for libraries." >&4
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libflex.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Unix.U,v 3.0.1.1 1997/02/28 15:20:06 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Unix.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:20:06  ram
?RCS: patch61: created
?RCS:
?X:
?X: The purpose of this unit is to define things that are common across all
?X: known UNIX platforms. If Configure is ported/used on a non-UNIX
?X: environment, then some of the following variables can be redefined in hint
?X: files.
?X:
?MAKE:Unix _exe _a _o exe_ext lib_ext obj_ext path_sep \
 firstmakefile archobjs rm_try: Oldconfig rm
?MAKE: -pick add $@ %<
```

```
?S:_exe:
?S: This
 variable defines the extension used for executable files.
?S: DJGPP, Cygwin and OS/2 use '.exe'.  Stratus VOS uses '.pm'.
?S: On operating systems which do not require a specific extension
?S: for executable files, this variable is empty.
?S:.
?S:_a:
?S: This variable defines the extension used for ordinary library files.
?S: For unix, it is '.a'.  The '.' is included.  Other possible
?S: values include '.lib'.
?S:.
?S:_o:
?S: This variable defines the extension used for object files.
?S: For unix, it is '.o'.  The '.' is included.  Other possible
?S: values include '.obj'.
?S:.
?S:firstmakefile:
?S: This variable defines the first file searched by make.  On unix,
?S: it is makefile (then Makefile).  On case-insensitive systems,
?S: it might be something else.  This is only used to deal with
?S: convoluted make depend tricks.
?S:.
?S:archobjs:
?S: This variable defines any additional objects that must be linked
?S: in with the program on this architecture.  On unix, it is usually
?S: empty.
  It is typically used to include emulations of unix calls
?S: or other facilities.  For perl on OS/2, for example, this would
?S: include os2/os2.obj.
?S:.
?X: Metaconfig's Obsolete symbol stuff is too over-eager.  In the
?X: perl sources, it picks up things like "P" and "FLOCK" that are
?X: not used in the way Metaconfig thinks they are.  Thus I can't
?X: just declare these obsolete and then run metaconfig -o.
?X: Instead, I'll just handle them here.
?X: Sadly, history has conspired to give us a web of definitions;
?X: this could have been much simpler.
?S:lib_ext:
?S: This is an old synonym for _a.
?S:.
?S:exe_ext:
?S: This is an old synonym for _exe.
?S:.
?S:obj_ext:
?S: This is an old synonym for _o.
?S:.
?S:path_sep:
```

```
?S: This is an old synonym for p_ in Head.U, the character
?S: used to separate elements in the command shell search PATH.
?S:.
?S:rm_try:
?S: This is a cleanup variable for try test programs.
?S: Internal Configure use only.
?S:.
?LINT: change p_
?INIT::
 Trailing extension.  Override this in a hint file, if needed.
?INIT:: Extra object files, if any, needed on this platform.
?INIT:archobjs="
: Define several unixisms.
: Hints files or command line option can be used to override them.
: The convoluted testing is in case hints files set either the old
: or the new name.
case "$_exe" in
") case "$exe_ext" in
 ") ;;
 *) _exe="$exe_ext" ;;
 esac
 ;;
esac
case "$_a" in
") case "$lib_ext" in
   ") _a='.a';;
 *) _a="$lib_ext" ;;
 esac
 ;;
esac
case "$_o" in
") case "$obj_ext" in
 ") _o='.o';;
 *) _o="$obj_ext";;
 esac
 ;;
esac
case "$p_" in
") case "$path_sep" in
 ") p_=':';;
 *) p_="$path_sep";;
 esac
 ;;
esac
exe_ext=$_exe
lib_ext=$_a
obj_ext=$_o
path_sep=$p_
```

```
rm_try="$rm -f try try$_exe a.out .out try.[cho] try.$_o core core.try* try.core*"

@if firstmakefile
: Which makefile gets called first.  This is used by make depend.
case "$firstmakefile" in
") firstmakefile='makefile';;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Unix.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libyacc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libyacc.U,v $
?RCS: Revision 3.0.1.4  1997/02/28  16:09:19  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.3  1994/05/13  15:27:12  ram
?RCS: patch27: added byacc case (ADO)
?RCS:
?RCS: Revision 3.0.1.2  1994/05/06  15:09:01  ram
?RCS: patch23: now uses full library path instead of -l notation
?RCS:
?RCS: Revision 3.0.1.1  1994/01/24  14:13:49  ram
?RCS: patch16: un-obsoleted this unit for smooth yacc compilations
?RCS:
?RCS:
 Revision 3.0  1993/08/18  12:09:04  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libyacc: Loc yacc libpth _a
?MAKE: -pick add $@ %<
?S:libyacc:
?S: This variable contains the argument to pass to the loader in order
?S: to get the yacc library routines.  If there is no yacc or yacc
```

```
?S: library, it is null.
?S:.
?T:xxx
: see if we should include -ly
echo " "
case "$yacc" in
*byacc*)
 echo "You are using byacc, so I won't look for a yacc library." >&4
 libyacc=''
 ;;
*yacc)
 xxx=`./loc liby$_a x $libpth`
 case "$xxx" in
 x)
  echo "No yacc library found." >&4
  libyacc=''
  ;;
 *)
  echo "yacc library found in $xxx." >&4
  libyacc="$xxx"
  ;;
 esac
 ;;
*bison*)
 echo "You are using bison, so I won't look for a yacc library." >&4
 libyacc=''
 ;;
*)
echo "You don't seem to have yacc, so I won't look for the yacc library." >&4
 libyacc=''
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libyacc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Nothing.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
```

```
?RCS: $Log: Nothing.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:09  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: The purpose of this file is to supply an empty target for the private
?X: Makefile built by metaconfig to order the units.
?X:
?MAKE:Nothing: Head
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Nothing.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:sitehtml1dir sitehtml1direxp installsitehtml1dir: Getfile \
 Setprefixvar prefix siteprefix html1dir sed
?MAKE: -pick add $@ %<
?Y:TOP
?D:sitehtml1dir=''
?S:sitehtml1dir:
?S: This variable contains the name of the directory in which site-specific
?S: html source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S: The standard distribution will put nothing in this directory.
?S: After perl
 has been installed, users may install their own local
?S: html pages in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:sitehtml1direxp=''
?S:sitehtml1direxp:
?S: This variable is the same as the sitehtml1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installsitehtml1dir=''
```

```
?S:installsitehtml1dir:
?S: This variable is really the same as sitehtml1direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: html1direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installsitehtml1dir
?LINT:set sitehtml1dir
?LINT:set sitehtml1direxp
: determine where add-on html pages go
: There is no standard location, so try to copy the previously-selected
: directory structure for the core html pages.
case "$sitehtml1dir" in
")
   dflt=`echo "$html1dir" | $sed "s#^$prefix#$siteprefix#"` ;;
*)     dflt=$sitehtml1dir ;;
esac
case "$dflt" in
"|' ') dflt=none ;;
esac
fn=dn+~
rp='Pathname where the site-specific html pages should be installed?'
. ./getfile
prefixvar=sitehtml1dir
. ./setprefixvar
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/sitehtml1dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libnlist.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libnlist.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:08:02  ram
?RCS: patch61: added usrinc and mips on the dependency line
?RCS: patch61: make sure we call ./mips
?RCS: patch61: added a ?LINT: hint
?RCS:
```

```
?RCS: Revision 3.0  1993/08/18  12:09:00  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libnlist: Loc libpth Guess usrinc _a
?MAKE: -pick add $@ %<
?S:libnlist (libmld):
?S: This variable contains the name of the library required to
 get the
?S: definition of the nlist() function.  On a MIPS RISC/OS box, it is -lmld.
?S: Under Sys Vr4, it is -lelf.  Otherwise, its value is empty.
?S:.
?T:xxx
?LINT:use usrinc
: see if we need a special library for 'nlist()'
echo " "
: How about doing this if nlist is not in libc...
if ./mips ; then
 libnlist='-lmld'
else
 xxx=`./loc libelf$_a x $libpth`
 case "$xxx" in
 x)  ;;
 *)
  libnlist="$xxx"
  ;;
 esac
fi
case "$libnlist" in
") echo "No special library for nlist() seems necessary." >&4
 ;;
*)  echo "nlist() can be found in $libnlist." >&4
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libnlist.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: install.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
?RCS: $Log: install.U,v $
?RCS: Revision 3.0.1.2  1995/09/25  09:16:37  ram
?RCS: patch59: all possible install programs are now looked for
?RCS:
?RCS: Revision 3.0.1.1  1995/01/11  15:30:41  ram
?RCS: patch45: created
?RCS:
?MAKE:install installdir: Loc Oldconfig Getfile cat test startsh rm +cc \
 eunicefix package contains mkdir echo n c
?MAKE: -pick add $@ %<
?S:install:
?S: This variable contains the name of an install program that can accept
?S: BSD-style arguments.
 It must correctly support -c, -s, and -m at least.
?S: It is a fully qualified pathname when found. If you have a local
?S: install.SH file at the root directory of your package, it is assumed to
?S: be the default script emulating a BSD install and the variable will be
?S: set to ./install. Otherwise, it is set to plain 'install', relying on
?S: the user's PATH to perform miracles.
?S:.
?S:installdir:
?S: This variable contains the name of a program that can install nested
?S: directories. Often set to 'mkdir -p', it can also be 'install -d' if
?S: you have such a beast and lack the former. If you have an install.SH
?S: file at the root directory of your package, it will be used in last
?S: resort, setting the variable to './install -d'. Otherwise, it is set to
?S: plain 'mkdir', and cross your fingers!
?S:.
?T:dir file tryit prog creatdir either
?F:!tryinst
: locate a BSD compatible install program
echo " "
echo "Looking for a BSD-compatible install program..." >&4
@if installdir
creatdir=''
@end
case
 "$install" in
'')
 tryit=''
 for dir in $pth; do
  for file in ginstall installbsd scoinst install; do
   if $test -f $dir/$file; then
    tryit="$tryit $dir/$file"
   fi
  done
 done
```

```
 $cat >try.c <<EOC
int main()
{
 printf("OK\n");
 exit(0);
}
EOC
 if $cc -o try try.c >/dev/null 2>&1; then
  cp try try.ns
  strip try >/dev/null 2>&1
 else
  echo "(I can't seem to compile a trivial C program -- bypassing.)"
  echo "try" >try
  cp try try.ns
 fi
 $cat >tryinst <<EOS
$startsh
$rm -rf foo d
@if installdir
\$1 -d foo/bar
@end
$mkdir d
\$1 -c -m 764 try.ns d
\$1 -c -s -m 642 try.ns d/try
EOS
 chmod +x tryinst
 $eunicefix tryinst
 dflt=''
 either=''
 for prog in $tryit; do
  $echo $n "Checking $prog... $c"
  ./tryinst $prog >/dev/null 2>&1
@if installdir
  if $test -d foo/bar; then
   creatdir="$prog -d"
  fi
@end
  (ls -l d/try >try.ls; ls -l d/try.ns >tryno.ls) 2>/dev/null
  if (cmp -s d/try try && cmp -s d/try.ns try.ns && \
   $contains 'rwxrw-r--' tryno.ls &&
 \
   $contains 'rw-r---w-' try.ls) >/dev/null 2>&1
  then
   dflt="$prog"
   echo "ok, that will do."
   break
  fi
  echo "not good$either."
```

```
  either=' either'
  $rm -f try*.ls
 done
 $rm -rf foo d tryinst try try*.ls try.*
 case "$dflt" in
 ")
@if {test -f ../install.SH}
  echo "Hopefully, $package comes with its own install script!"
  dflt='./install'
@else
  dflt='install'
@end
  ;;
 esac
 ;;
*) dflt="$install";;
esac
$cat <<EOM

I will be requiring a BSD-compatible install program (one that allows
options like -s to strip executables or -m to specify a file mode) to
install $package.

If the question below contains a fully qualified default path, then it
is probably ok. If it is an unqualified name such as 'install', then it
means I was unable to find out a good install program I could use. If
@if {test -f ../install.SH}
you know of one, please tell me about it. If the default is './install',
then I shall be using the install script supplied with $package.
@else
you know of one,
 please tell me about it.
@end

EOM
@if {test -f ../install.SH}
fn='/fe~(install,./install)'
@else
fn='/fe~(install)'
@end
rp='Which install program shall I use?'
. ./getfile
install="$ans"

@if installdir
: how can we create nested directories?
echo " "
echo "Ok, let's see how we can create nested directories..." >&4
```

```
case "$installdir" in
")
?X: First time, maybe we already found out a working one in $creatdir above...
?X: Prefer "mkdir -p" because of bugs in GNU install when not running as root
 $mkdir -p foo/bar >/dev/null 2>&1
 if $test -d foo/bar; then
  echo "Great, we can build them using 'mkdir -p'."
  creatdir='mkdir -p'
 else
  case "$creatdir" in
  ")
   if eval "$install -d foo/bar"; $test -d foo/bar; then
    creatdir="install -d"
    echo "It looks like '$creatdir' will do it for us."
   fi
   ;;
  *)
   eval "$creatdir foo/bar" >/dev/null 2>&1
   if $test -d foo/bar; then
    echo "Ah! We can use '$creatdir' to do just that."
   else
    creatdir="
   fi
   ;;
  esac
 fi
 $rm
 -rf foo
 case "$creatdir" in
 ")
  echo "Heck! Another ancient system lacking the comfort of modern ones!"
@if {test -f ../install.SH}
  echo "You can thank $package for bringing you its own install script!"
  installdir='./install -d'
@else
  echo "We have no choice but to use plain old 'mkdir' -- wish me luck!"
  installdir=mkdir
@end
  ;;
 *) installdir="$creatdir";;
 esac
 ;;
*) echo "As you already told me, '$installdir' should work.";;
esac

@end
```

Found in path(s):

* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/install.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorhtml3dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999, Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: vendorhtml3dir.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:vendorhtml3dir vendorhtml3direxp installvendorhtml3dir: html3dir Getfile \
 Oldconfig Setprefixvar Prefixit test vendorprefix prefix sed
?MAKE: -pick add $@ %<
?Y:TOP
?S:vendorhtml3dir:
?S: This variable contains the name of the directory for html
?S: library pages.  It may have a ~ on the front.
?S: The standard distribution will put nothing
 in this directory.
?S: Vendors who distribute perl may wish to place their own
?S: html pages for modules and extensions in this directory with
?S:  MakeMaker Makefile.PL INSTALLDIRS=vendor
?S: or equivalent.  See INSTALL for details.
?S:.
?S:vendorhtml3direxp:
?S: This variable is the ~name expanded version of vendorhtml3dir, so that you
?S: may use it directly in Makefiles or shell scripts.
?S:.
?D:installvendorhtml3dir="
?S:installvendorhtml3dir:
?S: This variable is really the same as vendorhtml3direxp but may differ on
?S: those systems using AFS. For extra portability, only this variable
?S: should be used in makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installvendorhtml3dir
: Set the vendorhtml3dir variables
case "$vendorprefix" in
") vendorhtml3dir="
 vendorhtml3direxp="
```

```
 ;;
*) : determine where vendor-supplied module html pages go.
 : There is no standard location, so try to copy the previously-selected
 : directory structure for the core html pages.
 : XXX Better default
 suggestions would be welcome.
 case "$vendorhtml3dir" in
 ") dflt=`echo "$html3dir" | $sed "s#^$prefix#$vendorprefix#"` ;;
 *) dflt=$vendorhtml3dir ;;
 esac
 case "$dflt" in
 "|' ') dflt=none ;;
 esac
 fn=dn+~
 rp='Pathname for the vendor-supplied html pages?'
 . ./getfile
 vendorhtml3dir="$ans"
 vendorhtml3direxp="$ansexp"
 ;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorhtml3dir" = "X" && vendorhtml3dir=' '
prefixvar=vendorhtml3dir
. ./installprefix
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorhtml3dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:siteman1dir siteman1direxp installsiteman1dir: Getfile \
 Setprefixvar prefix siteprefix man1dir sed
?MAKE: -pick add $@ %<
?Y:TOP
?D:siteman1dir="
?S:siteman1dir:
?S: This variable contains the name of the directory in which site-specific
?S: manual source pages are to be put.  It is the responsibility of the
```

```
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S: The standard distribution will put nothing in this directory.
?S: After perl
 has been installed, users may install their own local
?S: man1 pages in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:siteman1direxp="
?S:siteman1direxp:
?S: This variable is the same as the siteman1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installsiteman1dir="
?S:installsiteman1dir:
?S: This variable is really the same as siteman1direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man1direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installsiteman1dir
?LINT:set siteman1dir
?LINT:set siteman1direxp
: determine where add-on manual pages go
case "$siteman1dir" in
") dflt=`echo $man1dir | $sed "s#^$prefix#$siteprefix#"` ;;
*) dflt=$siteman1dir ;;
esac
case "$dflt" in
"|' ') dflt=none ;;
esac
fn=dn+~
rp='Pathname
 where the site-specific manual pages should be installed?'
. ./getfile
prefixvar=siteman1dir
. ./setprefixvar
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/siteman1dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
```

```
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:siteman3dir siteman3direxp installsiteman3dir: Getfile \
 Setprefixvar prefix siteprefix man3dir sed
?MAKE: -pick add $@ %<
?Y:TOP
?D:siteman3dir=''
?S:siteman3dir:
?S: This variable contains the name of the directory in which site-specific
?S: library man source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S: The standard distribution will put nothing in this directory.
?S: After
 perl has been installed, users may install their own local
?S: man3 pages in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:siteman3direxp=''
?S:siteman3direxp:
?S: This variable is the same as the siteman3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installsiteman3dir=''
?S:installsiteman3dir:
?S: This variable is really the same as siteman3direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man3direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installsiteman3dir
?LINT:set siteman3dir
?LINT:set siteman3direxp
: determine where add-on library man pages go
case "$siteman3dir" in
'') dflt=`echo $man3dir | $sed "s#^$prefix#$siteprefix#"` ;;
*) dflt=$siteman3dir ;;
esac
case "$dflt" in
'|' ') dflt=none ;;
esac
```

```
fn=dn+~
rp='Pathname
 where the site-specific library manual pages should be installed?'
. ./getfile
prefixvar=siteman3dir
. ./setprefixvar
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/siteman3dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorman3dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999-2000, Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: vendorman3dir.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:vendorman3dir vendorman3direxp installvendorman3dir: man3dir Getfile \
 Oldconfig Setprefixvar Prefixit test vendorprefix prefix sed
?MAKE: -pick add $@ %<
?Y:TOP
?S:vendorman3dir:
?S: This variable contains the name of the directory for man3
?S: pages.  It may have a ~ on the front.
?S: The standard distribution will put nothing in this directory.
?S: Vendors
 who distribute perl may wish to place their own
?S: man3 pages in this directory with
?S:  MakeMaker Makefile.PL INSTALLDIRS=vendor
?S: or equivalent.  See INSTALL for details.
?S:.
?S:vendorman3direxp:
?S: This variable is the ~name expanded version of vendorman3dir, so that you
?S: may use it directly in Makefiles or shell scripts.
?S:.
?D:installvendorman3dir=''
?S:installvendorman3dir:
?S: This variable is really the same as vendorman3direxp but may differ on
?S: those systems using AFS. For extra portability, only this variable
```

```
?S: should be used in makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installvendorman3dir
: Set the vendorman3dir variables
case "$vendorprefix" in
") vendorman3dir="
 vendorman3direxp="
 ;;
*) : determine where vendor-supplied module manual pages go.
 case "$vendorman3dir" in
 ") dflt=`echo "$man3dir" | $sed "s#^$prefix#$vendorprefix#"` ;;
 *) dflt=$vendorman3dir ;;
 esac
 case "$dflt" in
 "|' ') dflt=none ;;
 esac
 fn=nd~+
 rp='Pathname
 for the vendor-supplied manual section 3 pages?'
 . ./getfile
 vendorman3dir="$ans"
 vendorman3direxp="$ansexp"
 ;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorman3dir" = "X" && vendorman3dir=' '
prefixvar=vendorman3dir
. ./installprefix
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorman3dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: rcs_branch.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: rcs_branch.U,v $
?RCS: Revision 3.0  1993/08/18  12:09:40  ram
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
?MAKE:rcs_branch: Myread contains Loc
?MAKE: -pick add $@ %<
?S:rcs_branch:
?S: This variable will hold "true" if rcs can take the -b<revision>
?S: option, which can make Life Easier on those folks who like to run
?S: rcsdiff manually.
?S:.
?T:xxx
: Tra la la la la
echo " "
echo "Checking to see if RCS understands the -b switch..." >&4
xxx=`./loc
 rcs " $pth`
case "$xxx" in
")
 rcs_branch=false
 echo "Oh.  You don't seem to have RCS here."
 ;;
*)
 rcs > rcsbranch.out 2>&1
 if $contains 'b\[rev\]' rcsbranch.out  >/dev/null 2>&1 ; then
  rcs_branch=true
  echo "Nice!  Your RCS is spiffy!"
 else
  rcs_branch=false
 echo "Well, at least you have RCS.  You know, a newer version is available."
 fi
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/rcs_branch.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1998, Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?X:
?X: Useless unit dropped.  Use randfunc instead.
?X:
```

```
?LINT:empty

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/randbits.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: Inlibc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Inlibc.U,v $
?RCS: Revision 3.0.1.1  1994/10/29  15:55:08  ram
?RCS: patch36: call ./whoa explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:03  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit checks for the definition of a given function.
?X:
?X: To use it, say:
?X: set function d_func
?X: eval $inlibc
?X:
?MAKE:Inlibc: Csym Whoa Oldconfig
?MAKE: -pick add $@ %<
?LINT:define inlibc
?V:inlibc
?S:inlibc:
?S: This
 shell variable is used internally by Configure to check
?S: wether a given function is defined or not. A typical use is:
?S:  set function d_func
?S:  eval $inlibc
?S: That will print a message, saying wether function was found or
?S: not and set d_func accordingly.
?S:.
?T:was tx sym tres td tu var
: define an is-in-libc? function
inlibc='echo " "; td=$define; tu=$undef;
sym=$1; var=$2; eval "was=\$$2";
```

```
tx=yes;
case "$reuseval$was" in
true) ;;
true*) tx=no;;
esac;
case "$tx" in
yes)
 set $sym tres -f;
 eval $csym;
 case "$tres" in
 true)
  echo "$sym() found." >&4;
  case "$was" in $undef) . ./whoa; esac; eval "$var=\$td";;
 *)
  echo "$sym() NOT found." >&4;
  case "$was" in $define) . ./whoa; esac; eval "$var=\$tu";;
 esac;;
*)
 case "$was" in
 $define) echo "$sym() found." >&4;;
 *) echo "$sym() NOT found." >&4;;
 esac;;
esac'
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Inlibc.U
No license file was found, but licenses were detected in source scan.

```
/* $Id: Jmake.rules 18 2006-12-27 10:35:09Z rmanfredi $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* $Log: Jmake.rules,v $
* Revision 3.0.1.7  2004/08/22 08:28:58  ram
* patch71: random cleanup
*
* Revision 3.0.1.6  1997/02/28  14:56:01  ram
* patch61: now handles USRINC for dependencies
* patch61: smarter about dependencies computation
*
* Revision 3.0.1.5  1995/09/25  09:07:19  ram
```

```
* patch59: smarter sed command to strip /usr/include dependencies
*
* Revision 3.0.1.4  1995/07/25  13:33:59  ram
* patch56: install of script man pages can now cope with missing files
* patch56: the clobber
 target now removes the .config directory as well
*
* Revision 3.0.1.3  1995/03/21  08:35:28  ram
* patch52: suppressed extra argument to NormalProgramTarget call
*
* Revision 3.0.1.2  1995/01/11  14:49:55  ram
* patch45: new macros ShellScriptTargetExt and SimpleShellScriptTargetExt
* patch45: directory installation is now made via INSTALLDIR (Configure)
*
* Revision 3.0.1.1  1994/10/29  15:46:30  ram
* patch36: added RemoteDependency rule
*
* Revision 3.0  1993/08/18  12:04:14  ram
* Baseline for dist 3.0 netwide release.
*
*/
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/files/Jmake.rules
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: man1dir.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:10:29  ram
?RCS: patch61: created
?RCS:
?X:
?X: This was originally specific to perl5.  Since perl5 has man pages that
?X: go in both man1/ and man3/ directories, we need both man1dir
?X: and man3dir.  This unit is basically dist's mansrc.U with
?X: man1 used instead of man everywhere.
?X:
```

```
?MAKE:man1dir man1direxp man1ext installman1dir: afs cat nroff Loc Oldconfig \
 spackage test Getfile Prefixit prefixexp
 Prefixup sysman Myread
?MAKE: -pick add $@ %<
?Y:TOP
?S:man1dir:
?S: This variable contains the name of the directory in which manual
?S: source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?S:man1direxp:
?S: This variable is the same as the man1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?S:installman1dir:
?S: This variable is really the same as man1direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man1direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:man1ext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '1'.  The Makefile must supply the '.'.
?S: See man1dir.
?S:.
?T:lookpath
: determine
 where manual pages go
set man1dir man1dir none
eval $prefixit
$cat <<EOM

$spackage has manual pages available in source form.
EOM
case "$nroff" in
nroff)
 echo "However, you don't have nroff, so they're probably useless to you."
 case "$man1dir" in
 ") man1dir="none";;
 esac;;
esac
echo "If you don't want the manual sources installed, answer 'none'."
case "$man1dir" in
' ') dflt=none
 ;;
")
 lookpath="$prefixexp/man/man1 $prefixexp/man/l_man/man1"
```

```
 lookpath="$lookpath $prefixexp/man/p_man/man1"
 lookpath="$lookpath $prefixexp/man/u_man/man1"
 lookpath="$lookpath $prefixexp/man/man.1"
?X: Experience has shown people expect man1dir to be under prefix,
?X: so we now always put it there.  Users who want other behavior
?X: can answer interactively or use a command line option.
?X: Does user have System V-style man paths.
 case "$sysman" in
 */?_man*) dflt=`./loc . $prefixexp/l_man/man1 $lookpath` ;;
 *) dflt=`./loc . $prefixexp/man/man1 $lookpath` ;;
 esac
 set dflt
 eval $prefixup
 ;;
*)
  dflt="$man1dir"
 ;;
esac
echo " "
fn=dn+~
rp="Where do the main $spackage manual pages (source) go?"
. ./getfile
if $test "X$man1direxp" != "X$ansexp"; then
 installman1dir=''
fi
man1dir="$ans"
man1direxp="$ansexp"
case "$man1dir" in
'') man1dir=' '
 installman1dir='';;
esac
if $afs; then
 $cat <<EOM

Since you are running AFS, I need to distinguish the directory in which
manual pages reside from the directory in which they are installed (and from
which they are presumably copied to the former directory by occult means).

EOM
 case "$installman1dir" in
 '') dflt=`echo $man1direxp | sed 's#^/afs/#/afs/.#'`;;
 *) dflt="$installman1dir";;
 esac
 fn=de~
 rp='Where will man pages be installed?'
 . ./getfile
 installman1dir="$ans"
else
```

```
 installman1dir="$man1direxp"
fi

: What suffix to use on installed man pages

case "$man1dir" in
' ')
 man1ext='0'
 ;;
*)
 rp="What suffix should be used for the main $spackage man pages?"
 case "$man1ext" in
 ") case "$man1dir" in
  *1)  dflt=1 ;;
  *1p)
 dflt=1p ;;
  *1pm) dflt=1pm ;;
  *l) dflt=l;;
  *n) dflt=n;;
  *o) dflt=o;;
  *p) dflt=p;;
  *C) dflt=C;;
  *L) dflt=L;;
  *L1) dflt=L1;;
  *) dflt=1;;
  esac
  ;;
 *) dflt="$man1ext";;
 esac
 . ./myread
 man1ext="$ans"
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/man1dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: n.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
?RCS: $Log: n.U,v $
?RCS: Revision 3.0  1993/08/18  12:09:19  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:n c: contains
?MAKE: -pick add $@ %<
?S:n:
?S: This variable contains the -n flag if that is what causes the echo
?S: command to suppress newline.  Otherwise it is null.  Correct usage is
?S:     $echo $n "prompt for a question: $c".
?S:.
?S:c:
?S: This variable contains the \c string if that is what causes the echo
?S: command to suppress newline.
  Otherwise it is null.  Correct usage is
?S:     $echo $n "prompt for a question: $c".
?S:.
: first determine how to suppress newline on echo command
echo " "
echo "Checking echo to see how to suppress newlines..."
(echo "hi there\c" ; echo " ") >.echotmp
if $contains c .echotmp >/dev/null 2>&1 ; then
 echo "...using -n."
 n='-n'
 c=''
else
 cat <<'EOM'
...using \c
EOM
 n=''
 c='\c'
fi
echo $n "The star should be here-->$c"
echo '*'
rm -f .echotmp
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/n.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libdbm.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libdbm.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:56:57  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:58  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libdbm: test Loc libpth _a
?MAKE: -pick add $@ %<
?S:libdbm:
?S: This variable contains the argument to pass to the loader in order
?S: to get the dbm library routines.  If there is no dbm or ndbm
?S: library, it is null.
?S:.
?T:xxx
:
 see if we should include -ldbm
echo " "
if $test -r /usr/lib/libndbm$_a || $test -r /usr/local/lib/libndbm$_a ; then
 echo "-lndbm found." >&4
 libdbm='-lndbm'
elif $test -r /usr/lib/libdbm$_a || $test -r /usr/local/lib/libdbm$_a ; then
 echo "-ldbm found." >&4
 libdbm='-ldbm'
else
 xxx=`./loc libdbm$_a x $libpth`
 case "$xxx" in
 x)
  echo "No dbm library found." >&4
  libdbm=''
  ;;
 *)
  echo "DBM library found in $xxx." >&4
  libdbm="$xxx"
  ;;
 esac
fi
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libdbm.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: maildir.U 1 2006-08-24 12:32:52Z rmanfredi $

```
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: maildir.U,v $
?RCS: Revision 3.0.1.1  1993/12/15  08:21:56  ram
?RCS: patch15: now also looks under /var/mail for BSD/386
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:09  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:maildir maildirexp: Getfile Loc Oldconfig
?MAKE: -pick add $@ %<
?S:maildir:
?S: This variable contains the name of the directory in which mail is
?S: spooled. Programs using this variable must be prepared to deal with
?S: ~name
 substitutions.
?S:.
?S:maildirexp:
?S: This is the same as the maildir variable, but is filename expanded
?S: at configuration time, for programs not willing to deal with it at
?S: run-time.
?S:.
: determine where mail is spooled
case "$maildir" in
") dflt=`./loc . /usr/spool/mail /usr/spool/mail /usr/mail /var/mail`;;
*) dflt="$maildir";;
esac
echo " "
fn=d~
rp='Where is yet-to-be-read mail spooled?'
. ./getfile
maildir="$ans"
maildirexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/maildir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Inhdr.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Inhdr.U,v $
?RCS: Revision 3.0.1.2  1995/05/12  12:01:31  ram
?RCS: patch54: deleted tabs that caused some /bin/sh to core dump (ADO)
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  15:55:01  ram
?RCS: patch36: call ./whoa explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:01  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit checks wether a set of header files exists or not.
?X: If the first header is not
 found, the function tries to locate
?X: the next header, and so on, until one is found or there is no
?X: more header in the list.
?X:
?X: To use it, say:
?X: set header i_header [ header2 i_header2 ... ]
?X: eval $inhdr
?X:
?MAKE:Inhdr: test Findhdr Whoa
?MAKE: -pick add $@ %<
?LINT:define inhdr
?V:inhdr
?S:inhdr:
?S: This shell variable is used internally by Configure to check
?S: wether a set of headers exist or not. A typical use is:
?S:  set header i_header [ header2 i_header2 ... ]
?S:  eval $inhdr
?S: That will print a message, saying wether header was found or not
?S: and set i_header* accordingly. If the first header is not found,
?S: we try the next one, until the list is empty or one is found.
?S:.
?T:xxx xxf var td xxnf tu yyy instead was cont
: define an alternate in-header-list? function
inhdr='echo " "; td=$define; tu=$undef; yyy=$@;
cont=true; xxf="echo \"<\$1> found.\" >&4";
case $# in 2) xxnf="echo \"<\$1> NOT found.\" >&4";;
*) xxnf="echo \"<\$1> NOT found, ...\" >&4";;
```

```
esac;
case
 $# in 4) instead=instead;; *) instead="at last";; esac;
while $test "$cont"; do
 xxx=`./findhdr $1`
 var=$2; eval "was=\$$2";
 if $test "$xxx" && $test -r "$xxx";
 then eval $xxf;
?X: Next line shifted left 1 tabstop to avoid sh core dump on MachTen 2.1.1.
 eval "case \"\$$var\" in $undef) . ./whoa; esac"; eval "$var=\$td";
  cont="";
 else eval $xxnf;
?X: Likewise, the next line has been shifted left 1 tabstop -- ADO, 08/03/95
 eval "case \"\$$var\" in $define) . ./whoa; esac"; eval "$var=\$tu"; fi;
 set $yyy; shift; shift; yyy=$@;
 case $# in 0) cont="";;
 2) xxf="echo \"but I found <\$1> $instead.\" >&4";
  xxnf="echo \"and I did not find <\$1> either.\" >&4";;
 *) xxf="echo \"but I found <\$1\> instead.\" >&4";
  xxnf="echo \"there is no <\$1>, ...\" >&4";;
 esac;
done;
?X: Remaining values are set to 'undef'
while $test "$yyy";
do set $yyy; var=$2; eval "was=\$$2";
 eval "case \"\$$var\" in $define) . ./whoa; esac"; eval "$var=\$tu";
 set $yyy; shift; shift; yyy=$@;
done'
```

Found
 in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Inhdr.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: cc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: cc.U,v $
?RCS: Revision 3.0.1.4  1995/05/12  12:06:47  ram
?RCS: patch54: may now abort Configure when cc does not work
```

```
?RCS:
?RCS: Revision 3.0.1.3  1995/01/11  15:20:11  ram
?RCS: patch45: changed gcc checking message to a more explicit one (WED)
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  16:04:29  ram
?RCS: patch36: detect gcc even when not called as 'gcc' (ADO)
?RCS: patch36: simplified gcc version checking (ADO)
?RCS: patch36: added ?F: line for metalint
 file checking
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  14:26:06  ram
?RCS: patch23: added support for gcc version (ADO)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:30  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:cc: Myread Oldconfig Checkcc test
?MAKE: -pick add $@ %<
?S:cc:
?S: This variable holds the name of a command to execute a C compiler which
?S: can resolve multiple global references that happen to have the same
?S: name.  Usual values are 'cc' and 'gcc'.
?S: Fervent ANSI compilers may be called 'c89'.  AIX has xlc.
?S:.
?F:!cc.cbu
?D:cc='cc'
: Determine the C compiler to be used
echo " "
case "$cc" in
") dflt=cc;;
*) dflt="$cc";;
esac
rp="Use which C compiler?"
. ./myread
cc="$ans"

: See whether they have no cc but they do have gcc
. ./trygcc
?X: Look for a hint-file generated 'call-back-unit'.  Now that the
?X: user has specified the compiler, we may need to set or change some
?X: other defaults.
if $test -f cc.cbu; then
   . ./cc.cbu
fi
. ./checkcc

Found
```

in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/cc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?X: This unit generates a $hasstruct string that is used internally
?X: by Configure to check if this system has a field for a
?X: particular struct (of if this system has a particular struct!)
?X:
?X: To use it, say something like:
?X:  set d_statblocks stat i_sysstat sys/stat.h
?X:  eval $hasstruct
?X: Or, for more complicated sets of headers, do something like
?X: hdrs="$define sys/foo.h
?X:  $i_sysbar sys/bar.h
?X:  $i_syszot sys/zot.h
?X:  $i_zappa zappa.h"
?X: set d_statblocks stat $hdrs
?X: eval $hasstruct
?X:
?MAKE:Hasstruct: Setvar rm_try test Compile
?MAKE: -pick add $@ %<
?T:varname struct
?V:hasstruct
: Define hasstruct macro for Configure internal use
hasstruct='varname=$1; struct=$2; shift;
 shift;
while $test $# -ge 2; do
 case "$1" in
 $define) echo "#include <$2>";;
 esac ;
   shift 2;
done > try.c;
echo "int main () { struct $struct foo; }" >> try.c;
set try;
if eval $compile; then
 val="$define";
else
 val="$undef";
fi;
set $varname;
```

```
eval $setvar;
$rm_try'
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/protos/Hasstruct.U
No license file was found, but licenses were detected in source scan.

```
/*
* $Id: getopt.C,v 3.0.1.1 1994/01/24 13:58:40 ram Exp ram $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* Original Author: unknown, got this off net.sources
*
* $Log: getopt.C,v $
* Revision 3.0.1.1  1994/01/24  13:58:40  ram
* patch16: created
*
*/
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/C/fake/getopt.C
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: baserev.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: baserev.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:24  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:baserev: Null
?MAKE: -pick wipe $@ %<
```

```
?S:baserev:
?S: The base revision level of this package, from the .package file.
?S:.
: set the base revision
baserev=<BASEREV>
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/baserev.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: so.U,v $
?RCS: Revision 3.0.1.2  1994/10/29  16:30:04  ram
?RCS: patch36: now tells user how he can suppress shared lib lookup (ADO)
?RCS: patch36: removed echo at the top, since it's now in the here-doc (ADO)
?RCS:
?RCS: Revision 3.0.1.1  1994/06/20  07:07:02  ram
?RCS: patch30: created
?RCS:
?X:
?X: This unit computes the shared-object / shared-lib extension
?X:
?MAKE:so: test libpth Loc Myread Oldconfig cat
?MAKE: -pick add $@ %<
?S:so:
?S: This variable holds the extension used to identify
 shared libraries
?S: (also known as shared objects) on the system. Usually set to 'so'.
?S:.
?T: xxx
: compute shared library extension
case "$so" in
")
 if xxx=`./loc libc.sl X $libpth`; $test -f "$xxx"; then
  dflt='sl'
 else
  dflt='so'
 fi
```

```
 ;;
*) dflt="$so";;
esac
$cat <<EOM

On some systems, shared libraries may be available.  Answer 'none' if
you want to suppress searching of shared libraries for the remainder
of this configuration.

EOM
rp='What is the file extension used for shared libraries?'
. ./myread
so="$ans"

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/dist/U/so.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: spitshell.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: spitshell.U,v $
?RCS: Revision 3.0.1.4  1997/02/28  16:22:12  ram
?RCS: patch61: removed useless chatter as this is now done very early
?RCS:
?RCS: Revision 3.0.1.3  1995/01/11  15:37:01  ram
?RCS: patch45: use 'test -f' instead of 'test -r' for exec-only cat progs (WED)
?RCS: patch45: protected "sh -c" within backquotes for Linux and SGI
?RCS:
?RCS: Revision 3.0.1.2  1994/08/29  16:33:00  ram
?RCS: patch32: don't create spitshell under the UU directory
?RCS:
 patch32: allow for cat in /bin or /usr/bin
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:12:58  ram
?RCS: patch10: made #!-failure message more friendly (WAD)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:49  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
```

```
?MAKE:spitshell shsharp sharpbang: eunicefix sh Head
?MAKE: -pick add $@ %<
?S:spitshell:
?S: This variable contains the command necessary to spit out a runnable
?S: shell on this system.  It is either cat or a grep -v for # comments.
?S:.
?S:shsharp:
?S: This variable tells further Configure units whether your sh can
?S: handle # comments.
?S:.
?S:sharpbang:
?S: This variable contains the string #! if this system supports that
?S: construct.
?S:.
?F:!sharp
?T:xcat p
?X: "paths" comes from Head
?LINT:extern paths _exe
: see if sh knows # comments
?X: This is loaded up early, so avoid being chatty.
?X: echo " "
?X: echo "Checking your $sh to see if it knows about # comments..." >&2
if `$sh -c '#' >/dev/null 2>&1`; then
?X: echo
 "Your $sh handles # comments correctly."
 shsharp=true
 spitshell=cat
?X: echo " "
?X: echo "Okay, let's see if #! works on this system..."
 xcat=/bin/cat
 test -f $xcat$_exe || xcat=/usr/bin/cat
 if test ! -f $xcat$_exe; then
  for p in `echo $PATH | sed -e "s/$p_/ /g"` $paths; do
   if test -f $p/cat$_exe; then
    xcat=$p/cat
    break
   fi
  done
  if test ! -f $xcat$_exe; then
   echo "Can't find cat anywhere!"
   exit 1
  fi
 fi
 echo "#!$xcat" >sharp
 $eunicefix sharp
 chmod +x sharp
 ./sharp > today 2>/dev/null
 if test -s today; then
```

```
?X:  echo "It does."
  sharpbang='#!'
 else
  echo "#! $xcat" > sharp
  $eunicefix sharp
  chmod +x sharp
  ./sharp > today 2>/dev/null
  if test -s today; then
?X:   echo "It does."
   sharpbang='#! '
  else
?X:   echo "Okay, let's see if #! works on this system..."
?X:   echo "It's just a comment."
   sharpbang=': use '
  fi
 fi
else
 echo " "
 echo "Your $sh doesn't grok # comments--I will strip them later on."
 shsharp=false
?X: The
 spitshell script will be perused, so leave it out the UU directory
 cd ..
 echo "exec grep -v '^[  ]*#'" >spitshell
 chmod +x spitshell
 $eunicefix spitshell
 spitshell=`pwd`/spitshell
 cd UU
 echo "I presume that if # doesn't work, #! won't work either!"
 sharpbang=': use '
fi
rm -f sharp today
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/spitshell.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
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?RCS:
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?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
```

```
?RCS: $Log: libc.U,v $
?RCS: Revision 3.0.1.10  1997/02/28  15:56:48  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS: patch61: added support for HPUX-10 nm output
?RCS:
?RCS: Revision 3.0.1.9  1995/07/25  14:11:56  ram
?RCS: patch56: now knows about OS/2 platforms
?RCS:
?RCS: Revision 3.0.1.8  1995/05/12  12:20:47  ram
?RCS: patch54: made sure only most recent version of shared lib is picked
?RCS: patch54: final "nm -p" check now uses xscan and xrun like everybody
?RCS: patch54: can now grok
 linux nm output with lead __IO (ADO)
?RCS: patch54: added support for linux ELF output, using 'W' for alias (ADO)
?RCS:
?RCS: Revision 3.0.1.7  1994/10/29  16:23:40  ram
?RCS: patch36: now looks for shared libraries before anything else (ADO)
?RCS: patch36: added new nm output format (ADO)
?RCS:
?RCS: Revision 3.0.1.6  1994/08/29  16:28:10  ram
?RCS: patch32: added I-type symbols for nm output parsing on Linux
?RCS:
?RCS: Revision 3.0.1.5  1994/06/20  07:03:24  ram
?RCS: patch30: checks are now presented by succession of if/elif
?RCS: patch30: uniformized checks for shared objects with new so symbol
?RCS:
?RCS: Revision 3.0.1.4  1994/05/06  15:06:33  ram
?RCS: patch23: added shared library knowledge (ADO and WED)
?RCS:
?RCS: Revision 3.0.1.3  1994/01/24  14:12:17  ram
?RCS: patch16: can now export nm_extract as an internal-use only variable
?RCS:
?RCS: Revision 3.0.1.2  1993/09/13  16:09:03  ram
?RCS: patch10: added special handling for Apollo systems (WAD)
?RCS:
?RCS: Revision 3.0.1.1
  1993/08/27  14:40:03  ram
?RCS: patch7: added entry for /usr/shlib/libc.so (OSF/1 machines)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:57  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libc libnames +nm_extract: echo n c rm test grep Getfile Myread \
 Oldconfig Loc sed libs incpath libpth ar runnm nm nm_opt nm_so_opt \
 contains xlibpth so osname trnl tr sort uniq _o _a
?MAKE: -pick add $@ %<
?S:libc:
?S: This variable contains the location of the C library.
```

```
?S:.
?S:libnames:
?S: The constructed list of library names.  Normally empty, but hint files
?S: may set this for later perusal by Configure.
?S:.
?S:nm_extract:
?S: This variable holds the name of the extraction command used to process
?S: the output of nm and yield the list of defined symbols. It is used
?S: internally by Configure.
?S:.
?T:thislib try libnames xxx xscan xrun thisname com tans file
?F:!libnames !libc.tmp !tmp.imp
?LINT:change nm_opt runnm
?INIT:libnames=''
: Figure out where the libc is located
case
 "$runnm" in
true)
?X: indentation is wrong on purpose--RAM
: get list of predefined functions in a handy place
echo " "
case "$libc" in
'') libc=unknown
 case "$libs" in
 *-lc_s*) libc=`./loc libc_s$_a $libc $libpth`
 esac
 ;;
esac
case "$libs" in
'') ;;
*)  for thislib in $libs; do
 case "$thislib" in
 -lc|-lc_s)
  : Handle C library specially below.
  ;;
 -l*)
  thislib=`echo $thislib | $sed -e 's/^-l//'`
  if try=`./loc lib$thislib.$so.'*' X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib.$so X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib$_a X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc $thislib$_a X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc $thislib X $libpth`; $test -f "$try"; then
```

```
  :
  elif try=`./loc Slib$thislib$_a X $xlibpth`; $test -f "$try"; then
  :
  else
   try=''
  fi
  libnames="$libnames $try"
  ;;
 *) libnames="$libnames $thislib"
 ;;
 esac
 done
 ;;
esac
?X:
?X: Some systems (e.g. DG/UX) use "environmental" links, which make the test
?X: -f fail. Ditto for symbolic links. So in order to reliably check the
?X: existence of a file, we use test -r. It will still fail with DG/UX links
?X: though, but at least it will detect symbolic links. At some strategic
?X: points, we make use of (test -h), using a sub-shell in case builtin test
?X: does not implement the -h check for symbolic links. This makes it
?X: possible to preset libc in a hint file for instance and have it show up
?X: as-is in the question.
?X:
xxx=normal
case "$libc" in
unknown)
?X:
?X: The sed below transforms .so.9 .so.12 into something like .so.0009 .so.0012,
?X: then sorts on it to allow keeping .so.12 instead of .so.9 as the latest
?X: up-to-date library. The initial filename (before sed munging, saved in hold
?X: space via 'h') is appended via 'G' before sorting, then the leading munged
?X: part is removed after sorting. Nice efficient work
 from Tye McQueen.
?X: The initial blurfl is here to prevent the trailing pipe from producing an
?X: empty string, causing Configure to output all its set variables!
?X:
 set /lib/libc.$so
 for xxx in $libpth; do
  $test -r $1 || set $xxx/libc.$so
  : The messy sed command sorts on library version numbers.
  $test -r $1 || \
   set `echo blurfl; echo $xxx/libc.$so.[0-9]* | \
   tr ' ' $trnl | egrep -v '\.[A-Za-z]*$' | $sed -e '
    h
    s/[0-9][0-9]*/0000&/g
    s/0*\([0-9][0-9][0-9][0-9][0-9]\)/\1/g
    G
```

```
    s/\n/ /' | \
    $sort | $sed -e 's/^.* //'`
  eval set \$$#
 done
 $test -r $1 || set /usr/ccs/lib/libc.$so
 $test -r $1 || set /lib/libsys_s$_a
 ;;
*)
?X: ensure the test below for the (shared) C library will fail
 set blurfl
 ;;
esac
if $test -r "$1"; then
 echo "Your (shared) C library seems to be in $1."
 libc="$1"
elif $test -r /lib/libc && $test -r /lib/clib; then
?X:
?X: Apollo has its C library in /lib/clib AND /lib/libc
?X: not to mention its math library in /lib/syslib...
?X:
 echo
 "Your C library seems to be in both /lib/clib and /lib/libc."
 xxx=apollo
 libc='/lib/clib /lib/libc'
 if $test -r /lib/syslib; then
  echo "(Your math library is in /lib/syslib.)"
?X: Put syslib in libc -- not quite right, but won't hurt
  libc="$libc /lib/syslib"
 fi
elif $test -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
 echo "Your C library seems to be in $libc, as you said before."
?X: For mips, and...
elif $test -r $incpath/usr/lib/libc$_a; then
 libc=$incpath/usr/lib/libc$_a;
 echo "Your C library seems to be in $libc.  That's fine."
elif $test -r /lib/libc$_a; then
 libc=/lib/libc$_a;
 echo "Your C library seems to be in $libc.  You're normal."
else
 if tans=`./loc libc$_a blurfl/dyick $libpth`; $test -r "$tans"; then
  :
 elif tans=`./loc libc blurfl/dyick $libpth`; $test -r "$tans"; then
  libnames="$libnames "`./loc clib blurfl/dyick $libpth`
 elif tans=`./loc clib blurfl/dyick $libpth`; $test -r "$tans"; then
  :
 elif tans=`./loc Slibc$_a blurfl/dyick
 $xlibpth`; $test -r "$tans"; then
  :
```

```
 elif tans=`./loc Mlibc$_a blurfl/dyick $xlibpth`; $test -r "$tans"; then
  :
 else
  tans=`./loc Llibc$_a blurfl/dyick $xlibpth`
 fi
 if $test -r "$tans"; then
  echo "Your C library seems to be in $tans, of all places."
  libc=$tans
 else
  libc='blurfl'
 fi
fi
if $test $xxx = apollo -o -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
 dflt="$libc"
 cat <<EOM

If the guess above is wrong (which it might be if you're using a strange
compiler, or your machine supports multiple models), you can override it here.

EOM
else
 dflt="
 echo $libpth | $tr ' ' $trnl | $sort | $uniq > libpath
 cat >&4 <<EOM
I can't seem to find your C library.  I've looked in the following places:

EOM
 $sed 's/^/ /' libpath
 cat <<EOM

None of these seems to contain your C library. I need to get its name...

EOM
fi
fn=f
rp='Where is your C library?'
. ./getfile
libc="$ans"

echo " "
echo $libc $libnames | $tr ' ' $trnl | $sort | $uniq > libnames
set X `cat libnames`
shift
xxx=files
case
 $# in 1) xxx=file; esac
echo "Extracting names from the following $xxx for later perusal:" >&4
echo " "
```

```
$sed 's/^/ /' libnames >&4
echo " "
$echo $n "This may take a while...$c" >&4

?X:
?X: Linux may need the special Dynamic option to nm for shared libraries.
?X: In general, this is stored in the nm_so_opt variable.
?X: Unfortunately, that option may be fatal on non-shared libraries.
?X:
for file in $*; do
 case $file in
 *$so*) $nm $nm_so_opt $nm_opt $file 2>/dev/null;;
 *) $nm $nm_opt $file 2>/dev/null;;
 esac
done >libc.tmp

$echo $n ".$c"
?X:
?X: To accelerate processing, we look at the correct 'sed' command
?X: by using a small subset of libc.tmp, i.e. fprintf function.
?X: When we know which sed command to use, do the name extraction
?X:
$grep fprintf libc.tmp > libc.ptf
?X:
?X: In order to enhance readability and save some space, we define
?X: some variables that will be "eval"ed.
?X:
xscan='eval "<libc.ptf $com >libc.list"; $echo $n ".$c" >&4'
xrun='eval
 "<libc.tmp $com >libc.list"; echo "done." >&4'
?X: BSD-like output, I and W types added for Linux
?X: Some versions of Linux include a leading __IO in the symbol name.
?X: HPUX10 reportedly has trailing spaces, though I'm surprised it has
?X: BSD-like output.  (AD).
xxx='[ADTSIW]'
if com="$sed -n -e 's/__IO//' -e 's/^.* $xxx  *_[_.]*//p' -e 's/^.* $xxx  *//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: SYSV-like output
elif com="$sed -n -e 's/^__*//' -e 's/^\([a-zA-Z_0-9$]*\).*xtern.*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e '/|UNDEF/d' -e '/FUNC..GL/s/^.*|__*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
```

```
elif com="$sed -n -e 's/^.* D __*//p' -e 's/^.* D //p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^_//' -e 's/^\([a-zA-Z_0-9]*\).*xtern.*text.*/\1/p'";\
 eval
 $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|FUNC |GLOB .*|//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$grep '|' | $sed -n -e '/|COMMON/d' -e '/|DATA/d' \
    -e '/ file/d' -e 's/^\([^  ]*\).*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|FUNC |GLOB .*|//p' -e 's/^.*|FUNC |WEAK .*|//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: mips nm output (sysV)
elif com="$sed -n -e 's/^__//' -e '/|Undef/d' -e '/|Proc/s/ .*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|Proc .*|Text *| *//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e '/Def. Text/s/.* \([^ ]*\)\$/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null
 2>&1; then
  eval $xrun
?X: OS/2 nm output
elif com="$sed -n -e 's/^[-0-9a-f ]*_\(.*\)=.*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/.*\.text n\ \ \ \.//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: AIX nm output
elif com="sed -n -e 's/^__.*//' -e 's/[       ]*D[    ]*[0-9]*.*//p'";\
 eval $xscan;\
```

```
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
else
 $nm -p $* 2>/dev/null >libc.tmp
 $grep fprintf libc.tmp > libc.ptf
 if com="$sed -n -e 's/^.* [ADTSIW]  *_[_.]*//p' -e 's/^.* [ADTSIW] //p'";\
  eval $xscan; $contains '^fprintf$' libc.list >/dev/null 2>&1
 then
  nm_opt='-p'
  eval $xrun
 else
  echo " "
  echo "$nm didn't seem to work right. Trying $ar instead..." >&4
  com="
  if $ar t $libc > libc.tmp && \
   $contains '^fprintf$' libc.tmp >/dev/null 2>&1
  then
   for thisname in $libnames $libc; do
    $ar t $thisname >>libc.tmp
   done
   $sed
 -e "s/\\$_o\$//" < libc.tmp > libc.list
   echo "Ok." >&4
  elif test "X$osname" = "Xos2" && $ar tv $libc > libc.tmp; then
?X: Repeat libc to extract forwarders to DLL entries too
   for thisname in $libnames $libc; do
    $ar tv $thisname >>libc.tmp
?X: Revision 50 of EMX has bug in ar: it will not extract forwarders
?X: to DLL entries.  Use emximp which will extract exactly them.
    emximp -o tmp.imp $thisname \
        2>/dev/null && \
        $sed -e 's/^\([_a-zA-Z0-9]*\) .*$/\1/p' \
        < tmp.imp >>libc.tmp
    $rm -f tmp.imp
   done
   $sed -e "s/\\$_o\$//" -e 's/^ \+//' < libc.tmp > libc.list
   echo "Ok." >&4
  else
   echo "$ar didn't seem to work right." >&4
   echo "Maybe this is a Cray...trying bld instead..." >&4
   if
    bld t $libc | \
     $sed -e 's/.*\///' -e "s/\\$_o:.*\$//" > libc.list &&
    $test -s libc.list
   then
    for thisname in $libnames; do
     bld t $libnames | \
     $sed -e 's/.*\///' -e "s/\\$_o:.*\$//" >>libc.list
```

```
    $ar t $thisname >>libc.tmp
   done
   echo
 "Ok." >&4
  else
   echo "That didn't work either." >&4
   echo "No problem, I'll be compiling test programs then..." >&4
   runnm=false
  fi
 fi
fi
fi
nm_extract="$com"
if $test -f /lib/syscalls.exp; then
 echo " "
 echo "Also extracting names from /lib/syscalls.exp for good ole AIX..." >&4
 $sed -n 's/^\([^  ]*\)[  ]*syscall[0-9]*[  ]*$/\1/p' \
  /lib/syscalls.exp >>libc.list
fi
?X: remember, indentation is wrong on purpose--RAM
;;
esac
$rm -f libnames libpath
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: End.U,v 3.0 1993/08/18 12:04:51 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: End.U,v $
?RCS: Revision 3.0  1993/08/18  12:04:51  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit serves as the goal which forces make to choose all the units that
?X: ask questions.  The $W on the ?MAKE: line is the list of all symbols wanted.
?X: To force any unit to be included, copy this unit to your private U directory
?X: and add the name of the unit desired to the ?MAKE: dependency line.
```

```
?X:
?MAKE:End perllibs: $W cppstdin gzip zip
 libs usedl osname osvers
?MAKE: -pick add $@ %<
?S:perllibs:
?S: The list of libraries needed by Perl only (any libraries needed
?S: by extensions only will by dropped, if using dynamic loading).
?S:.
?INIT:perllibs="
?LINT:use $W
?LINT:use gzip zip
?LINT:change cppstdin
: Remove libraries needed only for extensions
: The appropriate ext/Foo/Makefile.PL will add them back in, if necessary.
: The exception is SunOS 4.x, which needs them.
case "${osname}X${osvers}" in
sunos*X4*)
   perllibs="$libs"
   ;;
*) case "$usedl" in
   $define|true|[yY]*)
     set X `echo " $libs " | sed -e 's@ -lndbm @ @' -e 's@ -lgdbm @ @' -e 's@ -lgdbm_compat @ @' -e 's@ -ldbm @
@' -e 's@ -ldb @ @'`
     shift
     perllibs="$*"
     ;;
   *) perllibs="$libs"
     ;;
   esac
   ;;
esac

?X: If the user has the cppstdin wrapper, perl.c will try to call
?X: CPPSTDIN, but that will point to a location in the build
?X: directory, not the installed version!.  Here, we'll just strip the
?X: name down to 'cppstdin',
 and rely on the fact that perl.c will
?X: then call SCRIPTDIR/cppstdin, but local things like 'make depend'
?X: will continue to work.
: Remove build directory name from cppstdin so it can be used from
: either the present location or the final installed location.
echo " "
: Get out of the UU directory to get correct path name.
cd ..
case "$cppstdin" in
`pwd`/cppstdin)
 echo "Stripping down cppstdin path name"
 cppstdin=cppstdin
```

```
 ;;
esac
cd UU

: end of configuration questions
echo " "
echo "End of configuration questions."
echo " "
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/End.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: Original author Jarkko Hietaniemi <jhi@iki.fi>
?RCS: Merged into dist by Andy Dougherty  July 13, 1998
?RCS:
?MAKE:trnl: Nothing
?MAKE: -pick add $@ %<
?S:trnl:
?S: This variable contains the value to be passed to the tr(1)
?S: command to transliterate a newline.  Typical values are
?S: '\012' and '\n'.  This is needed for EBCDIC systems where
?S: newline is not necessarily '\012'.
?S:.
?T: DJGPP
: Find the appropriate value for a newline for tr
?X: We can't
 use $tr since that would cause a circular dependency via Myread
?X: dos djgpp uses '\015\012', but reportedly is happy with '\012' in the
?X: tr command.  I don't know why it passes the '\n' test but later
?X: refuses to work correctly with it.  --AD  6/14/98
if test -n "$DJGPP"; then
    trnl='\012'
fi
if test X"$trnl" = X; then
```

```
 case "`echo foo | tr '\n' x 2>/dev/null`" in
 foox) trnl='\n' ;;
 esac
fi
if test X"$trnl" = X; then
 case "`echo foo | tr '\012' x 2>/dev/null`" in
 foox) trnl='\012' ;;
 esac
fi
if test X"$trnl" = X; then
     case "`echo foo | tr '\r\n' xy 2>/dev/null`" in
     fooxy) trnl='\n\r' ;;
     esac
fi
if test X"$trnl" = X; then
 cat <<EOM >&2

$me: Fatal Error: cannot figure out how to translate newlines with 'tr'.

EOM
 exit 1
fi
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/trnl.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: inc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: inc.U,v $
?RCS: Revision 3.0  1993/08/18  12:08:51  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:inc incexp: Loc Oldconfig Getfile usrinc
?MAKE: -pick add $@ %<
?S:inc:
?S: This variable holds the name of the directory in which the user wants
?S: to put public header files for the package in question.  It is most
?S: often a local directory such as /usr/local/include.
```

```
?S:.
?S:incexp:
?S: This is the same as the inc variable, but is filename
 expaned
?S: at configuration time for convenient use in your makefiles.
?S:.
: determine where public header files go
case "$inc" in
")
 dflt=`./loc . "." /usr/local/include /usr/include/local $usrinc`
 ;;
*)  dflt="$inc"
 ;;
esac
fn=d~
rp='Where do you want to put the public header files?'
. ./getfile
inc="$ans"
incexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/inc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Chk_MANI.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Chk_MANI.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  14:57:25  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.1  1994/10/31  09:33:14  ram
?RCS: patch44: now lists Begin instead of Myinit in its dependencies
?RCS: patch44: leading comment now explains how this unit is included
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:45  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit checks the package by making sure
```

```
 every file listed in MANIFEST
?X: is present. It is systematically "included" via the Finish unit (which
?X: is always present in every Configure script), although it may result in
?X: an empty inclusion when no MANIFEST is present.
?X:
?MAKE:Chk_MANI: Begin c n rsrc
?MAKE: -pick wipe $@ %<
?T:filelist ans tmppwd
?X: This check happens at metaconfig-time, so it's ok to hard-code the path.
@if {test -f ../MANIFEST}
: Now test for existence of everything in MANIFEST
echo " "
if test -f "$rsrc/MANIFEST"; then
 echo "First let's make sure your kit is complete.  Checking..." >&4
?X:
?X: Files spelled uppercased and beginning with PACK are produced by the
?X: shell archive builder and may be removed by the user. Usually, they are
?X: not listed in the MANIFEST file, but you never know...
?X:
?X: "split -l" is the new way of running a split, but we also try the older way
?X:
 awk '$1 !~ /PACK[A-Z]+/ {print $1}' "$rsrc/MANIFEST" | \
  (split -l 50 2>/dev/null || split -50)
 rm -f missing
 tmppwd=`pwd`
 for
 filelist in x??; do
  (cd "$rsrc"; ls `cat "$tmppwd/$filelist"` \
   >/dev/null 2>>"$tmppwd/missing")
 done
 if test -s missing; then
  cat missing >&4
  cat >&4 <<'EOM'

THIS PACKAGE SEEMS TO BE INCOMPLETE.

You have the option of continuing the configuration process, despite the
distinct possibility that your kit is damaged, by typing 'y'es.  If you
do, don't blame me if something goes wrong.  I advise you to type 'n'o
and contact the author (<MAINTLOC>).

EOM
?X: Can't use $echo at this early stage
  echo $n "Continue? [n] $c" >&4
  read ans
  case "$ans" in
  y*)
   echo "Continuing..." >&4
```

```
   rm -f missing
   ;;
  *)
?X:
?X: Use kill and not exit, so that the trap gets executed to clean up
?X:
   echo "ABORTING..." >&4
   kill $$
   ;;
  esac
 else
  echo "Looks good..."
 fi
else
 echo "There is no MANIFEST file.  I hope your kit is complete !"
fi
rm -f missing x??

@end
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Chk_MANI.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: nis.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  16:17:38  ram
?RCS: patch61: ensure suitable defaults for hostcat and friends
?RCS:
?RCS: Revision 3.0.1.2  1995/03/21  08:48:34  ram
?RCS: patch52: continued fix for NeXT NIS/NetInfo handling
?RCS:
?RCS: Revision 3.0.1.1  1995/02/15  14:16:23  ram
?RCS: patch51: now correctly handles NeXT using NIS rather than NetInfo
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:24  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
```

```
?MAKE:passcat groupcat hostcat:
 Myread Oldconfig test contains
?MAKE: -pick add $@ %<
?S:passcat:
?S: This variable contains a command that produces the text of the
?S: /etc/passwd file.  This is normally "cat /etc/passwd", but can be
?S: "ypcat passwd" when NIS is used.
?S:.
?S:groupcat:
?S: This variable contains a command that produces the text of the
?S: /etc/group file.  This is normally "cat /etc/group", but can be
?S: "ypcat group" when NIS is used.
?S:.
?S:hostcat:
?S: This variable contains a command that produces the text of the
?S: /etc/hosts file.  This is normally "cat /etc/hosts", but can be
?S: "ypcat hosts" when NIS is used.
?S:.
: see if we have to deal with yellow pages, now NIS.
?X: NeXT gives us some fun here, as always, by having both NIS (former YP)
?X: and NetInfo. But since it has both, it's ok to put the test inside the if.
?X: Contributed by Thomas Neumann <tom@smart.bo.open.de>.
if $test -d /usr/etc/yp || $test -d /etc/yp || $test -d /usr/lib/yp; then
 if $test -f /usr/etc/nibindd; then
  echo
 " "
  echo "I'm fairly confident you're on a NeXT."
@if passcat || groupcat
  echo " "
  rp='Do you get the passwd file via NetInfo?'
  dflt=y
  case "$passcat" in
  nidump*) ;;
  ") ;;
  *) dflt=n;;
  esac
  . ./myread
  case "$ans" in
  y*) passcat='nidump passwd .'
@if groupcat
   echo "(Assuming /etc/group is also distributed.)"
   groupcat='nidump group .'
@end
   ;;
  *) echo "You told me, so don't blame me."
   case "$passcat" in
   nidump*) passcat="
@if groupcat
```

```
    groupcat=";;
@end
  esac
@if groupcat
  echo "(Assuming /etc/group is handled the same way.)"
@end
  ;;
 esac
@end
@if hostcat
 echo " "
 rp='Do you get the hosts file via NetInfo?'
 dflt=y
 case "$hostcat" in
 nidump*) ;;
 ") ;;
 *) dflt=n;;
 esac
 . ./myread
 case "$ans" in
 y*) hostcat='nidump hosts .';;
 *) case "$hostcat" in
  nidump*) hostcat=";;
  esac
  ;;
 esac
@end
 fi
@if passcat || groupcat
 case "$passcat" in
 nidump*) ;;
 *)
  case "$passcat" in
  *ypcat*) dflt=y;;
  ")
 if $contains '^\+' /etc/passwd >/dev/null 2>&1; then
   dflt=y
  else
   dflt=n
  fi;;
 *) dflt=n;;
 esac
 echo " "
 rp='Are you getting the passwd file via yellow pages?'
 . ./myread
 case "$ans" in
 y*) passcat='ypcat passwd'
@if groupcat
```

```
   echo "(Assuming /etc/group is also distributed.)"
   groupcat='ypcat group'
@end
   ;;
  *) passcat='cat /etc/passwd'
@if groupcat
   echo "(Assuming /etc/group is also local.)"
   groupcat='cat /etc/group'
@end
   ;;
  esac
  ;;
 esac
@end
@if hostcat
 case "$hostcat" in
 nidump*) ;;
 *)
  case "$hostcat" in
  *ypcat*) dflt=y;;
  ") if $contains '^\+' /etc/passwd >/dev/null 2>&1; then
    dflt=y
   else
    dflt=n
   fi;;
  *) dflt=n;;
  esac
  echo " "
  rp='Are you getting the hosts file via yellow pages?'
  . ./myread
  case "$ans" in
  y*) hostcat='ypcat hosts';;
  *) hostcat='cat /etc/hosts';;
  esac
  ;;
 esac
@end
fi
?X: Ensure suitable default -- Manoj Srivastava
case "$hostcat" in
") hostcat=':'
 $test -f /etc/hosts && hostcat='cat
 /etc/hosts';;
esac
case "$groupcat" in
") groupcat=':'
 $test -f /etc/group && groupcat='cat /etc/group';;
esac
```

```
case "$passcat" in
") passcat=':'
 $test -f /etc/passwd && passcat='cat /etc/passwd';;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/nis.U
No license file was found, but licenses were detected in source scan.

Perl5 Metaconfig Units

Copyright (c) 1996-1998, Andy Dougherty
Copyright (c) 1999-2011, H.Merijn Brand
All rights reserved.

These units are the ones used to build Configure and config_h.SH
in the Perl5 distribution.

metaconfig will first look in its standard locations (specified when you
installed dist). It will then recurse through the 'U' subdirectory
and find any additional "private" units. Private units override
standard ones supplied with metaconfig.

Files in this directory:

README
This file.

Glossary.patch
The standard dist units contain some strings that make pod2man
complain. This patch silences those warnings. As new units are
added and Configure is regenerated, this patch may need more and more
'fuzz' to be applied. It should be freshly regenerated every once
in a while. See also mkgloss.pl

ln-all.pl
Re-generate the all/ folder

mkglossary
A script
to regenerate Porting/Glossary. You have to manually
edit the top of the script to point the location of your metaconfig
units. It is called automatically by 'mksample'. See also mkgloss.pl

mkgloss.pl
A perl script that calls U/mkglossary from the perl source tree, sorts
the list of symbols, and applies the patch mentioned in Glossary.patch.

When called on its own, redirect the output to a temporary file, and compare that file to Porting/Glossary before applying.

mksample

A script to regenerate Porting/config.sh and Porting/config.H.
It also calls mkglossary, if necessary.

Subdirectories:

The units and other related files have been broken up into the following directories.

a_dvisory/

These are units that have to go first in the generated config_h.SH.
A word of explanation: Configure and config_h.SH are generated from 'Units' (the *.U files). Files indicate dependencies (using make(1)), and Configure is built to follow those dependencies.
However, config_h.SH is simply built by putting all the units in alphabetical order and extracting the relevant lines. (This could be fixed, I suppose, but it wasn't trivial the one time I looked.)
The a_dvisory/ directory, then, is a place to put units that need to be early in config_h.SH. (Most units are self-contained and ought to be able to go anywhere. However, some things, like byteorder, need to have the #defines from multiarch available.)

acl/

This is an old patch to begin to detect and use ACL (access control list) file protection schemes.

all/

A folder that conveniently holds symbolic links to all the modules that are used to build the current Configure and config_h.SH.

compline/

These are similar to the standard units, but I have modified them to have a more uniform compile command line, usually using the new Compile.U unit. (The ccflags.U unit is perl-specific since it mentions -DDEBUGGING and -DPOSIX_SOURCE, but that's the only place it is perl-specific.)

dist_patches/

These are patches to dist that must be applied before it is built and installed. I have submitted these for inclusion in the regular dist distribution. They have already been applied to the ../dist-3.0at70b directory.

ebcdic/
These are units that had to be specially modified to work under either EBCDIC or ASCII.

installdirs/
These are units to handle perl's installation directories and related issues.

modified/
These are modified versions of the standard units. Also included in this directory are new units that are clearly derived from existing units. I have submitted these for inclusion in the regular dist distribution.

nullified/
These are null units that replace units in the standard distribution. Typically they are there because some part of the perl source accidentally uses a symbol that metaconfig thinks means we want the corresponding
unit.

perl/
These are specific to perl. Some are heavily derived from original dist units, and are marked as such. Others are original.

perl_patches/
These are patches to the perl source. This directory should ordinarily be empty, but there may have been drift between the standard version of perl and the one associated with these units.

protos/
These are units modified to use the new Hasproto.U or Protochk.U units to check for prototypes.

threads/
These are specific to threading perl.

typedefs/
These are standard units modified to use the modified Typedef.U unit to check for typedefs. (The modified Typdef.U includes a function to avoid unnecessary prompts if the typdef being searched for exists.)

Where appropriate, I submitted these units for inclusion into the regular dist distribution. However, since dist is no longer actively maintained, and the alternative is for *me* to actively maintain it,

the units just
sit here.

Copyright Information:

Unless otherwise indicated, the files contained in this
distribution are:

Copyright (c) 1996-1998, Andy Dougherty

The following licensing terms apply to all files contained in
this distribution:

You may distribute the files contained in this distribution
under the terms of either

a) the "Artistic License" which comes with Perl, or

b) the "Artistic License" which comes with dist, or

c) the GNU General Public License as published by the Free
Software Foundation; either version 1, or (at your option) any
later version (see the file "Copying" that comes with the
Perl distribution).

Which one to use is your choice.

The units in the "modified" directory have been derived from units
associated with the metaconfig program of Raphael Manfredi's "dist"
distribution. These units list Raphael Manfredi as the Copyright holder.
dist is distributed under a modified version of the Perl Artistic License.
Clause 7 of this modified
license as contained in dist-3.0-pl60 provides:

7. You may reuse parts of this Package in your own programs, provided
that you explicitly state where you got them from, in the source code
(and, left to your courtesy, in the documentation), duplicating
all the associated copyright notices and disclaimers. Besides
your changes, if any, must be clearly marked as such. Parts reused
that way will no longer fall under this license if, and only if,
the name of your program(s) have no immediate connection with the
name of the Package itself or its associated programs. You may then
apply whatever restrictions you wish on the reused parts or choose
to place them in the Public Domain--this will apply only within the
context of your package.

In accordance with this clause, the versions of these units
contained here are made available under the same terms as the

rest of the units.

If you have any questions about the use of these units or about
the differences
 between these units and the standard versions, please
feel free to ask.

Andy Dougherty doughera@lafayette.edu
Dept. of Physics
Lafayette College
Easton, PA 18042-1782

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/README
No license file was found, but licenses were detected in source scan.

```
?RCS: Copyright (c) 2016 Dagfinn Ilmari Mannsker & H.Merijn Brand
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?X:
?X: This unit produces a variable that is intended to be eval'ed in
?X: order to define/undefine a symbol. A consistency check is made
?X: regarding any previous value and a warning is issued if there
?X: is any discrepancy.
?X:
?X: To use it, say:
?X: set d_siginfo_si_errno siginfo_t int si_errno $d_sigaction signal.h
?X: eval $hasfield_t;
?X:
?MAKE:Hasfield_t: test Compile rm_try Setvar
?MAKE: -pick add $@ %<
?LINT:define hasfield_t
?S:hasfield_t:
?S: Internal macro for Configure
?S:.
?V:hasfield_t:
?T:varname struct type field
: Define hasfield_t macro for Configure internal use
hasfield_t='varname=$1; struct=$2; type=$3; field=$4; shift; shift; shift; shift;
while $test $# -ge 2; do
   case
 "$1" in
 $define) echo "#include <$2>";;
   esac ;
   shift 2;
```

```
done > try.c;
echo "int main () { $struct foo; $type bar = foo.$field; }" >> try.c;
set try;
if eval $compile; then
 val="$define";
else
 val="$undef";
fi;
set $varname;
eval $setvar;
$rm_try'
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/Hasfield_t.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libnm.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libnm.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:08:26  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:01  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libnm: test Loc libpth _a
?MAKE: -pick add $@ %<
?S:libnm:
?S: This variable contains the argument to pass to the loader in order
?S: to get the new math library routines.  If there is no new math
?S: library, it is null.
?S:.
?T:ans
?O:
 use libswanted='-lnm' instead (see libs.U).
: see if we should include -lnm
echo " "
if $test -r /usr/lib/libnm$_a || $test -r /usr/local/lib/libnm$_a ; then
 echo "New math library found." >&4
```

```
 libnm='-lnm'
else
 ans=`./loc libnm$_a x $libpth`
 case "$ans" in
 x)
  echo "No nm library found--the normal math library will have to do." >&4
  libnm=''
  ;;
 *)
  echo "New math library found in $ans." >&4
  libnm="$ans"
  ;;
 esac
fi
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libnm.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Compile.U,v $
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS:
?X:
?X: This unit is just a quick shorthand for the compile command
?X: to be used in all the other metaconfig units.
?X:
?MAKE:Compile: +cc +optimize +ccflags +ldflags +libs test
?MAKE: -pick wipe $@ %<
?LINT:extern usedevel maintloc
?LINT:define compile compile_ok
?V:compile compile_ok mc_file
?S:compile:
?S: This shell variable is used internally by Configure to provide
?S: a convenient shorthand for the typical compile command, namely
?S: $cc $optimize $ccflags $ldflags -o $1 $1.c $libs > /dev/null 2>&1
?S: Note that the output filename does _not_ include the _exe
?S: extension.  Instead we assume that the linker will be
?S: "helpful" and automatically appending the correct suffix.
?S: OS/2
 users will apparently need to supply the -Zexe flag to
?S: get this behavior.
?S:
```

```
?S: To use this variable, say something like:
?S:  echo 'int main() { exit(0); }' > try.c
?S:  set try
?S:  if eval $compile; then
?S:   echo "success"   # and do whatever . . .
?S:  else
?S:   echo "failure"   # and do whatever . . .
?S:  fi
?S: To add extra flags cc flags (e.g. -DWHATEVER) just put them
?S: in $*, e.g.
?S:  set try -DTRY_THIS_FLAG
?S:.
?S:compile_ok:
?S: This shell variable is used internally by Configure to provide
?S: a convenient shorthand for the typical compile command that you
?S: expect to work ok.  It is the same as $compile, except we
?S: deliberately let the user see any error messages.
?S:.
: define a shorthand compile call
compile='
mc_file=$1;
shift;
case "$usedevel" in $define|true|[yY]*) if $test ! -f "${mc_file}.c"; then
echo "Internal Configure script bug - compiler test file ${mc_file}.c is missing. Please report this to <$maintloc>"
>&4;
exit 1;
fi;
esac;
$cc
 -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs > /dev/null 2>&1;'
: define a shorthand compile call for compilations that should be ok.
compile_ok='
mc_file=$1;
shift;
$cc -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs > /dev/null 2>&1;'
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/Compile.U
No license file was found, but licenses were detected in source scan.

```
#  You may redistribute only under the terms of the Artistic Licence,
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/files/fixcpp
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/bindex

* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/makegloss
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/errnolist.mk
No license file was found, but licenses were detected in source scan.

```
/*|?:[\/]*)
if test -f "$xxx"; then
: ok
else
echo "WARNING: no $xxx -- ignoring your setting for $file." >&4
xxx=`./loc $file $file $pth`
fi
;;
") xxx=`./loc $file $file $pth`;;
*) xxx=`./loc $xxx $xxx $pth`;;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\/]*)
echo $file is in $xxx.
;;
*)
echo "I don't know where '$file' is, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac
done
echo " "
echo "Don't worry if any of the following aren't found..."
say=offhand
for file in $trylist; do
?X: Allow them to -Dmake=pmake on the command line for instance (see above)
eval xxx=\$$file
case "$xxx" in
/*|?:[\/]*)
if test -f "$xxx"; then
: ok
else
echo "WARNING: no $xxx -- ignoring your setting for $file." >&4
xxx=`./loc $file $file $pth`
fi
```

```
;;
") xxx=`./loc $file $file $pth`;;
*)
 xxx=`./loc $xxx $xxx $pth`;;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\\/]*)
echo $file is in $xxx.
;;
*)
echo "I don't see $file out there, $say."
say=either
;;
esac
done
case "$egrep" in
egrep)
echo "Substituting grep for egrep."
egrep=$grep
_egrep=$grep
;;
esac
@if less
case "$less" in
") ;;
*) if $less -R </dev/null >/dev/null 2>&1; then
echo "Substituting less -R for less."
less="$less -R"
_less=$less
fi
;;
esac
@end
@if ln
case "$ln" in
ln)
echo "Substituting cp for ln."
ln=$cp
_ln=$cp
;;
esac
@end
```

```
@if make || gmake
case "$make" in
make)
case "$gmake" in
gmake)
echo "I can't find make or gmake, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac
;;
esac
case "$gmake" in
gmake) ;;
*) # We can't have osname yet.
if test -f "/system/gnu_library/bin/ar.pm"; then # Stratus VOS
# Assume that gmake, if found, is definitely
 GNU make
# and prefer it over the system make.
echo "Substituting gmake for make."
make=$gmake
_make=$gmake
fi
;;
esac
@end
case "$test" in
test)
echo "Hopefully test is built into your sh."
;;
*)
if `sh -c "PATH= test true" >/dev/null 2>&1`; then
echo "Using the test built into your sh."
?X:
?X: We need to set both test and _test, since Oldconfig.U will use the _test
?X: value to systematically restore computed paths, which may be wrong if
?X: we choose to load an old config.sh generated on another platform.
?X:
test=test
_test=test
fi
;;
esac
?LINT:change n c
case "$echo" in
echo)
echo "Hopefully echo is built into your sh."
;;
```

```
?X: For those rare cases where we don't need $echo...
") ;;
*)
echo " "
echo "Checking compatibility between $echo and builtin echo (if any)..." >&4
$echo $n "hi there$c" >foo1
echo $n "hi there$c" >foo2
if cmp foo1 foo2 >/dev/null 2>&1; then
echo "They are compatible.  In fact, they may be identical."
else
case "$n" in
'-n') n=" c='\c';;
*) n='-n' c=";;
esac
cat
 <<FOO
They are not compatible!  You are probably running ksh on a non-USG system.
I'll have to use $echo instead of the builtin, since Bourne shell doesn't
have echo built in and we may have to run some Bourne shell scripts.  That
means I'll have to use '$n$c' to suppress newlines now.  Life is ridiculous.

FOO
$echo $n "The star should be here-->$c"
$echo "*"
fi
$rm -f foo1 foo2
;;
esac

?X: The next part is irrelevant to the real process
# This question was auctioned at YAPC::Europe-2007 in Vienna
# I never promised you could answer it. I only auctioned the question.
cat <<FOO
The following message is sponsored by

Dresden.pm<--The stars should be here.

Dear Perl user, system administrator or package
maintainer, the Perl community sends greetings to
you. Do you (emblematical) greet back [Y/n]? n

FOO
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Loc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: End.U,v $
?RCS: Revision 3.0  1993/08/18  12:04:51  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit serves as the goal which forces make to choose all the units that
?X: ask questions.  The $W on the ?MAKE: line is the list of all symbols wanted.
?X: To force any unit to be included, copy this unit to your private U directory
?X: and add the name of the unit desired to the ?MAKE: dependency line.
?X:
?MAKE:End: $W
?MAKE: -pick add $@ %<
?LINT:use $W
: end of configuration
 questions
echo " "
echo "End of configuration questions."
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/End.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Myinit.U,v $
?RCS: Revision 3.0.1.1  1994/10/31  09:47:29  ram
?RCS: patch44: leading comment states this unit comes before option processing
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:07  ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: If you want to initialize any default values, copy this unit to your
?X: personal U directory and add the assignments to the end.  This file
?X: is included after variables are initialized but before any old
?X: config.sh file is read in and before
 any Configure switch processing.
?X:
?MAKE:Myinit: Init
?MAKE: -pick add $@ %<
?LINT: nocomment
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Myinit.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Rcs.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Rcs.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:15  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This is a unit that helps people who write SH scripts and keep them under
?X: RCS, but don't think to protect the $Log and other $Id keywords from
?X: variable substitution (or people like me who do not like to).
?X:
?MAKE:Author Date Header Id Locker Log RCSfile Revision Source State: Oldconfig
?MAKE: -pick weed $@ %<
?LINT:describe Author
 Date Header Id Locker Log RCSfile Revision Source State
: preserve RCS keywords in files with variable substitution, grrr
?Author:Author='$Author'
?Date:Date='$Date'
?Header:Header='$Header'
?Id:Id='$Id'
?$Locker'
?Log:Log='$Log'
```

```
?RCSfile:RCSfile='$RCSfile'
?Revision:Revision='$Revision'
?Source:Source='$Source'
?State:State='$State'
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Rcs.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Setprefixvar.U,v 3.0 2006/04/01 17:25:29 hmbrand $
?RCS:
?RCS: Copyright (c) 2006-2006, H.Merijn Brand & Nicholas Clark
?RCS:
?RCS: This file is included with or a derivative work of a file included
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.
?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS:
?RCS:   You may distribute under the terms of either the GNU General Public
?RCS:   License or the Artistic License, as specified in the README file.
?RCS:
?X:
?X: This unit sets up the scripts installprefix and setprefixvar, so code
?X: in other parts can be more simple and maintainable
?X:
?MAKE:Setprefixvar: Myread Getfile startsh eunicefix test \
 prefix prefixexp installprefix installprefixexp
?MAKE: -pick add $@ %<
?LINT:extern prefixvar
?X: metalint still sees "`\$${prefixvar}exp`" as variable :(
?T:prefixvarexp
?F:./setprefixvar
?F:./installprefix
: Perform
 the prefixexp/installprefixexp correction if necessary
cat <<EOS >installprefix
$startsh
EOS
cat <<'EOSC' >>installprefix
: Change installation prefix, if necessary.
if $test X"$prefix" != X"$installprefix"; then
   eval "install${prefixvar}=\`echo \$${prefixvar}exp | sed \"s#^\$prefixexp#\$installprefixexp#\"\`"
else
   eval "install${prefixvar}=\"\$${prefixvar}exp\""
fi
EOSC
chmod +x installprefix
$eunicefix installprefix
```

```
: Set variables such as privlib and privlibexp from the output of ./getfile
: performing the prefixexp/installprefixexp correction if necessary.
cat <<EOS >setprefixvar
$startsh
EOS
cat <<'EOSC' >>setprefixvar
eval "${prefixvar}=\"\$ans\""
eval "${prefixvar}exp=\"\$ansexp\""
. ./installprefix
EOSC
chmod +x setprefixvar
$eunicefix setprefixvar
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/Setprefixvar.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Hasproto.U $
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?X: This unit generates a $hasproto string that is used internally
?X: by Configure to check if this system has a prototype for a
?X: particular function
?X:
?X: To use it, say something like:
?X:  set d_getnetent_proto getnetent $i_netdb netdb.h
?X:  eval $hasproto
?X: Or, for more complicated sets of headers, do something like
?X: hdrs="$define sys/types.h
?X:  $i_systime sys/time.h
?X:  $i_sysselct sys/select.h
?X:  $i_netdb netdb.h"
?X: set d_getnetent_proto getnetent $hdrs
?X: eval $hasproto
?X:
?X: There is also an 'escape' hatch built in.  If you have a pair
?X: of args   'literal 'stuff' then 'stuff' gets included literally
?X: into the test program.  See Protochk.U for more details.
?X:
?MAKE:Hasproto:
 Setvar cppstdin cppflags cppminus contains rm_try test
?MAKE: -pick add $@ %<
```

```
?T:func varname
?F:!try.c
?V:hasproto
: Define hasproto macro for Configure internal use
hasproto='varname=$1; func=$2; shift; shift;
while $test $# -ge 2; do
 case "$1" in
 $define) echo "#include <$2>";;
 literal) echo "$2" ;;
 esac ;
   shift 2;
done > try.c;
$cppstdin $cppflags $cppminus < try.c > tryout.c 2>/dev/null;
if $contains "$func.*(" tryout.c >/dev/null 2>&1; then
 echo "$func() prototype found.";
 val="$define";
else
 echo "$func() prototype NOT found.";
 val="$undef";
fi;
set $varname;
eval $setvar;
$rm_try tryout.c'
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/protos/Hasproto.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: nis.U,v 3.0.1.3 1997/02/28 16:17:38 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: nis.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  16:17:38  ram
?RCS: patch61: ensure suitable defaults for hostcat and friends
?RCS:
?RCS: Revision 3.0.1.2  1995/03/21  08:48:34  ram
?RCS: patch52: continued fix for NeXT NIS/NetInfo handling
?RCS:
?RCS: Revision 3.0.1.1  1995/02/15  14:16:23  ram
?RCS: patch51: now correctly handles NeXT using NIS rather than NetInfo
```

```
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:24  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:passcat
 groupcat hostcat: Myread Oldconfig test contains
?MAKE: -pick add $@ %<
?S:passcat:
?S: This variable contains a command that produces the text of the
?S: /etc/passwd file.  This is normally "cat /etc/passwd", but can be
?S: "ypcat passwd" when NIS is used.
?S: On some systems, such as os390, there may be no equivalent
?S: command, in which case this variable is unset.
?S:.
?S:groupcat:
?S: This variable contains a command that produces the text of the
?S: /etc/group file.  This is normally "cat /etc/group", but can be
?S: "ypcat group" when NIS is used.
?S: On some systems, such as os390, there may be no equivalent
?S: command, in which case this variable is unset.
?S:.
?S:hostcat:
?S: This variable contains a command that produces the text of the
?S: /etc/hosts file.  This is normally "cat /etc/hosts", but can be
?S: "ypcat hosts" when NIS is used.
?S: On some systems, such as os390, there may be no equivalent
?S: command, in which case this variable is unset.
?S:.
:
 see if we have to deal with yellow pages, now NIS.
?X: NeXT gives us some fun here, as always, by having both NIS (former YP)
?X: and NetInfo. But since it has both, it's ok to put the test inside the if.
?X: Contributed by Thomas Neumann <tom@smart.bo.open.de>.
if $test -d /usr/etc/yp || $test -d /etc/yp || $test -d /usr/lib/yp; then
@if passcat || groupcat
 case "$passcat" in
 nidump*) ;;
 *)
  case "$passcat" in
  *ypcat*) dflt=y;;
  ") if $contains '^\+' /etc/passwd >/dev/null 2>&1; then
    dflt=y
   else
    dflt=n
   fi;;
  *) dflt=n;;
  esac
  echo " "
```

```
  rp='Are you getting the passwd file via yellow pages?'
  . ./myread
  case "$ans" in
  y*) passcat='ypcat passwd'
@if groupcat
   echo "(Assuming /etc/group is also distributed.)"
   groupcat='ypcat group'
@end
   ;;
  *) passcat='cat /etc/passwd'
@if groupcat
   echo "(Assuming /etc/group is also local.)"
   groupcat='cat /etc/group'
@end
   ;;
  esac
  ;;
 esac
@end
@if hostcat
 case "$hostcat" in
 nidump*) ;;
 *)
  case
 "$hostcat" in
  *ypcat*) dflt=y;;
  ") if $contains '^\+' /etc/passwd >/dev/null 2>&1; then
    dflt=y
   else
    dflt=n
   fi;;
  *) dflt=n;;
  esac
  echo " "
  rp='Are you getting the hosts file via yellow pages?'
  . ./myread
  case "$ans" in
  y*) hostcat='ypcat hosts';;
  *) hostcat='cat /etc/hosts';;
  esac
  ;;
 esac
@end
fi
?X: Ensure suitable default -- Manoj Srivastava
case "$hostcat" in
") test -f /etc/hosts && hostcat='cat /etc/hosts';;
esac
```

```
case "$groupcat" in
") test -f /etc/group && groupcat='cat /etc/group';;
esac
case "$passcat" in
") test -f /etc/passwd && passcat='cat /etc/passwd';;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/nis.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: installprefix.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: installprefix.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?RCS:
?MAKE:installprefix installprefixexp: Getfile Loc \
 Oldconfig afs cat package prefix
?MAKE: -pick add $@ %<
?S:installprefix:
?S: This variable holds the name of the directory below which
?S: "make install" will install the package.  For most users, this
?S: is the same
 as prefix.  However, it is useful for
?S: installing the software into a different (usually temporary)
?S: location after which it can be bundled up and moved somehow
?S: to the final location specified by prefix.
?S:.
?S:installprefixexp:
?S: This variable holds the full absolute path of installprefix
?S: with all ~-expansion done.
?S:.
: determine installation prefix for where package is to be installed.
if $afs; then
$cat <<EOM
```

```
Since you are running AFS, I need to distinguish the directory in which
files will reside from the directory in which they are installed (and from
which they are presumably copied to the former directory by occult means).

EOM
 case "$installprefix" in
 ") dflt=`echo $prefix | sed 's#^/afs/#/afs/.#'`;;
 *) dflt="$installprefix";;
 esac
else
$cat <<EOM

In some special cases, particularly when building $package for distribution,
it is convenient to distinguish the directory in which files should be
installed from the directory ($prefix) in which they will
eventually
 reside.  For most users, these two directories are the same.

EOM
 case "$installprefix" in
 ") dflt=$prefix ;;
 *) dflt=$installprefix;;
 esac
fi
fn=d~
rp='What installation prefix should I use for installing files?'
. ./getfile
installprefix="$ans"
installprefixexp="$ansexp"

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/U/installdirs/installprefix.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extract.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  14:58:52  ram
```

```
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  15:51:46  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:52  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a shell script which can be doted in order to extract
?X: .SH files with variable substitutions.
?X:
?X: When running Configure from a remote directory ($src
 is not '.'),
?X: then the files will be created in that directory, so beware!
?X:
?MAKE:Extract: Mkdirp src
?MAKE: -pick add $@ %<
?F:./extract
?T:CONFIG SRC dir file
: script used to extract .SH files with variable substitutions
cat >extract <<EOS
CONFIG=true
SRC="$src"
EOS
cat >>extract <<'EOS'
echo "Doing variable substitutions on .SH files..."
if test -f "$SRC/MANIFEST"; then
 set x `awk '{print $1}' <$SRC/MANIFEST | grep '\.SH'`
else
 echo "(Looking for .SH files under the source directory.)"
 set x `(cd "$SRC"; find . -name "*.SH" -print)`
fi
shift
case $# in
0) set x `(cd "$SRC"; echo *.SH)`; shift;;
esac
if test ! -f "$SRC/$1"; then
 shift
fi
for file in $*; do
 case "$SRC" in
 ".")
  case "$file" in
  */*)
   dir=`expr X$file : 'X\(.*\)/'`
   file=`expr X$file : 'X.*/\(.*\)'`
   (cd $dir && . ./$file)
```

```
   ;;
  *)
   . ./$file
   ;;
  esac
  ;;
 *)
?X:
?X: When running Configure remotely ($src is not '.'), we cannot source
?X: the files directly, since that would wrongly cause
 the extraction
?X: where the source lie instead of withing the current directory. Therefore,
?X: we need to 'sh <file' then, which is okay since they will source the
?X: existing config.sh file. It's not possible to use:
?X:  ../src/Configure -S -O -Dsomething
?X: unfortunately since no new config.sh with the -Dsomething override
?X: will be created before running the .SH files. A minor buglet.
?X:
?X: Note that we must create the directory hierarchy ourselves if it does
?X: not exist already, and that is done through a shell emulation of the
?X: 'mkdir -p' command. We don't want to use the $installdir metaconfig
?X: symbol here since that would require too much to be configured for
?X: this simple extraction task that may happen quickly with 'Configure -S'.
?X:  -- RAM, 18/03/96
?X:
  case "$file" in
  */*)
   dir=`expr X$file : 'X\(.*\)/'`
   file=`expr X$file : 'X.*/\(.*\)'`
   ./mkdirp $dir
   sh <"$SRC/$dir/$file"
   ;;
  *)
   sh <"$SRC/$file"
   ;;
  esac
  ;;
 esac
done
if
 test -f "$SRC/config_h.SH"; then
 if test ! -f config.h; then
?X: oops, they left it out of MANIFEST, probably, so do it anyway.
  sh <"$SRC/config_h.SH"
 fi
fi
EOS
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Extract.U
No license file was found, but licenses were detected in source scan.

```
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:perladmin: cf_email Oldconfig Myread cat
?MAKE: -pick add $@ %<
?Y:TOP
?S:perladmin:
?S: Electronic mail address of the perl5 administrator.
?S:.
: Ask e-mail of administrator
$cat <<EOM

If you or somebody else will be maintaining perl at your site, please
fill in the correct e-mail address here so that they may be contacted
if necessary. You may enter "none" for no administrator.

EOM
case "$perladmin" in
") dflt="$cf_email";;
*) dflt="$perladmin";;
esac
rp='Perl administrator e-mail address'
. ./myread
perladmin="$ans"
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/perladmin.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: patchlevel.U,v 3.0.1.1 1997/02/28 16:18:41 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: This file is included with or a derivative work of a file included
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.
?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS:
?RCS:    You may distribute under the terms of either the GNU General Public
?RCS:    License or the Artistic License, as specified in the README file.
?RCS:
```

```
?RCS: $Log: patchlevel.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:18:41  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:31  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:patchlevel revision version subversion \
 perl_patchlevel version_patchlevel_string \
 api_revision api_version api_subversion api_versionstring: \
 package test rsrc echo awk osname
?MAKE: -pick
 add $@ %<
?S:revision:
?S: The value of revision comes from the patchlevel.h file.
?S: In a version number such as 5.6.1, this is the "5".
?S: In patchlevel.h, this is referred to as "PERL_REVISION".
?S:.
?S:patchlevel:
?S: The patchlevel level of this package.
?S: The value of patchlevel comes from the patchlevel.h file.
?S: In a version number such as 5.6.1, this is the "6".
?S: In patchlevel.h, this is referred to as "PERL_VERSION".
?S:.
?S:subversion:
?S: The subversion level of this package.
?S: The value of subversion comes from the patchlevel.h file.
?S: In a version number such as 5.6.1, this is the "1".
?S: In patchlevel.h, this is referred to as "PERL_SUBVERSION".
?S: This is unique to perl.
?S:.
?S:version:
?S: The full version number of this package, such as 5.6.1 (or 5_6_1).
?S: This combines revision, patchlevel, and subversion to get the
?S: full version number, including any possible subversions.
?S: This is suitable for use as a directory name, and hence is
?S: filesystem
 dependent.
?S:.
?S:api_revision:
?S: The three variables, api_revision, api_version, and
?S: api_subversion, specify the version of the oldest perl binary
?S: compatible with the present perl.  In a full version string
?S: such as '5.6.1', api_revision is the '5'.
?S: Prior to 5.5.640, the format was a floating point number,
?S: like 5.00563.
?S:
?S: perl.c:incpush() and lib/lib.pm will automatically search in
```

```
?S: $sitelib/.. for older directories back to the limit specified
?S: by these api_ variables.  This is only useful if you have a
?S: perl library directory tree structured like the default one.
?S: See INSTALL for how this works.  The versioned site_perl
?S: directory was introduced in 5.005, so that is the lowest
?S: possible value.  The version list appropriate for the current
?S: system is determined in inc_version_list.U.
?S:
?S: XXX To do:  Since compatibility can depend on compile time
?S: options (such as bincompat, longlong, etc.) it should
?S: (perhaps) be set by
 Configure, but currently it isn't.
?S: Currently, we read a hard-wired value from patchlevel.h.
?S: Perhaps what we ought to do is take the hard-wired value from
?S: patchlevel.h but then modify it if the current Configure
?S: options warrant.  patchlevel.h then would use an #ifdef guard.
?S:.
?S:api_version:
?S: The three variables, api_revision, api_version, and
?S: api_subversion, specify the version of the oldest perl binary
?S: compatible with the present perl.  In a full version string
?S: such as '5.6.1', api_version is the '6'.  See api_revision for
?S: full details.  As a special case, 5.5.0 is rendered in the
?S: old-style as 5.005.  (In the 5.005_0x maintenance series,
?S: this was the only versioned directory in $sitelib.)
?S:.
?S:api_subversion:
?S: The three variables, api_revision, api_version, and
?S: api_subversion, specify the version of the oldest perl binary
?S: compatible with the present perl.  In a full version string
?S: such as '5.6.1', api_subversion is the
 '1'.  See api_revision for
?S: full details.
?S:.
?S:api_versionstring:
?S: This variable combines api_revision, api_version, and
?S: api_subversion in a format such as 5.6.1 (or 5_6_1) suitable
?S: for use as a directory name.  This is filesystem dependent.
?S:.
?S:perl_patchlevel:
?S: This is the Perl patch level, a numeric change identifier,
?S: as defined by whichever source code maintenance system
?S: is used to maintain the patches; currently Perforce.
?S: It does not correlate with the Perl version numbers or
?S: the maintenance versus development dichotomy except
?S: by also being increasing.
?S:.
?S:version_patchlevel_string:
```

```
?S: This is a string combining version, subversion and
?S: perl_patchlevel (if perl_patchlevel is non-zero).
?S: It is typically something like
?S: 'version 7 subversion 1'  or
?S: 'version 7 subversion 1 patchlevel 11224'
?S: It is computed here to avoid duplication of code in myconfig.SH
?S: and lib/Config.pm.
?S:.
?LINT:extern LC_ALL
?LINT:extern LANGUAGE
:
 get the patchlevel
echo " "
echo "Getting the current patchlevel..." >&4
if $test -r $rsrc/patchlevel.h;then
 revision=`awk '/define[  ]+PERL_REVISION/ {print $3}' $rsrc/patchlevel.h`
 patchlevel=`awk '/define[  ]+PERL_VERSION/ {print $3}' $rsrc/patchlevel.h`
 subversion=`awk '/define[  ]+PERL_SUBVERSION/ {print $3}' $rsrc/patchlevel.h`
 api_revision=`awk '/define[  ]+PERL_API_REVISION/ {print $3}' $rsrc/patchlevel.h`
 api_version=`awk '/define[  ]+PERL_API_VERSION/ {print $3}' $rsrc/patchlevel.h`
 api_subversion=`awk '/define[  ]+PERL_API_SUBVERSION/ {print $3}' $rsrc/patchlevel.h`
 perl_patchlevel=`egrep ',"(MAINT|SMOKE)[0-9][0-9]*"' $rsrc/patchlevel.h|tail -1|sed 's/[^0-9]//g'`
else
 revision=0
 patchlevel=0
 subversion=0
 api_revision=0
 api_version=0
 api_subversion=0
 perl_patchlevel=0
 $echo "(You do not have patchlevel.h.  Eek.)"
fi
: Define a handy string here to avoid duplication in myconfig.SH and configpm.
version_patchlevel_string="version $patchlevel subversion $subversion"
case
 "$perl_patchlevel" in
0|'') ;;
*)  perl_patchlevel=`echo $perl_patchlevel | sed 's/.* //'`
   version_patchlevel_string="$version_patchlevel_string patch $perl_patchlevel"
   ;;
esac

$echo "(You have $package $version_patchlevel_string.)"

case "$osname" in
dos|vms)
 : XXX Should be a Configure test for double-dots in filenames.
 version=`echo $revision $patchlevel $subversion | \
```

```
   $awk '{ printf "%d_%d_%d", $1, $2, $3 }'`
 api_versionstring=`echo $api_revision $api_version $api_subversion | \
   $awk '{ printf "%d_%d_%d", $1, $2, $3 }'`
 ;;
*)
 version=`echo $revision $patchlevel $subversion | \
   $awk '{ printf "%d.%d.%d", $1, $2, $3 }'`
 api_versionstring=`echo $api_revision $api_version $api_subversion | \
   $awk '{ printf "%d.%d.%d", $1, $2, $3 }'`
 ;;
esac
: Special case the 5.005_xx maintenance series, which used 5.005
: without any subversion label as a subdirectory in $sitelib
if test "${api_revision}${api_version}${api_subversion}" = "550"; then
 api_versionstring='5.005'
fi
```

Found
 in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/patchlevel.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_byacc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_byacc.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:31:14  ram
?RCS: patch61: created
?RCS:
?MAKE:d_byacc: byacc Setvar
?MAKE: -pick add $@ %<
?S:d_byacc:
?S: This variable indicates whether byacc is available.
?S: If the user has specified 'portability', then Makefile.SH
?S: sees $byacc='byacc' whether or not the user actually has
?S: byacc.  This variable allows us to determine in a makefile
?S: if we really
 have byacc.
?S:.
```

```
?LINT:set d_byacc
: Check if we really have byacc
case "$byacc" in
"|'byacc') val="$undef" ;;
*) val="$define" ;;
esac
set d_byacc
eval $setvar
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_byacc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: man1dir.U,v 3.2 1999/07/08 20:57:21 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1996, 1999 Andy Dougherty
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: man1dir.U,v $
?RCS: Revision 3.2  1999/07/08 20:57:21  doughera
?RCS: Used installprefix.
?RCS:
?RCS: Revision 3.1  1999/07/08 20:52:19  doughera
?RCS: Updated for perl5.005_5x
?RCS:
?RCS: Revision 3.0.1.1  1997/02/28  16:10:29  ram
?RCS: patch61: created
?RCS:
?X: This was originally specific to perl5.  Since perl5 has man pages that
?X: go in both man1/ and man3/ directories, we need both man1dir
?X: and
 man3dir.  This unit is basically dist's mansrc.U with
?X: man1 used instead of man everywhere.
?X:
?MAKE:man1dir man1direxp man1ext installman1dir: cat nroff Loc Oldconfig \
 spackage test Getfile Setprefixvar Prefixit Prefixup sysman Myread \
 prefixexp
?MAKE: -pick add $@ %<
?Y:TOP
?D:man1dir="
?S:man1dir:
```

```
?S: This variable contains the name of the directory in which manual
?S: source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?D:man1direxp=''
?S:man1direxp:
?S: This variable is the same as the man1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installman1dir=''
?S:installman1dir:
?S: This variable is really the same as man1direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man1direxp only points to the read-only access location.
 For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:man1ext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '1'.  The Makefile must supply the '.'.
?S: See man1dir.
?S:.
?T:lookpath
?LINT:change prefixvar
?LINT:set man1direxp
: determine where manual pages go
set man1dir man1dir none
eval $prefixit
$cat <<EOM

$spackage has manual pages available in source form.
EOM
case "$nroff" in
nroff)
 echo "However, you don't have nroff, so they're probably useless to you."
 case "$man1dir" in
 '') man1dir="none";;
 esac;;
esac
echo "If you don't want the manual sources installed, answer 'none'."
case "$man1dir" in
' ') dflt=none
 ;;
'')
 lookpath="$prefixexp/share/man/man1"
 lookpath="$lookpath $prefixexp/man/man1 $prefixexp/man/l_man/man1"
 lookpath="$lookpath $prefixexp/man/p_man/man1"
```

```
 lookpath="$lookpath $prefixexp/man/u_man/man1"
 lookpath="$lookpath $prefixexp/man/man.1"
?X: Experience has shown people
 expect man1dir to be under prefix,
?X: so we now always put it there.  Users who want other behavior
?X: can answer interactively or use a command line option.
?X: Does user have System V-style man paths.
 case "$sysman" in
 */?_man*) dflt=`./loc . $prefixexp/l_man/man1 $lookpath` ;;
 *) dflt=`./loc . $prefixexp/man/man1 $lookpath` ;;
 esac
 set dflt
 eval $prefixup
 ;;
*)  dflt="$man1dir"
 ;;
esac
echo " "
fn=dn+~
rp="Where do the main $spackage manual pages (source) go?"
. ./getfile
if $test "X$man1direxp" != "X$ansexp"; then
 installman1dir="
fi
prefixvar=man1dir
. ./setprefixvar

case "$man1dir" in
") man1dir=' '
 installman1dir=";;
esac

: What suffix to use on installed man pages

case "$man1dir" in
' ')
 man1ext='0'
 ;;
*)
 rp="What suffix should be used for the main $spackage man pages?"
 case "$man1ext" in
 ") case "$man1dir" in
  *1)  dflt=1 ;;
  *1p) dflt=1p ;;
  *1pm) dflt=1pm ;;
  *l) dflt=l;;
  *n) dflt=n;;
  *o) dflt=o;;
```

```
  *p) dflt=p;;
  *C) dflt=C;;
  *L) dflt=L;;
  *L1)
 dflt=L1;;
  *) dflt=1;;
  esac
  ;;
 *) dflt="$man1ext";;
 esac
 . ./myread
 man1ext="$ans"
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/man1dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Warn.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extract.U,v $
?X:
?X: This unit produces a shell script which can be run in order to emit
?X: an important warning to the user, which will be remembered and shown
?X: at the end of the Configure run as well.
?X:
?X: A typical use would be:
?X:
?X:  ./warn <<EOM
?X:  Problem with your C compiler: can't turn debugging on.
?X:  EOM
?X:
?X: or:
?X:
?X:  ./warn "Problem with your C compiler: can't turn debugging on."
?X:
?X: Which will both display to the user:
?X:
```

```
?X:  ***
 WARNING:
?X:  *** Problem with your C compiler: can't turn debugging on.
?X:  ***
?X:
?MAKE:Warn: startsh eunicefix
?MAKE: -pick add $@ %<
?F:./warn
: script used to emit important warnings
cat >warn <<EOS
$startsh
?X: Read the whole warning message from stdin into a temporary file
?X: when no argument was supplied.
if test \$# -gt 0; then
 echo "\$@" >msg
else
 cat >msg
fi
?X: Emit the warning, prefixing all lines with '*** '
echo "*** WARNING:" >&4
sed -e 's/^/*** /' <msg >&4
echo "*** " >&4
?X: Save the warning in the logs, which will be shown again at the end
cat msg >>config.msg
echo " " >>config.msg
rm -f msg
EOS
chmod +x warn
$eunicefix warn
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Warn.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: prototype.U,v 3.0.1.3 1994/05/06 15:11:49 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: prototype.U,v $
?RCS: Revision 3.0.1.3  1994/05/06  15:11:49  ram
?RCS: patch23: ensure cc flags used when looking for prototype support
```

```
?RCS:
?RCS: Revision 3.0.1.2  1994/01/24  14:15:36  ram
?RCS: patch16: prototype handling macros now appear only when needed
?RCS:
?RCS: Revision 3.0.1.1  1993/08/25  14:03:12  ram
?RCS: patch6: defines were referring to non-existent VOID symbol
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:36  ram
?RCS: Baseline for dist
 3.0 netwide release.
?RCS:
?MAKE:prototype: Nothing
?S:prototype:
?S: This variable holds the eventual value of CAN_PROTOTYPE, which
?S: indicates the C compiler can handle function prototypes.
?S:.
: stub, never used
prototype=nothing
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/prototype.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorhtml1dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999, Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: vendorhtml1dir.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:vendorhtml1dir vendorhtml1direxp installvendorhtml1dir: html1dir Getfile \
 Setprefixvar Oldconfig Prefixit test vendorprefix prefix sed
?MAKE: -pick add $@ %<
?Y:TOP
?S:vendorhtml1dir:
?S: This variable contains the name of the directory for html
?S: pages.  It may have a ~ on the front.
?S: The standard distribution will put nothing in this
 directory.
?S: Vendors who distribute perl may wish to place their own
```

```
?S: html pages in this directory with
?S:  MakeMaker Makefile.PL INSTALLDIRS=vendor
?S: or equivalent.  See INSTALL for details.
?S:.
?S:vendorhtml1direxp:
?S: This variable is the ~name expanded version of vendorhtml1dir, so that you
?S: may use it directly in Makefiles or shell scripts.
?S:.
?D:installvendorhtml1dir=''
?S:installvendorhtml1dir:
?S: This variable is really the same as vendorhtml1direxp but may differ on
?S: those systems using AFS. For extra portability, only this variable
?S: should be used in makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installvendorhtml1dir
: Set the vendorhtml1dir variables
case "$vendorprefix" in
'') vendorhtml1dir=''
 vendorhtml1direxp=''
 ;;
*) : determine where vendor-supplied html pages go.
 : There is no standard location, so try to copy the previously-selected
 : directory structure for the core html pages.
 : XXX Better default suggestions would be welcome.
 case "$vendorhtml1dir"
 in
 '') dflt=`echo "$html1dir" | $sed "s#^$prefix#$vendorprefix#"` ;;
 *) dflt=$vendorhtml1dir ;;
 esac
 case "$dflt" in
 '|' ') dflt=none ;;
 esac
 fn=dn+~
 rp='Pathname for the vendor-supplied html pages?'
 . ./getfile
 vendorhtml1dir="$ans"
 vendorhtml1direxp="$ansexp"
 ;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorhtml1dir" = "X" && vendorhtml1dir=' '
prefixvar=vendorhtml1dir
. ./installprefix
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorhtml1dir.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: sitescript.U,v $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: sitescript.U,v $
?RCS:
?MAKE:sitescript sitescriptexp installsitescript : Getfile Oldconfig test \
 Setprefixvar sitebin siteprefix
?MAKE: -pick add $@ %<
?Y:TOP
?D:sitescript="
?S:sitescript:
?S: This variable holds the name of the directory in which the user wants
?S: to put add-on publicly executable files for the package in question.  It
?S: is most often a local directory such as /usr/local/bin. Programs using
?S: this variable must be prepared to deal with ~name substitution.
?S: The standard
 distribution will put nothing in this directory.
?S: After perl has been installed, users may install their own local
?S: scripts in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:sitescriptexp="
?S:sitescriptexp:
?S: This is the same as the sitescript variable, but is filename expanded at
?S: configuration time, for use in your makefiles.
?S:.
?D:installsitescript="
?S:installsitescript:
?S: This variable is usually the same as sitescriptexp, unless you are on
?S: a system running AFS, in which case they may differ slightly. You
?S: should always use this variable within your makefiles for portability.
?S:.
?LINT:change prefixvar
?LINT:set installsitescript
?LINT:set sitescript
?LINT:set sitescriptexp
: determine where add-on public executable scripts go
case "$sitescript" in
```

```
") dflt=$siteprefix/script
 $test -d $dflt || dflt=$sitebin ;;
*)  dflt="$sitescript" ;;
esac
fn=d~+
rp='Pathname where add-on public executable scripts
 should be installed?'
. ./getfile
prefixvar=sitescript
. ./setprefixvar

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/U/installdirs/sitescript.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: Warn_v7ND.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Warn_v7ND.U,v $
?RCS: Revision 3.0.1.1  1994/10/29  16:01:46  ram
?RCS: patch36: call ./v7 explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:18  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit warns V7 sites that they may not have a non-blocking read.
?X: This unit needs to be mentioned in End.U to get included.
?X:
?MAKE:Warn_v7ND: package Guess
?MAKE: -pick add $@ %<
: Warnings
if ./v7; then
 cat
 <<EOM

NOTE: many V7 systems do not have a way to do a non-blocking read.  If you
don't have any of FIONREAD, O_NDELAY, or rdchk(), the $package package
may not work as well as it might.  It might not work at all.
EOM
```

```
fi

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Warn_v7ND.U
No license file was found, but licenses were detected in source scan.

?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: You may distribute under the terms of either the GNU General Public

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_sigsetjmp.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_sigsetjmp.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: siteprefix.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: siteprefix.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:siteprefix siteprefixexp +oldsiteprefix: Getfile Loc Oldconfig cat package prefix
?MAKE: -pick add $@ %<
?S:siteprefix:
?S: This variable holds the full absolute path of the directory below
?S: which the user will install add-on packages.
?S: See INSTALL for usage and examples.
?S:.
?S:siteprefixexp:
?S: This variable holds the full absolute path of the
 directory below
?S: which the user will install add-on packages.  Derived from siteprefix.
?S:.
?S:oldsiteprefix:
?S: This variable is set non-null if the siteprefix was previously defined
?S: and gets set to a new value. Used internally by Configure only.
?S:.
: Set the siteprefix variables
```

```
$cat <<EOM

After $package is installed, you may wish to install various
add-on modules and utilities.  Typically, these add-ons will
be installed under $prefix with the rest
of this package.  However, you may wish to install such add-ons
elsewhere under a different prefix.

If you do not wish to put everything under a single prefix, that's
ok.  You will be prompted for the individual locations; this siteprefix
is only used to suggest the defaults.

The default should be fine for most people.

EOM
fn=d~+
rp='Installation prefix to use for add-on modules and utilities?'
: XXX Here might be another good place for an installstyle setting.
case "$siteprefix" in
") dflt=$prefix ;;
*)  dflt=$siteprefix
 ;;
esac
. ./getfile
: XXX Prefixit unit does not yet support siteprefix and vendorprefix
oldsiteprefix=''
case "$siteprefix" in
") ;;
*) case "$ans" in
 "$prefix") ;;
 *) oldsiteprefix="$prefix";;
 esac
 ;;
esac
siteprefix="$ans"
siteprefixexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/siteprefix.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Options.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Options.U,v $
?RCS: Revision 3.0.1.7  1997/02/28  15:08:15  ram
?RCS: patch61: optdef.sh now starts with a "startsh"
?RCS: patch61: moved some code from Head.U
?RCS:
?RCS: Revision 3.0.1.6  1995/09/25  09:14:46  ram
?RCS: patch59: protected option parsing code against 'echo -*' option failure
?RCS:
?RCS: Revision 3.0.1.5  1995/05/12  12:04:52  ram
?RCS: patch54: added -K option for experts
?RCS:
?RCS: Revision 3.0.1.4  1995/01/30  14:27:52  ram
?RCS:
 patch49: this unit now exports file optdef.sh, not a variable
?RCS:
?RCS: Revision 3.0.1.3  1995/01/11  15:19:00  ram
?RCS: patch45: new -O option allowing -D and -U to override config.sh settings
?RCS: patch45: file optdef.sh is no longer removed after sourcing
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  15:58:06  ram
?RCS: patch36: ensure option definition file is removed before appending
?RCS: patch36: protect variable definitions with spaces in them
?RCS:
?RCS: Revision 3.0.1.1  1994/06/20  06:55:44  ram
?RCS: patch30: now uses new me symbol to tag error messages
?RCS: patch30: new -D and -U options to define/undef symbols (JHI)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:14  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: Command line parsing. It is really important that the variables used here
?X: be not listed in the MAKE line, or they will be saved in config.sh and
?X: loading this file to fetch default answers would clobber the values set
?X: herein.
?X:
?MAKE:Options:
 startsh
?MAKE: -pick wipe $@ %<
?V:reuseval alldone error realsilent silent extractsh fastread \
 knowitall: config_sh
?T:arg argn symbol config_arg0 config_args config_argc xxx yyy zzz uuu
?T:args_exp args_sep arg_exp ccflags
?F:!Configure
```

```
?F:./optdef.sh ./cmdline.opt ./posthint.sh ./cmdl.opt
: Save command line options in file UU/cmdline.opt for later use in
: generating config.sh.
?X: This temporary file will be read by Oldsym.U.  I used a temporary
?X: file to preserve all sorts of potential command line quotes and
?X: also because we don't know in advance how many variables we'll
?X: need, so I can't actually declare them on the MAKE line.
?X: The config_args variable won't be quite correct if Configure is
?X: fed something like    ./Configure -Dcc="gcc -B/usr/ccs/bin/"
?X: since the quotes are gone by the time we see them.  You'd have to
?X: reconstruct the command line from the config_arg? lines, but since
?X: I don't imagine anyone actually having to do that, I'm not going
?X:
 to worry too much.
cat > cmdline.opt <<EOSH
: Configure command line arguments.
config_arg0='$0'
config_args='$*'
config_argc=$#
EOSH
argn=1
args_exp=''
args_sep=''
for arg in "$@"; do
 cat >>cmdline.opt <<EOSH
config_arg$argn='$arg'
EOSH
?X: Extreme backslashitis: replace each ' by '''''
 cat <<EOC | sed -e "s/'/'''''''''''''''/g" > cmdl.opt
$arg
EOC
 arg_exp=`cat cmdl.opt`
 args_exp="$args_exp$args_sep'$arg_exp'"
 argn=`expr $argn + 1`
 args_sep=' '
done
?X: args_exp is good for restarting self: eval "set X $args_exp"; shift; $0 "$@"
?X: used by hints/os2.sh in Perl, for instance
rm -f cmdl.opt

: produce awk script to parse command line options
cat >options.awk <<'EOF'
BEGIN {
 optstr = "A:dD:eEf:hKOrsSU:V"; # getopt-style specification

 len = length(optstr);
 for (i = 1; i <= len; i++) {
  c = substr(optstr, i, 1);
```

```
?X: some older awk's do not have the C ?: construct
  if (i < len) a = substr(optstr, i + 1, 1); else a = "";
  if (a == ":") {
   arg[c] = 1;
   i++;
  }
  opt[c]
 = 1;
 }
}
{
 expect = 0;
 str = $0;
 if (substr(str, 1, 1) != "-") {
  printf("'%s'\n", str);
  next;
 }
 len = length($0);
 for (i = 2; i <= len; i++) {
  c = substr(str, i, 1);
  if (!opt[c]) {
   printf("-%s\n", substr(str, i));
   next;
  }
  printf("-%s\n", c);
  if (arg[c]) {
   if (i < len)
    printf("'%s'\n", substr(str, i + 1));
   else
    expect = 1;
   next;
  }
 }
}
END {
 if (expect)
  print "?";
}
EOF

: process the command line options
?X: Use "$@" to keep arguments with spaces in them from being split apart.
?X: For the same reason, awk will output quoted arguments and the final eval
?X: removes them and sets a proper $* array. An 'X' is prepended to each
?X: argument before being fed to echo to guard against 'echo -x', where -x
?X: would be understood as an echo option! It is removed before feeding awk.
set X `for arg in "$@"; do echo "X$arg"; done |
 sed -e s/X// | awk -f options.awk`
```

```
eval "set $*"
shift
rm -f options.awk

: set up default values
fastread=''
reuseval=false
config_sh=''
alldone=''
error=''
silent=''
extractsh=''
knowitall=''
rm
 -f optdef.sh posthint.sh
cat >optdef.sh <<EOS
$startsh
EOS

?X:
?X: Given that we now have the possibility to execute Configure remotely
?X: thanks to the new src.U support, we have to face the possibility
?X: of having to ask where the source lie, which means we need the Myread.U
?X: stuff and possibly other things that might echo something on the
?X: screen...
?X:
?X: That's not pretty, and might be confusing in 99% of the time. So...
?X: We introduce a new realsilent variable which is set when -s is given,
?X: and we force silent=true if -S is supplied. The Extractall.U unit
?X: will then undo the >&4 redirection based on the value of the
?X: realsilent variable... -- RAM, 18/93/96
?X:

: option parsing
while test $# -gt 0; do
 case "$1" in
 -d) shift; fastread=yes;;
 -e) shift; alldone=cont;;
 -f)
  shift
  cd ..
  if test -r "$1"; then
   config_sh="$1"
  else
   echo "$me: cannot read config file $1."
 >&2
   error=true
  fi
```

```
 cd UU
 shift;;
--help|\
-h) shift; error=true;;
-r) shift; reuseval=true;;
-s) shift; silent=true; realsilent=true;;
-E) shift; alldone=exit;;
-K) shift; knowitall=true;;
-O) shift;;
-S) shift; silent=true; extractsh=true;;
-D)
 shift
 case "$1" in
 *=)
  echo "$me: use '-U symbol=', not '-D symbol='." >&2
  echo "$me: ignoring -D $1" >&2
  ;;
 *=*) echo "$1" | \
   sed -e "s/'/\'\''\''/g" -e "s/=\(.*\)/='\1'/" >> optdef.sh;;
 *) echo "$1='define'" >> optdef.sh;;
 esac
 shift
 ;;
-U)
 shift
 case "$1" in
 *=) echo "$1" >> optdef.sh;;
 *=*)
  echo "$me: use '-D symbol=val', not '-U symbol=val'." >&2
  echo "$me: ignoring -U $1" >&2
  ;;
 *) echo "$1='undef'" >> optdef.sh;;
 esac
 shift
 ;;
-A)
    shift
    xxx=''
    yyy="$1"
    zzz=''
    uuu=undef
    case "$yyy" in
          *=*) zzz=`echo "$yyy"|sed 's!=.*!!'`
               case "$zzz" in
               *:*) zzz='' ;;
               *)   xxx=append
```

```
            zzz=" "`echo "$yyy"|sed 's!^[^=]*=!!'`
                yyy=`echo "$yyy"|sed 's!=.*!!'` ;;
            esac
            ;;
        esac
        case "$xxx" in
        ")  case "$yyy" in
            *:*) xxx=`echo "$yyy"|sed 's!:.*!!'`
                yyy=`echo "$yyy"|sed 's!^[^:]*:!!'`
                zzz=`echo "$yyy"|sed 's!^[^=]*=!!'`
                yyy=`echo "$yyy"|sed 's!=.*!!'` ;;
            *)   xxx=`echo "$yyy"|sed 's!:.*!!'`
                yyy=`echo "$yyy"|sed 's!^[^:]*:!!'` ;;
            esac
            ;;
        esac
    case "$xxx" in
    append)
  echo "$yyy=\"\${$yyy}$zzz\"" >> posthint.sh ;;
    clear)
  echo "$yyy=""   >> posthint.sh ;;
    define)
       case "$zzz" in
  ") zzz=define ;;
  esac
  echo "$yyy='$zzz'"  >> posthint.sh ;;
    eval)
  echo "eval \"$yyy=$zzz\"" >> posthint.sh ;;
    prepend)
  echo "$yyy=\"$zzz\${$yyy}\"" >> posthint.sh ;;
    undef)

      case "$zzz" in
  ") zzz="$uuu" ;;
  esac
  echo "$yyy=$zzz"  >> posthint.sh ;;
        *)  echo "$me: unknown -A command '$xxx', ignoring -A $1" >&2 ;;
    esac
    shift
    ;;
  -V) echo "$me generated by metaconfig <VERSION> PL<PATCHLEVEL>." >&2
    exit 0;;
  --) break;;
  -*) echo "$me: unknown option $1" >&2; shift; error=true;;
  *) break;;
  esac
done
```

```
case "$error" in
true)
 cat >&2 <<EOM
Usage: $me [-dehrsEKOSV] [-f config.sh] [-D symbol] [-D symbol=value]
            [-U symbol] [-U symbol=] [-A command:symbol...]
 -d : use defaults for all answers.
 -e : go on without questioning past the production of config.sh.
 -f : specify an alternate default configuration file.
 -h : print this help message and exit (with an error status).
 -r : reuse C symbols value if possible (skips costly nm extraction).
 -s : silent mode, only echoes questions and essential information.
 -D : define symbol to have some value:
      -D symbol              symbol gets the
 value 'define'
      -D symbol='some value'   symbol is set to 'some value'
     common used examples (see INSTALL for more info):
      -Duse64bitint          use 64bit integers
      -Duse64bitall          use 64bit integers and pointers
      -Dusethreads           use thread support
      -Dinc_version_list=none  do not include older perl trees in @INC
      -DEBUGGING=none        DEBUGGING options
      -Dcc=gcc               choose your compiler
      -Dprefix=/opt/perl5      choose your destination
 -E : stop at the end of questions, after having produced config.sh.
 -K : do not use unless you know what you are doing.
 -O : ignored for backward compatibility
 -S : perform variable substitutions on all .SH files (can mix with -f)
 -U : undefine symbol:
      -U symbol    symbol gets the value 'undef'
      -U symbol=   symbol gets completely empty
     e.g.:  -Uversiononly
 -A : manipulate symbol after the platform specific hints
 have been applied:
      -A append:symbol=value   append value to symbol
      -A symbol=value          like append:, but with a separating space
      -A define:symbol=value   define symbol to have value
      -A clear:symbol          define symbol to be ''
      -A define:symbol         define symbol to be 'define'
      -A eval:symbol=value     define symbol to be eval of value
      -A prepend:symbol=value  prepend value to symbol
      -A undef:symbol          define symbol to be 'undef'
      -A undef:symbol=         define symbol to be ''
     e.g.:  -A prepend:libswanted='cl pthread '
            -A ccflags=-DSOME_MACRO
 -V : print version number and exit (with a zero status).
EOM
 exit 1
 ;;
```

```
esac

?X:
?X: Unless they specified either -S or both -d and -e/E, make sure we're
?X: running interactively, i.e. attached to a terminal. Moved from Head.U to
?X: be able to handle batch configurations...
?X:
?X: We have to hardwire the Configure name and
 cannot use $me, since if they
?X: said 'sh <Configure', then $me is 'sh'...
?X:
: Sanity checks
case "$fastread$alldone" in
yescont|yesexit) ;;
*)
 case "$extractsh" in
 true) ;;
 *)
  if test ! -t 0; then
   echo "Say 'sh Configure', not 'sh <Configure'"
   exit 1
  fi
  ;;
 esac
 ;;
esac

?X: In silent mode, the standard output is closed. Questions are asked by
?X: outputing on file descriptor #4, which is the original stdout descriptor.
?X: This filters out all the "junk", since all the needed information is written
?X: on #4. Note that ksh will not let us redirect output if the file descriptor
?X: has not be defined yet, unlike sh, hence the following line...--RAM.
exec 4>&1
case "$silent" in
true) exec 1>/dev/null;;
esac

: run the defines and the undefines, if any, but leave the file out there...
touch optdef.sh
?X: -q is POSIX
?X: It does not work in SysV (solaris) or old BSD greps.
grep '\\' optdef.sh >/dev/null 2>&1
if test $? = 0; then
   echo "Configure does not support \\
 in -D arguments"
   exit 1
fi
. ./optdef.sh
```

```
: create the posthint manipulation script and leave the file out there...
?X: this file will be perused by Oldconfig.U
touch posthint.sh
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Options.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: html1dir.U,v $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: html1dir.U,v $
?RCS:
?MAKE:html1dir html1direxp installhtml1dir: cat Loc Myread \
 spackage test Getfile Setprefixvar Prefixit Prefixup
?MAKE: -pick add $@ %<
?Y:TOP
?D:html1dir="
?S:html1dir:
?S: This variable contains the name of the directory in which html
?S: source pages are to be put.  This directory is for pages
?S: that describe whole programs, not libraries or modules.  It
?S: is intended to correspond roughly to section 1 of the Unix
?S: manuals.
?S:.
?D:html1direxp="
?S:html1direxp:
?S: This
 variable is the same as the html1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installhtml1dir="
?S:installhtml1dir:
?S: This variable is really the same as html1direxp, unless you are
?S: using a different installprefix.  For extra portability, you
?S: should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set html1direxp
?LINT:set installhtml1dir
```

```
: determine where html pages for programs go
set html1dir html1dir none
eval $prefixit
$cat <<EOM

If you wish to install html files for programs in $spackage, indicate
the appropriate directory here.  To skip installing html files,
answer "none".
EOM
case "$html1dir" in
"|none|$undef|' ') dflt=none ;;
*) dflt=$html1dir ;;
esac
fn=dn+~
rp="Directory for the main $spackage html pages?"
. ./getfile
prefixvar=html1dir
. ./setprefixvar
: Use ' ' for none so value is preserved next time through Configure
$test X"$html1dir" = "X" && html1dir=' '
```

Found
 in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/html1dir.U
No license file was found, but licenses were detected in source scan.

```
# $Id: errnolist.a,v 3.0 1993/08/18 12:04:35 ram Exp ram $
#
#  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
#  You may redistribute only under the terms of the Artistic Licence,
#  as specified in the README file that comes with the distribution.
#  You may reuse parts of this distribution only within the terms of
#  that same Artistic Licence; a copy of which may be found at the root
#  of the source tree for dist 4.0.
#
# Original Author: Harlan Stenn <harlan@mumps.pfcs.com>
#
# $Log: errnolist.a,v $
# Revision 3.0  1993/08/18 12:04:35  ram
# Baseline for dist 3.0 netwide release.
#
#
# This is a simple-minded awk script to generate an initialization for
# sys_errnolist on systems that don't have it.
# This file now depends only on sys/errno.h error numbers under maxerr being
# in order.  It will complain and die if not.  NOTE: It will still produce
```

a compilable output file, even with errors, so you must
 check the output.

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/errnolist.a
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: AAAAA.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: AAAAA.U,v $
?RCS: Revision 3.0.1.4  1994/06/20  06:50:26  ram
?RCS: patch30: changes from Jarkko Hietaniemi are tagged with JHI
?RCS:
?RCS: Revision 3.0.1.3  1994/05/06  14:01:39  ram
?RCS: patch23: initials for Wayne Davison are now WED
?RCS: patch23: added initials for new unit contributor Andy Dougherty
?RCS:
?RCS: Revision 3.0.1.2  1994/01/24  14:01:09  ram
?RCS: patch16: make metalint shut up on special unit definition for All target
?RCS:
?RCS: Revision
 3.0.1.1  1993/09/13  15:43:57  ram
?RCS: patch10: documents initials used for Wayne Davison's contributions
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:44  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: The purpose of this file is to supply the head of the Makefile created
?X: by metaconfig.  For this reason it must be first in alphabetical order.
?X: The leading '+' in front of the unit name is a hint for metalint, since
?X: the use of that special unit name as a "made" unit is legitimate here.
?X:
?MAKE:+All: Finish
?X:
?X: Throughout the units, the following initials are used to identify comments:
?X:
?X:  HMS: Harlan Stenn
?X:  RAM: Raphael Manfredi
```

```
?X:  WED: Wayne Davison (was WAD by mistake--RAM)
?X:  ADO: Andy Dougherty
?X:  JHI: Jarkko Hietaniemi
?X:
?X: Agreed, this is a weird place to document it, but I couldn't find a better
?X: place to do so. I've bet on the curiosity of users, who would probably
?X: want to know what's in this strangely-named file--RAM.
```

Found
 in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/AAAAA.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: shm_for.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: shm_for.U,v $
?RCS: Revision 3.0.1.1  1994/10/29  16:28:37  ram
?RCS: patch36: call ./Cppsym explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:46  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:shm_for shm_att shm_lim: Cppsym Myread ipc uname
?MAKE: -pick add $@ %<
?S:shm_for:
?S: This variable tells us the type of machine we're expecting the
?S: shared memory code to run on.  The value is available to C
 programs
?S: in the C_SHM_FOR manifest.
?S:.
?S:shm_att:
?S: This variable tells us where a shared memory segment should be
?S: attached.  Good values are HIGH, LOW, and ZERO.
?S:.
?S:shm_lim:
?S: This variable tells us if shared memory attached HIGH should
?S: have an upper limit.
?S:.
?X: ------------------------------------------------------
```

```
?X: It's a potential lose to define anything beginning with SHM...
?X: At least we can think that S_ stands for "String version of ..." -- HMS
?X: ------------------------------------------------------------
?C:S_SHM_FOR ~ %<:
?C: This symbol identifies what we chose for the target system's
?C: default shared memory configuration parameters.
?C:.
?C:S_SHM_ATT ~ %<:
?C: This symbol holds the default "place" to attach shared memory.
?C: Values are "HIGH", "ZERO", and "LOW".
?C:.
?C:S_SHM_LIM ~ %<:
?C: This symbol holds the default upper bound address limit if shared
?C: memory is attached HIGH.  If zero, there is no upper limit.
?C:.
?H:?%<:#ifdef
 SERVE_SHM
?H:?%<:#define S_SHM_FOR "$shm_for"
?H:?%<:#define S_SHM_ATT "$shm_att"
?H:?%<:#define S_SHM_LIM "$shm_lim"
?H:?%<:#endif
?H:.
?W:%<:S_SHM_FOR S_SHM_ATT S_SHM_LIM
: see how to attach shared memory
echo " "
echo "Deciding how to attach shared memory..." >&4

case "$ipc" in
shm)
 shm_for='Default case'
 shm_att='HIGH'
 shm_lim='0x0'
 if ./Cppsym tower32 tower32_600; then
  echo "NCR Towers are usually normal..."
  : echo "Oh, an NCR Tower."
  : This works for the 600
  shm_for='NCR Tower 32'
  shm_att='LOW'
 else
  case "$uname" in
  */uname)
   case "`uname -m`" in
   ACS??68*)
    echo "Oh, an Altos 3068."
    shm_for='Altos 3068:'
    shm_lim='0x800000'
    ;;
    esac
```

```
   ;;
  *)
   echo "Looks normal to me..."
   ;;
  esac
 fi

 dflt="$shm_for"
 rp='Description of shared memory configuration?'
 . ./myread
 shm_for="$ans"

 dflt="$shm_att"
 rp='Where should shared memory be attached?'
 . ./myread
 shm_att="$ans"

 case "$shm_att" in
 HIGH)
  dflt="$shm_lim"
  rp='What is
 the upper address limit for shared memory?'
  . ./myread
  shm_lim="$ans"
  ;;
 *)
  shm_lim=''
  ;;
 esac
 ;;

*)
 echo "but you aren't using shared memory so I won't bother." >&4
 shm_for='NOT CONFIGURED'
 shm_att='NONE'
 shm_lim='-1'
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/shm_for.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Copyright (c) 2000, Jarkko Hietaniemi
?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in order
?X: to make quick check on whether the current C compiler is working.
?X:
?MAKE:Checkcc ccname ccversion: Myread Warn startsh cat contains test
?MAKE: -pick add $@ %<
?S:ccname:
?S: This can set either by hints files or by Configure.  If using
?S: gcc, this is gcc, and if not, usually equal to cc, unimpressive, no?
?S: Some platforms, however, make good use of this by storing the
?S: flavor
 of the C compiler being used here.  For example if using
?S: the Sun WorkShop suite, ccname will be 'workshop'.
?S:.
?S:ccversion:
?S: This can set either by hints files or by Configure.  If using
?S: a (non-gcc) vendor cc, this variable may contain a version for
?S: the compiler.
?S:.
?F:./checkcc ./trygcc !checktmp
?V:despair
?T:trygcc
?LINT:extern cc rm ccflags ldflags
?LINT:change cc ccflags
?LINT:usefile checktmp
?INIT:ccname=''
?INIT:ccversion=''
: generate the trygcc script for later perusal
cat <<EOS >trygcc
$startsh
EOS
cat <<'EOSC' >>trygcc
case "$cc" in
'') ;;
*)  $rm -f try try.*
   $cat >try.c <<EOM
int main(int argc, char *argv[]) {
 (void) argc;
 (void) argv;
 return 0;
```

```
}
EOM
  if $cc -o try $ccflags $ldflags try.c; then
    :
  else
     echo "Uh-oh, the C compiler '$cc' doesn't seem to be working." >&4
     despair=yes
     trygcc=yes
     case "$cc" in
     *gcc*) trygcc=no ;;
     esac
     case "`$cc -v -c try.c 2>&1`" in

    *gcc*) trygcc=no ;;
     esac
     if $test X"$trygcc" = Xyes; then
        if gcc -o try -c try.c; then
           echo " "
           echo "You seem to have a working gcc, though." >&4
           rp="Would you like to use it?"
           dflt=y
           if $test -f myread; then
              . ./myread
           else
              if $test -f UU/myread; then
                 . ./UU/myread
              else
                 echo "Cannot find myread, sorry.  Aborting." >&2
                 exit 1
              fi
           fi
           case "$ans" in
           [yY]*) cc=gcc; ccname=gcc; ccflags=''; despair=no;
?X: Look whether we have 'call-back units' generated by hints that would
?X: seemingly affect the compiling environment.
                 $cat *.cbu >checktmp 2>/dev/null
                 if $contains ccflags checktmp >/dev/null; then

     ./warn <<EOM
Any previous setting of the C compiler flags has been lost.
It may be necessary to pass -Dcc=gcc to Configure right away.
EOM
                 fi;;
           esac
        fi
     fi
  fi
  $rm -f try try.*
```

```
   ;;
esac
EOSC

: generate the checkcc script for later perusal
cat <<EOS >checkcc
$startsh
EOS
cat <<'EOSC' >>checkcc
case "$cc" in
") ;;
*)  $rm -f try try.*
   $cat >try.c <<EOM
int main(int argc, char *argv[]) {
 (void) argc;
 (void) argv;
 return 0;
}
EOM
   if $cc -o try $ccflags $ldflags try.c; then
      :
   else
      if $test X"$despair" = Xyes; then
         echo "Uh-oh, the C compiler '$cc' doesn't seem to be working." >&4
      fi
      $cat >&4 <<EOM
You need to find a working C compiler.
Either (purchase and) install the C compiler supplied by your OS vendor,
or for a free C compiler try http://gcc.gnu.org/
I cannot continue any further, aborting.
EOM
      exit 1
   fi

 $rm -f try try.*
   ;;
esac
EOSC
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Checkcc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: sysman.U,v $
?RCS: Revision 3.0.1.2  1994/06/20  07:08:43  ram
?RCS: patch30: now explicitly states that /usr/man/man1 is the default
?RCS: patch30: added /usr/local/man/man1 to the search list
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:13:50  ram
?RCS: patch10: added support for /local/man/man1 (WAD)
?RCS: patch10: added temporary syspath variable to cut down on line length
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:55  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:sysman: test
 Loc Oldconfig
?MAKE: -pick add $@ %<
?S:sysman:
?S: This variable holds the place where the manual is located on this
?S: system. It is not the place where the user wants to put his manual
?S: pages. Rather it is the place where Configure may look to find manual
?S: for unix commands (section 1 of the manual usually). See mansrc.
?S:.
?T:syspath
: determine where manual pages are on this system
echo " "
case "$sysman" in
")
 syspath='/usr/share/man/man1 /usr/man/man1'
 syspath="$syspath /usr/man/mann /usr/man/manl /usr/man/local/man1"
 syspath="$syspath /usr/man/u_man/man1 /usr/share/man/man1"
 syspath="$syspath /usr/catman/u_man/man1 /usr/man/l_man/man1"
 syspath="$syspath /usr/local/man/u_man/man1 /usr/local/man/l_man/man1"
 syspath="$syspath /usr/man/man.L /local/man/man1 /usr/local/man/man1"
 sysman=`./loc . /usr/man/man1 $syspath`
 ;;
esac
if $test -d "$sysman"; then
 echo "System manual is in $sysman." >&4
else
 echo "Could not find manual pages in source form." >&4
fi
```

Found

in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/sysman.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: longsize.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: longsize.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  16:09:35  ram
?RCS: patch61: code moved to intsize.U
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  16:24:31  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:07  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: 'longsize' is now defined within intsize.U
?X:
?LINT: empty
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/longsize.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Csym.U,v 3.0.1.4 1995/07/25 13:36:29 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Csym.U,v $
?RCS: Revision 3.0.1.4  1995/07/25  13:36:29  ram
?RCS: patch56: re-arranged compile line to include ldflags before objects
```

```
?RCS: patch56: added quotes for OS/2 support
?RCS:
?RCS: Revision 3.0.1.3  1995/05/12  12:00:33  ram
?RCS: patch54: fixed C test program to bypass gcc builtin type checks (ADO)
?RCS:
?RCS: Revision 3.0.1.2  1994/10/31  09:34:13  ram
?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U
?RCS:
?RCS: Revision
 3.0.1.1  1993/08/25  14:00:05  ram
?RCS: patch6: added ldflags as a conditional dependency and to compile line
?RCS: patch6: a final double quote was missing in csym variable after eval
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:50  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:Csym mistrustnm extern_C: Options contains libc libs runnm test \
 +cc +optimize +ccflags +ldflags run rm_try _exe d_cplusplus
?MAKE: -pick add $@ %<
?LINT:define csym
?LINT:use libc
?LINT:extern mistrustnm
?LINT:set mistrustnm
?S:csym:
?S: This shell variable is used internally by Configure to check
?S: whether a given C symbol is defined or not. A typical use is:
?S:  set symbol result [-fva] [previous]
?S:  eval $csym
?S: That will set result to 'true' if the function [-f], variable [-v]
?S: or array [-a] is defined, 'false' otherwise. If a previous value is
?S: given and the -r flag was provided on the command line, that value
?S: is reused without questioning.
?S:.
?S:extern_C:
?S: ANSI C
 requires 'extern' where C++ requires 'extern "C"'. This
?S: variable can be used in Configure to do the right thing.
?S:.
?S:mistrustnm:
?S: This variable can be used to establish a fallthrough for the cases
?S: where nm fails to find a symbol.  If usenm is false or usenm is true
?S: and mistrustnm is false, this variable has no effect.  If usenm is true
?S: and mistrustnm is "compile", a test program will be compiled to try to
?S: find any symbol that can't be located via nm lookup.  If mistrustnm is
?S: "run", the test program will be run as well as being compiled.
?S:.
?V:csym
?T:tval tx tlook tf tdc
```

```
?F:!try
: is a C symbol defined?
csym='tlook=$1;
case "$3" in
-v) tf=libc.tmp; tdc="";;
-a) tf=libc.tmp; tdc="[]";;
*) tlook="^$1\$"; tf=libc.list; tdc="()";;
esac;
case "$d_cplusplus" in
   $define) extern_C="extern \"C\"" ;;
   *)  extern_C="extern" ;;
esac;
tx=yes;
case "$reuseval-$4" in
true-) ;;
true-*) tx=no; eval "tval=\$$4"; case "$tval" in "") tx=yes;; esac;;
esac;
case "$tx"
 in
yes)
?X:
?X: Put symbol inside a printf to fool optimizing compilers...
?X:
?X: We use 'short' instead of 'int' to try to circumvent overzealous
?X: optimizing compilers using built-in prototypes for commonly used
?X: routines to complain when seeing a different external declaration. For
?X: instance, gcc 2.6.3 fails if we use 'int' and we attempt a test against
?X: memcpy() on machines where sizeof(int) == sizeof(char *) (the usual return
?X: type), the compiler assuming it's a built-in declaration given that the
?X: returned size matches. At least with 'short' we are safe! -- RAM, for ADO
?X:
?X: Let's thank GNU cc for making our lives so easy! :-)
?X: (An alternative for the future would be to use our knowledge about gcc
?X: to force a -fno-builtin option in the compile test, in case the 'short'
?X: trick is obsoleted by future gcc releases). -- RAM
?X:
 tval=false;
 if $test "$runnm" = true; then
  if $contains $tlook $tf >/dev/null 2>&1; then
   tval=true;
  elif $test "$mistrustnm"
 = compile -o "$mistrustnm" = run; then
   echo "$extern_C void *$1$tdc; void *(*(p()))$tdc { return &$1; } int main(int argc, char **argv) { if(p() && p() !=
(void *)argv[0]) return(0); else return(1); }"> try.c;
   $cc -o try $optimize $ccflags $ldflags try.c >/dev/null 2>&1 $libs && tval=true;
   $test "$mistrustnm" = run -a -x try && { $run ./try$_exe >/dev/null 2>&1 || tval=false; };
   $rm_try;
  fi;
```

```
 else
  echo "$extern_C void *$1$tdc; void *(*(p()))$tdc { return &$1; } int main(int argc, char **argv) { if(p() && p() !=
(void *)argv[0]) return(0); else return(1); }"> try.c;
  $cc -o try $optimize $ccflags $ldflags try.c $libs >/dev/null 2>&1 && tval=true;
  $rm_try;
 fi;
 ;;
*)
 case "$tval" in
 $define) tval=true;;
 *) tval=false;;
 esac;
 ;;
esac;
eval "$2=$tval"'
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/Csym.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libc.U,v $
?RCS: Revision 3.0.1.10  1997/02/28  15:56:48  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS: patch61: added support for HPUX-10 nm output
?RCS:
?RCS: Revision 3.0.1.9  1995/07/25  14:11:56  ram
?RCS: patch56: now knows about OS/2 platforms
?RCS:
?RCS: Revision 3.0.1.8  1995/05/12  12:20:47  ram
?RCS: patch54: made sure only most recent version of shared lib is picked
?RCS: patch54: final "nm -p" check now uses xscan and xrun
 like everybody
?RCS: patch54: can now grok Linux nm output with lead __IO (ADO)
?RCS: patch54: added support for Linux ELF output, using 'W' for alias (ADO)
?RCS:
?RCS: Revision 3.0.1.7  1994/10/29  16:23:40  ram
?RCS: patch36: now looks for shared libraries before anything else (ADO)
```

```
?RCS: patch36: added new nm output format (ADO)
?RCS:
?RCS: Revision 3.0.1.6  1994/08/29  16:28:10  ram
?RCS: patch32: added I-type symbols for nm output parsing on Linux
?RCS:
?RCS: Revision 3.0.1.5  1994/06/20  07:03:24  ram
?RCS: patch30: checks are now presented by succession of if/elif
?RCS: patch30: uniformized checks for shared objects with new so symbol
?RCS:
?RCS: Revision 3.0.1.4  1994/05/06  15:06:33  ram
?RCS: patch23: added shared library knowledge (ADO and WED)
?RCS:
?RCS: Revision 3.0.1.3  1994/01/24  14:12:17  ram
?RCS: patch16: can now export nm_extract as an internal-use only variable
?RCS:
?RCS: Revision 3.0.1.2  1993/09/13  16:09:03  ram
?RCS: patch10: added special handling for Apollo
 systems (WAD)
?RCS:
?RCS: Revision 3.0.1.1  1993/08/27  14:40:03  ram
?RCS: patch7: added entry for /usr/shlib/libc.so (OSF/1 machines)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:57  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libc +nm_extract: echo n c rm test grep Getfile Myread Oldconfig Loc \
 sed libs incpath libpth ar runnm nm nm_opt nm_so_opt contains xlibpth \
 so _a _o osname trnl tr sort uniq sysroot
?MAKE: -pick add $@ %<
?S:libc:
?S: This variable contains the location of the C library.
?S:.
?S:nm_extract:
?S: This variable holds the name of the extraction command used to process
?S: the output of nm and yield the list of defined symbols. It is used
?S: internally by Configure.
?S:.
?T:thislib try libnames xxx xscan xrun thisname com tans file
?F:!libnames !libc.tmp !tmp.imp
?LINT:extern PASE
?LINT:extern libnames
?LINT:change nm_opt
?INIT:libnames="
: Figure out where the libc is located
case "$runnm" in
true)
?X: indentation is wrong on purpose--RAM
:
```

```
 get list of predefined functions in a handy place
echo " "
case "$libc" in
") libc=unknown
 case "$libs" in
 *-lc_s*) libc=`./loc libc_s$_a $libc $libpth`
 esac
 ;;
esac
case "$libs" in
") ;;
*)  for thislib in $libs; do
 case "$thislib" in
 -lc|-lc_s)
  : Handle C library specially below.
  ;;
 -l*)
  thislib=`echo $thislib | $sed -e 's/^-l//'`
  if try=`./loc lib$thislib.$so.'*' X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib.$so X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib$_a X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc $thislib$_a X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc $thislib X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc Slib$thislib$_a X $xlibpth`; $test -f "$try"; then
   :
  else
   try="
  fi
  libnames="$libnames $try"
  ;;
 *) libnames="$libnames $thislib" ;;
 esac
 done
 ;;
esac
?X:
?X: Some systems (e.g. DG/UX) use
 "environmental" links, which make the test
?X: -f fail. Ditto for symbolic links. So in order to reliably check the
?X: existence of a file, we use test -r. It will still fail with DG/UX links
?X: though, but at least it will detect symbolic links. At some strategic
```

```
?X: points, we make use of (test -h), using a sub-shell in case builtin test
?X: does not implement the -h check for symbolic links. This makes it
?X: possible to preset libc in a hint file for instance and have it show up
?X: as-is in the question.
?X:
xxx=normal
case "$libc" in
unknown)
?X:
?X: The sed below transforms .so.9 .so.12 into something like .so.0009 .so.0012,
?X: then sorts on it to allow keeping .so.12 instead of .so.9 as the latest
?X: up-to-date library. The initial filename (before sed munging, saved in hold
?X: space via 'h') is appended via 'G' before sorting, then the leading munged
?X: part is removed after sorting. Nice efficient work from Tye McQueen.
?X: The initial blurfl is here to prevent the trailing
 pipe from producing an
?X: empty string, causing Configure to output all its set variables!
?X:
 set /lib/libc.$so
 for xxx in $libpth; do
  $test -r $1 || set $xxx/libc.$so
  : The messy sed command sorts on library version numbers.
  $test -r $1 || \
   set `echo blurfl; echo $xxx/libc.$so.[0-9]* | \
   tr ' ' $trnl | egrep -v '\.[A-Za-z]*$' | $sed -e '
    h
    s/[0-9][0-9]*/0000&/g
    s/0*\([0-9][0-9][0-9][0-9][0-9]\)/\1/g
    G
    s/\n/ /' | \
    $sort | $sed -e 's/^.* //'`
  eval set \$$#
 done
 $test -r $1 || set $sysroot/usr/ccs/lib/libc.$so
 $test -r $1 || set $sysroot/lib/libsys_s$_a
 ;;
*)
?X: ensure the test below for the (shared) C library will fail
 set blurfl
 ;;
esac
if $test -r "$1"; then
 echo "Your (shared) C library seems to be in $1."
 libc="$1"
elif $test -r /lib/libc && $test -r /lib/clib; then
?X:
?X: Apollo has its C library in /lib/clib AND /lib/libc
?X: not to mention its math library in /lib/syslib...
```

```
?X:
 echo "Your C library seems to be in both /lib/clib
 and /lib/libc."
 xxx=apollo
 libc='/lib/clib /lib/libc'
 if $test -r /lib/syslib; then
  echo "(Your math library is in /lib/syslib.)"
?X: Put syslib in libc -- not quite right, but won't hurt
  libc="$libc /lib/syslib"
 fi
elif $test -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
 echo "Your C library seems to be in $libc, as you said before."
?X: For mips, and...
elif $test -r $incpath/usr/lib/libc$_a; then
 libc=$incpath/usr/lib/libc$_a;
 echo "Your C library seems to be in $libc.  That's fine."
elif $test -r /lib/libc$_a; then
 libc=/lib/libc$_a;
 echo "Your C library seems to be in $libc.  You're normal."
else
 if tans=`./loc libc$_a blurfl/dyick $libpth`; $test -r "$tans"; then
  :
 elif tans=`./loc libc blurfl/dyick $libpth`; $test -r "$tans"; then
  libnames="$libnames "`./loc clib blurfl/dyick $libpth`
 elif tans=`./loc clib blurfl/dyick $libpth`; $test -r "$tans"; then
  :
 elif tans=`./loc Slibc$_a blurfl/dyick $xlibpth`; $test -r "$tans"; then
  :
 elif tans=`./loc
 Mlibc$_a blurfl/dyick $xlibpth`; $test -r "$tans"; then
  :
 else
  tans=`./loc Llibc$_a blurfl/dyick $xlibpth`
 fi
 if $test -r "$tans"; then
  echo "Your C library seems to be in $tans, of all places."
  libc=$tans
 else
  libc='blurfl'
 fi
fi
if $test $xxx = apollo -o -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
 dflt="$libc"
 cat <<EOM

If the guess above is wrong (which it might be if you're using a strange
compiler, or your machine supports multiple models), you can override it here.
```

```
EOM
else
 dflt=''
 echo $libpth | $tr ' ' $trnl | $sort | $uniq > libpath
 cat >&4 <<EOM
I can't seem to find your C library.  I've looked in the following places:

EOM
 $sed 's/^/ /' libpath
 cat <<EOM

None of these seems to contain your C library. I need to get its name...

EOM
fi
fn=f
rp='Where is your C library?'
. ./getfile
libc="$ans"

echo " "
echo $libc $libnames | $tr ' ' $trnl | $sort | $uniq > libnames
set X `cat libnames`
shift
xxx=files
case $# in 1) xxx=file; esac
echo
 "Extracting names from the following $xxx for later perusal:" >&4
echo " "
$sed 's/^/ /' libnames >&4
echo " "
$echo $n "This may take a while...$c" >&4

?X:
?X: Linux may need the special Dynamic option to nm for shared libraries.
?X: In general, this is stored in the nm_so_opt variable.
?X: Unfortunately, that option may be fatal on non-shared libraries.
?X:
for file in $*; do
 case $file in
 *$so*) $nm $nm_so_opt $nm_opt $file 2>/dev/null;;
 *) $nm $nm_opt $file 2>/dev/null;;
 esac
done >libc.tmp

$echo $n ".$c"
?X:
?X: To accelerate processing, we look at the correct 'sed' command
```

```
?X: by using a small subset of libc.tmp, i.e. fprintf function.
?X: When we know which sed command to use, do the name extraction
?X:
$grep fprintf libc.tmp > libc.ptf
?X:
?X: In order to enhance readability and save some space, we define
?X: some variables that will be "eval"ed.
?X:
xscan='eval "<libc.ptf $com >libc.list"; $echo $n ".$c" >&4'
xrun='eval "<libc.tmp $com >libc.list"; echo "done." >&4'
?X:
 BSD-like output, I and W types added for Linux
?X: Some versions of Linux include a leading __IO in the symbol name.
?X: HP-UX 10 reportedly has trailing spaces, though I'm surprised it has
?X: BSD-like output.  (AD).
?X: GNU extension: i is "indirect function"
xxx='[ADTSIWi]'
if com="$sed -n -e 's/__IO//' -e 's/^.* $xxx  *//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: SYSV-like output
elif com="$sed -n -e 's/^__*//' -e 's/^\([a-zA-Z_0-9$]*\).*xtern.*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e '/|UNDEF/d' -e '/FUNC..GL/s/^.*|__*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.* D __*//p' -e 's/^.* D //p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^_//' -e 's/^\([a-zA-Z_0-9]*\).*xtern.*text.*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$'
 libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|FUNC |GLOB .*|//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$grep '|' | $sed -n -e '/|COMMON/d' -e '/|DATA/d' \
    -e '/ file/d' -e 's/^\([^  ]*\).*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
```

```
elif com="$sed -n -e 's/^.*|FUNC |GLOB .*|//p' -e 's/^.*|FUNC |WEAK .*|//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: mips nm output (sysV)
elif com="$sed -n -e 's/^__//' -e '/|Undef/d' -e '/|Proc/s/ .*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|Proc .*|Text *| *//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e '/Def. Text/s/.* \([^ ]*\)\$/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: OS/2
 nm output
elif com="$sed -n -e 's/^[-0-9a-f ]*_\(.*\)=.*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/.*\.text n\ \ \ \.//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: AIX nm output
elif com="sed -n -e 's/^__.*//' -e 's/[       ]*D[    ]*[0-9]*.*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
else
 $nm -p $* 2>/dev/null >libc.tmp
 $grep fprintf libc.tmp > libc.ptf
 if com="$sed -n -e 's/^.* [ADTSIW]  *_[_.]*//p' -e 's/^.* [ADTSIW] //p'";\
  eval $xscan; $contains '^fprintf$' libc.list >/dev/null 2>&1
 then
  nm_opt='-p'
  eval $xrun
 else
  echo " "
  echo "$nm didn't seem to work right. Trying $ar instead..." >&4
  com="
  if $ar t $libc > libc.tmp && \
   $contains '^fprintf$' libc.tmp >/dev/null 2>&1
  then
   for thisname in $libnames $libc; do
```

```
    $ar t $thisname >>libc.tmp
   done
   $sed -e "s/\\$_o\$//" < libc.tmp > libc.list
   echo
 "Ok." >&4
  elif test "X$osname" = "Xos2" && $ar tv $libc > libc.tmp; then
?X: Repeat libc to extract forwarders to DLL entries too
   for thisname in $libnames $libc; do
    $ar tv $thisname >>libc.tmp
?X: Revision 50 of EMX has bug in ar: it will not extract forwarders
?X: to DLL entries.  Use emximp which will extract exactly them.
    emximp -o tmp.imp $thisname \
        2>/dev/null && \
        $sed -e 's/^\([_a-zA-Z0-9]*\) .*$/\1/p' \
        < tmp.imp >>libc.tmp
    $rm -f tmp.imp
   done
   $sed -e "s/\\$_o\$//" -e 's/^ \+//' < libc.tmp > libc.list
   echo "Ok." >&4
  else
   echo "$ar didn't seem to work right." >&4
   echo "Maybe this is a Cray...trying bld instead..." >&4
   if  bld t $libc | \
    $sed -e 's/.*\///' -e "s/\\$_o:.*\$//" > libc.list &&
    $test -s libc.list
   then
    for thisname in $libnames; do
     bld t $libnames | \
     $sed -e 's/.*\///' -e "s/\\$_o:.*\$//" >>libc.list
     $ar t $thisname >>libc.tmp
    done
    echo "Ok." >&4
   else
    echo
 "That didn't work either.  Giving up." >&4
    exit 1
   fi
  fi
 fi
fi
nm_extract="$com"
case "$PASE" in
define)
   echo " "
   echo "Since you are compiling for PASE, extracting more symbols from libc.a ...">&4
   dump -Tv /lib/libc.a | awk '$7 == "/unix" {print $5 " " $8}' | grep "^SV" | awk '{print $2}' >> libc.list
   ;;
*)  if $test -f /lib/syscalls.exp; then
```

```
 echo " "
 echo "Also extracting names from /lib/syscalls.exp for good ole AIX..." >&4
 $sed -n 's/^\([^  ]*\)[  ]*syscall[0-9]*[  ]*$/\1/p' \
  /lib/syscalls.exp >>libc.list
   fi
   ;;
esac
;;
esac
$rm -f libnames libpath
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/libc.U
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```
?RCS: $Id: vendorman1dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999, Andy Dougherty
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: vendorman1dir.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:vendorman1dir vendorman1direxp installvendorman1dir: man1dir Getfile \
 Oldconfig Setprefixvar Prefixit test vendorprefix prefix sed
?MAKE: -pick add $@ %<
?Y:TOP
?S:vendorman1dir:
?S: This variable contains the name of the directory for man1
?S: pages.  It may have a ~ on the front.
?S: The standard distribution will put nothing in this directory.
?S: Vendors
 who distribute perl may wish to place their own
?S: man1 pages in this directory with
?S:  MakeMaker Makefile.PL INSTALLDIRS=vendor
?S: or equivalent.  See INSTALL for details.
?S:.
?S:vendorman1direxp:
?S: This variable is the ~name expanded version of vendorman1dir, so that you
?S: may use it directly in Makefiles or shell scripts.
?S:.
```

```
?D:installvendorman1dir="
?S:installvendorman1dir:
?S: This variable is really the same as vendorman1direxp but may differ on
?S: those systems using AFS. For extra portability, only this variable
?S: should be used in makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installvendorman1dir
: Set the vendorman1dir variables
case "$vendorprefix" in
") vendorman1dir="
 vendorman1direxp="
 ;;
*) : determine where vendor-supplied manual pages go.
 case "$vendorman1dir" in
 ") dflt=`echo "$man1dir" | $sed "s#^$prefix#$vendorprefix#"` ;;
 *) dflt=$vendorman1dir ;;
 esac
 case "$dflt" in
 "|' ') dflt=none ;;
 esac
 fn=nd~+
 rp='Pathname for
 the vendor-supplied manual section 1 pages?'
 . ./getfile
 vendorman1dir="$ans"
 vendorman1direxp="$ansexp"
 ;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorman1dir" = "X" && vendorman1dir=' '
prefixvar=vendorman1dir
. ./installprefix
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorman1dir.U
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```
?RCS: $Id$
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?RCS: of the source tree for dist 4.0.
```

```
?RCS:
?RCS: $Log: Filexp.U,v $
?RCS: Revision 3.0.1.2  1994/10/29  15:52:53  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS: patch36: added HOME to the ?T: line since metalint now checks ${HOME}
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  14:03:00  ram
?RCS: patch23: made sure error status from csh is propagated (WED)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:53  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a shell script which will expand filenames beginning
?X:
 with tildes.  The script is deleted at the end of Configure.
?X:
?MAKE:Filexp: startsh sed test expr eunicefix
?MAKE: -pick add $@ %<
?F:./filexp
?T:HOME LOGDIR dir me name failed
: set up shell script to do ~ expansion
cat >filexp <<EOSS
$startsh
: expand filename
?X:
?X: The case entries below escape the ~ as some shells have shown expansion
?X: of the ~ during here-doc processing.
?X:
case "\$1" in
\~/*|\~)
 echo \$1 | $sed "s|~|\${HOME-\$LOGDIR}|"
 ;;
\~*)
 if $test -f /bin/csh; then
  /bin/csh -f -c "glob \$1"
  failed=\$?
  echo ""
  exit \$failed
 else
  name=\`$expr x\$1 : '..\([^/]*\)'\`
  dir=\`$sed -n -e "/^\${name}:/{s/^[^:]*:[^:]*:[^:]*:[^:]*:[^:]*:\([^:]*\).*""\$"'/\1/" -e p -e q -e '}' </etc/passwd\`
  if $test ! -d "\$dir"; then
   me=\`basename \$0\`
   echo "\$me: can't locate home directory for: \$name" >&2
   exit 1
  fi
  case "\$1" in
```

```
  */*)
   echo \$dir/\`$expr x\$1 : '..[^/]*/\(.*\)'\`
   ;;
  *)
   echo \$dir
   ;;
  esac
 fi
 ;;
*)
 echo \$1
 ;;
esac
EOSS
chmod
 +x filexp
$eunicefix filexp
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Filexp.U
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```
?RCS: $Id: cf_name.U 1 2006-08-24 12:32:52Z rmanfredi $
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?RCS:
?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: cf_name.U,v $
?RCS: Revision 3.0.1.2  1994/05/06  14:29:36  ram
?RCS: patch23: fixed user name computation from /etc/passwd in bsd systems
?RCS:
?RCS: Revision 3.0.1.1  1994/01/24  14:05:11  ram
?RCS: patch16: created
?RCS:
?RCS:
?MAKE:+cf_name: cf_by passcat Filexp nametype cat test
?MAKE: -pick add $@ %<
?S:cf_name:
?S: Full name of the person who ran the Configure script and
```

```
 answered the
?S: questions. This can be used by units that require the user's full name.
?S: This variable is for internal use only.
?S:.
?T:xxx fn NAME
: figure out their full name
case "$NAME" in
") case "$nametype" in
 other)
  fn=`./filexp ~/.fullname`
  xxx=usg
  $test -f $fn && xxx=other
  ;;
 *)
  xxx="$nametype"
  ;;
 esac

 case "$xxx" in
 bsd)
  cf_name=`$passcat | grep "^$cf_by:" | \
   sed -e 's/^[^:]*:[^:]*:[^:]*:[^:]*:\([^:]*\):.*/\1/' \
   -e 's/,.*//'`
  ;;
   usg)
  cf_name=`$passcat | grep "^$cf_by:" | \
   sed -e 's/^[^:]*:[^:]*:[^:]*:[^:]*:\([^:]*\):.*/\1/' \
   -e 's/[^-]*-\(.*\)(.*)/\1/'`
  ;;
 *)
  cf_name=`$cat $fn`
  ;;
 esac
 ;;
*)
 cf_name="$NAME"
 ;;
esac
?X:
?X: In the original unit, Graham asked for the user name, in case the above
?X: code was unable to figure it out correctly. Since now cf_name has been
?X: made an internal variable only (i.e. it is not saved in config.sh), letting
?X: the user override the computed default each time would be a pain.
?X:
 Therefore, I have decided to trust the above code to get it right, and for
?X: those rare cases where it will fail, too bad :-) --RAM.
?X:
echo " "
```

```
echo "Pleased to meet you, $cf_name."
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/cf_name.U
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```
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?RCS:
?RCS: $Log: lib.U,v $
?RCS: Revision 3.0.1.3  1995/09/25  09:16:47  ram
?RCS: patch59: unit is now forced to the top of Configure, if possible
?RCS:
?RCS: Revision 3.0.1.2  1995/01/30  14:38:08  ram
?RCS: patch49: can now handle installation prefix changes (from WED)
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:27:40  ram
?RCS: patch32: now uses installation prefix to set the default
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:56  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:lib libexp: Getfile
 Loc Oldconfig Prefixit Prefixup prefixexp
?MAKE: -pick add $@ %<
?Y:TOP
?S:lib:
?S: This variable holds the name of the directory in which the user wants
?S: to put public library files for the package in question.  It is most
?S: often a local directory such as /usr/local/lib. Programs using this
?S: variable must be prepared to deal with filename expansion.
?S:.
?S:libexp:
?S: This variable is the same as the lib variable, but is filename expanded
?S: at configuration time, for convenient use in your makefiles.
?S:.
: determine where public libraries go
set lib lib
eval $prefixit
case "$lib" in
```

```
")
 dflt=`./loc . "." $prefixexp/lib /usr/local/lib /usr/lib /lib`
 set dflt
 eval $prefixup
 ;;
*)  dflt="$lib";;
esac
echo " "
fn=d~
rp='Where do you want to put the public libraries?'
. ./getfile
lib="$ans"
libexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/lib.U
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```
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```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/files/Jmake.tmpl
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Prefixup.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
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?RCS:
?RCS: $Log: Prefixup.U,v $
?RCS: Revision 3.0.1.1  1995/01/30  14:30:40  ram
?RCS: patch49: created
?RCS:
?X:
?X: Used as: "set dflt; eval $prefixup" to set $dflt to be $prefix/dir
?X: instead of $prefixexp/dir, in case portability was involved somehow
?X: and $prefix uses ~name expansion.
?X:
?MAKE:Prefixup: prefix prefixexp
?MAKE: -pick add $@ %<
?LINT:define prefixup
```

```
?S:prefixup:
?S: This shell variable is used internally by Configure to reset
?S: the leading
 installation prefix correctly when $prefix uses
?S: ~name expansion.
?S:  set dflt
?S:  eval $prefixup
?S: That will set $dflt to $prefix/dir if it was $prefixexp/dir and
?S: $prefix differs from $prefixexp.
?S:.
?V:prefixup
: set the prefixup variable, to restore leading tilda escape
prefixup='case "$prefixexp" in
"$prefix") ;;
*) eval "$1=\`echo \$$1 | sed \"s,^$prefixexp,$prefix,\"\`";;
esac'
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Prefixup.U
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```
?RCS: $Id: libs.U,v 3.0.1.6 1997/02/28 16:09:11 ram Exp $
?RCS:
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: libs.U,v $
?RCS: Revision 3.0.1.6  1997/02/28  16:09:11  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.5  1995/07/25  14:12:05  ram
?RCS: patch56: now knows about OS/2 platforms
?RCS:
?RCS: Revision 3.0.1.4  1994/10/29  16:24:22  ram
?RCS: patch36: removed old broken thislib/thatlib processing (ADO)
?RCS:
?RCS: Revision 3.0.1.3  1994/06/20  07:05:44  ram
?RCS: patch30: code cleanup with if/elif by ADO and RAM
?RCS: patch30:
 undone patch23 for libswanted default setting
?RCS:
?RCS: Revision 3.0.1.2  1994/05/06  15:08:45  ram
```

```
?RCS: patch23: now includes ordered default libswanted variable (ADO)
?RCS: patch23: major cleanup for library lookups (ADO)
?RCS:
?RCS: Revision 3.0.1.1  1993/08/25  14:02:31  ram
?RCS: patch6: added default for libs
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:03  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libs ignore_versioned_solibs libsfound libsfiles libsdirs libspath: \
 test cat Myread Oldconfig Loc libpth package xlibpth so _a \
 usesocks sed uselongdouble
?MAKE: -pick add $@ %<
?S:libs:
?S: This variable holds the additional libraries we want to use.
?S: It is up to the Makefile to deal with it.  The list can be empty.
?S:.
?S:libsfound:
?S: This variable holds the full pathnames of the libraries
?S: we found and accepted.
?S:.
?S:libsfiles:
?S: This variable holds the filenames aka basenames of the libraries
?S: we found and accepted.
?S:.
?S:libsdirs:
?S: This
 variable holds the directory names aka dirnames of the libraries
?S: we found and accepted, duplicates are removed.
?S:.
?S:libspath:
?S: This variable holds the directory names probed for libraries.
?S:.
?S:ignore_versioned_solibs:
?S: This variable should be non-empty if non-versioned shared
?S: libraries (libfoo.so.x.y) are to be ignored (because they
?S: cannot be linked against).
?S:.
?T:xxx yyy thislib thisdir libswanted libstyle
?D:libs="
?X:
?X: This order is chosen so that libraries  -lndir, -ldir, -lucb, -lbsd,
?X: -lBSD, -lPW, and -lx only get used if there are unresolved
?X: routines at link time.  Usually, these are backwards compatibility
?X: libraries, and may not be as reliable as the standard c library.
?X:
?X: The -lsocket -linet -lnsl order has been reported to be necessary
?X: for at least one SVR4 implementation.
```

```
?X: -lc must proceed -lucb or -lbsd for most Solaris applications.
?X: -lc_s proceeds -lc so we pick up the shared library version, if
?X: it is
 available.
?X:
?X: The ordering of c, posix, and cposix is a guess and almost
?X: certainly wrong on about half of all systems.
?X:
?X: Set proper libswanted in your private Myinit.U if needed.
?X:
?X:: default ordered library list
?X:libswanted='net socket inet bind nsl nm sdbm gdbm ndbm dbm malloc dl'
?X:libswanted="$libswanted dld sun m c_s c posix cposix ndir dir ucb"
?X:libswanted="$libswanted bsd BSD PW x"
?X:
?INIT:: default library list
?INIT:libswanted="
?INIT:: some systems want to use only the non-versioned libso:s
?INIT:ignore_versioned_solibs="
?LINT:extern usecbacktrace
?LINT:extern libscheck
?LINT:extern p
?LINT:use uselongdouble
: Looking for optional libraries
echo " "
echo "Checking for optional libraries..." >&4
case "$libs" in
' '|'') dflt='';;
*) dflt="$libs";;
esac
case "$libswanted" in
'') libswanted='c_s';;
esac
?X: libsocks has nasty naming scheme.
?X: This does not work if somebody wants SOCKS 4.
case "$usesocks" in
"$define") libswanted="$libswanted socks5
 socks5_sh" ;;
esac
case "$usecbacktrace" in
"$define") libswanted="$libswanted bfd" ;;
esac
libsfound="
libsfiles="
libsdirs="
libspath="
for thisdir in $libpth $xlibpth; do
 test -d $thisdir && libspath="$libspath $thisdir"
```

```
done
for thislib in $libswanted; do
 for thisdir in $libspath; do
    xxx=''
    if $test ! -f "$xxx" -a "X$ignore_versioned_solibs" = "X"; then
  xxx=`ls $thisdir/lib$thislib.$so.[0-9] 2>/dev/null|sed -n '$p'`
        $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle=shared
  xxx=`ls $thisdir/lib$thislib.[0-9].$so 2>/dev/null|sed -n '$p'`
        $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle=shared
    fi
    if test ! -f "$xxx"; then
  xxx=$thisdir/lib$thislib.$so$_a
  $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle="import"
    fi
    if test ! -f "$xxx"; then
  xxx=$thisdir/$thislib.$so$_a
  $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle="import"
    fi
    if test ! -f "$xxx";
 then
  xxx=$thisdir/lib$thislib.$so
        $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle=shared
    fi
    if test ! -f "$xxx"; then
  xxx=$thisdir/lib$thislib$_a
        $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle=static
    fi
    if test ! -f "$xxx"; then
  xxx=$thisdir/$thislib$_a
        $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle=static
    fi
    if test ! -f "$xxx"; then
  xxx=$thisdir/lib${thislib}_s$_a
        $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle=static
  $test -f "$xxx" && thislib=${thislib}_s
    fi
    if test ! -f "$xxx"; then
  xxx=$thisdir/Slib$thislib$_a
        $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle=static
```

```
    fi
    if $test -f "$xxx"; then
  case "$libstyle" in
  shared) echo "Found -l$thislib (shared)." ;;
  static) echo "Found -l$thislib." ;;
  *)      echo "Found -l$thislib ($libstyle)." ;;
  esac
  case " $dflt " in
  *"-l$thislib "*);;
  *)
 dflt="$dflt -l$thislib"
    libsfound="$libsfound $xxx"
    yyy=`basename $xxx`
    libsfiles="$libsfiles $yyy"
    yyy=`echo $xxx|$sed -e "s%/$yyy\\$%%"`
    case " $libsdirs " in
    *" $yyy "*) ;;
    *) libsdirs="$libsdirs $yyy" ;;
    esac
    ;;
  esac
  break
    fi
 done
 if $test ! -f "$xxx"; then
    echo "No -l$thislib."
 fi
done
set X $dflt
shift
dflt="$*"
case "$libs" in
") dflt="$dflt";;
*) dflt="$libs";;
esac
case "$dflt" in
' '|") dflt='none';;
esac

$cat <<EOM

In order to compile $package on your machine, a number of libraries
are usually needed.  Include any other special libraries here as well.
Say "none" for none.  The default list is almost always right.
EOM

echo " "
rp="What libraries to use?"
```

```
. ./myread
case "$ans" in
none) libs=' ';;
*) libs="$ans";;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/libs.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: installstyle.U,v 1.2 1999/07/13 14:56:06 doughera Exp $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: installstyle.U,v $
?RCS: Revision 1.2  1999/07/13 14:56:06  doughera
?RCS: Fix dependencies.  Add more comments.
?RCS:
?RCS: Revision 1.1  1999/07/12 17:30:41  doughera
?RCS: Initial revision
?RCS:
?RCS:
?MAKE:installstyle: prefix Myread
?MAKE: -pick add $@ %<
?X: Myread dependence is for dflt.
?S:installstyle:
?S: This variable describes the "style" of the perl installation.
?S: This is intended to be useful for tools that need to
?S: manipulate entire perl
 distributions.  Perl itself doesn't use
?S: this to find its libraries -- the library directories are
?S: stored directly in Config.pm.  Currently, there are only two
?S: styles:  "lib" and "lib/perl5".  The default library locations
?S: (e.g. privlib, sitelib) are either $prefix/lib or
?S: $prefix/lib/perl5.  The former is useful if $prefix is a
?S: directory dedicated to perl (e.g. /opt/perl), while the latter
?S: is useful if $prefix is shared by many packages, e.g. if
?S: $prefix=/usr/local.
?S:
?S: Unfortunately, while this "style" variable is used to set
?S: defaults for all three directory hierarchies (core, vendor, and
```

```
?S: site), there is no guarantee that the same style is actually
?S: appropriate for all those directories.  For example, $prefix
?S: might be /opt/perl, but $siteprefix might be /usr/local.
?S: (Perhaps, in retrospect, the "lib" style should never have been
?S: supported, but it did seem like a nice idea at the time.)
?S:
?S: The situation is even less clear for
 tools such as MakeMaker
?S: that can be used to install additional modules into
?S: non-standard places.  For example, if a user intends to install
?S: a module into a private directory (perhaps by setting PREFIX on
?S: the Makefile.PL command line), then there is no reason to
?S: assume that the Configure-time $installstyle setting will be
?S: relevant for that PREFIX.
?S:
?S: This may later be extended to include other information, so
?S: be careful with pattern-matching on the results.
?S:
?S: For compatibility with perl5.005 and earlier, the default
?S: setting is based on whether or not $prefix contains the string
?S: "perl".
?S:.
: determine installation style
: For now, try to deduce it from prefix unless it is already set.
: Reproduce behavior of 5.005 and earlier, maybe drop that in 5.7.
case "$installstyle" in
") case "$prefix" in
  *perl*) dflt='lib';;
  *) dflt='lib/perl5' ;;
 esac
 ;;
*) dflt="$installstyle" ;;
esac
: Probably not worth prompting for this since we prompt
 for all
: the directories individually, and the prompt would be too long and
: confusing anyway.
installstyle=$dflt
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/installstyle.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Extractall.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extractall.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:00:43  ram
?RCS: patch61: created
?RCS:
?X:
?X: If extraction has been requested, load the configuration file, perform
?X: the extraction and exit.
?X:
?X: This unit was originally a part of Options.U. It had to be removed from
?X: it to prevent a dependency cycle: Extract -> src -> Options -> Extract
?X: The Begin.U unit now requires us before beginning to do anything
?X: interesting, to ensure
 proper semantics. -- RAM, 15/03/96
?X:
?MAKE:Extractall: Extract Options
?MAKE: -pick wipe $@ %<
: extract files and exit if asked to do so
case "$extractsh" in
true)
?X: Undo the forced silent=true when -S was supplied, by probing realsilent
?X: which was set iff -s was also given. See Options.U for details.
 case "$realsilent" in
 true) ;;
 *) exec 1>&4;;
 esac
 case "$config_sh" in
 ") config_sh='config.sh';;
 esac
 echo " "
 echo "Fetching answers from $config_sh..."
 cd ..
 . $config_sh
?X: extract has to be run from the top directory, not within UU.
 . UU/optdef.sh
 echo " "
?X: extract has to be run from the top directory, not within UU.
 . UU/extract
 rm -rf UU
 echo "Extraction done."
 exit 0
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Extractall.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: man3dir.U,v 3.1 1999/07/08 20:52:19 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1996-1999, Andy Dougherty
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: man3dir.U,v $
?RCS: Revision 3.1  1999/07/08 20:52:19  doughera
?RCS: Updated for perl5.005_5x
?RCS:
?RCS: Revision 3.0.1.1  1997/02/28  16:10:34  ram
?RCS: patch61: created
?RCS:
?X: This was originally specific to perl5.  Since perl5 has man pages that
?X: go in both man1/ and man3/ directories, we need both man1dir
?X: and man3dir.  This unit is basically dist's mansrc.U with
?X: man3 used instead
 of man everywhere.
?X: I then added various tests because perl5 has *lots* of man3
?X: pages with long file names. -- ADO
?X:
?MAKE:man3dir man3direxp man3ext installman3dir: cat nroff Loc Oldconfig \
 sed man1dir spackage package Getfile Setprefixvar Prefixit Prefixup \
 d_flexfnam privlib Myread test
?MAKE: -pick add $@ %<
?Y:TOP
?D:man3dir=''
?S:man3dir:
?S: This variable contains the name of the directory in which manual
?S: source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?D:man3direxp=''
?S:man3direxp:
?S: This variable is the same as the man3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
```

```
?S:.
?D:installman3dir="
?S:installman3dir:
?S: This variable is really the same as man3direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man3direxp only
 points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:man3ext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '3'.  The Makefile must supply the '.'.
?S: See man3dir.
?S:.
?T:prog tdflt
?LINT:change prefixvar
?LINT:set man3direxp
: determine where library module manual pages go
set man3dir man3dir none
eval $prefixit
$cat <<EOM

$spackage has manual pages for many of the library modules.
EOM

case "$nroff" in
nroff)
 $cat <<'EOM'
However, you don't have nroff, so they're probably useless to you.
EOM
 case "$man3dir" in
 ") man3dir="none";;
 esac;;
esac

case "$d_flexfnam" in
undef)
 $cat <<'EOM'
However, your system can't handle the long file names like File::Basename.3.
EOM
 case "$man3dir" in
 ") man3dir="none";;
 esac;;
esac

echo "If you don't want the manual sources installed, answer 'none'."
?X: In 5.005_57 and earlier, I had the following notes:
?X:
```

```
 We do not use /usr/local/man/man3 because some man programs will
?X: only show the /usr/local/man/man3 contents, and not the system ones,
?X: thus man less will show the perl module less.pm, but not the system
?X: less command.  We might also conflict with Tcl man pages.
?X: However, something like /opt/perl/man/man3 is fine.
?X:
?X: However, opinion seems to be shifting such that 'man POSIX' ought
?X: to just work.  -- Andy Dougherty  July 8, 1999
?X:
?X: remove any trailing -3.0 or other version indication from $package
prog=`echo $package | $sed 's/-*[0-9.]*$//'`
case "$man3dir" in
") dflt=`echo "$man1dir" | $sed -e 's/man1/man3/g' -e 's/man\.1/man\.3/g'`
 if $test -d "$privlib/man/man3"; then
  cat <<EOM >&4

WARNING:  Previous versions of perl installed man3 pages into
$privlib/man/man3.  This version will suggest a
new default of $dflt.
EOM
  tdflt=$dflt
  dflt='n'
  rp='Do you wish to preserve the old behavior?(y/n)'
  . ./myread
  case "$ans" in
  y*) dflt="$privlib/man/man3"
 ;;
  *)  dflt=$tdflt ;;
  esac
   fi
 ;;
*) dflt="$man3dir" ;;
esac
case "$dflt" in
' ') dflt=none ;;
esac
echo " "
fn=dn+~
rp="Where do the $package library man pages (source) go?"
. ./getfile
prefixvar=man3dir
. ./setprefixvar

case "$man3dir" in
") man3dir=' '
 installman3dir=";;
esac
```

```
: What suffix to use on installed man pages
case "$man3dir" in
' ')
 man3ext='0'
 ;;
*)
 rp="What suffix should be used for the $package library man pages?"
 case "$man3ext" in
 ") case "$man3dir" in
  *3)  dflt=3 ;;
  *3p) dflt=3p ;;
  *3pm) dflt=3pm ;;
  *l) dflt=l;;
  *n) dflt=n;;
  *o) dflt=o;;
  *p) dflt=p;;
  *C) dflt=C;;
  *L) dflt=L;;
  *L3) dflt=L3;;
  *) dflt=3;;
  esac
  ;;
 *) dflt="$man3ext";;
 esac
 . ./myread
 man3ext="$ans"
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/man3dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Oldsym.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Oldsym.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:06:58  ram
?RCS: patch61: added support for src.U
?RCS:
```

```
?RCS: Revision 3.0  1993/08/18  12:05:13  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit follows the creation of the config.sh file. It adds some
?X: special symbols: defines from patchlevel.h file if any and PERL_CONFIG_SH,
?X: which is set to true. Then, we try to keep all the new symbols that
?X: may come from a hint
 file or a previous config.sh file.
?X:
?MAKE:Oldsym: Config_sh cat test hint src sed sort uniq perl_patchlevel
?MAKE: -pick add $@ %<
?T:PERL_CONFIG_SH PERL_PATCHLEVEL sym tmp
?F:!UU
: add special variables
$test -f $src/patchlevel.h && \
awk '/^#define[  ]+PERL_/ {printf "%s=%s\n",$2,$3}' $src/patchlevel.h >>config.sh
echo "PERL_PATCHLEVEL='$perl_patchlevel'" >>config.sh
echo "PERL_CONFIG_SH=true" >>config.sh

: propagate old symbols
if $test -f UU/config.sh; then
?X: Make sure each symbol is unique in oldconfig.sh
 <UU/config.sh $sort | $uniq >UU/oldconfig.sh
?X:
?X: All the symbols that appear twice come only from config.sh (hence the
?X: two config.sh in the command line). These symbols will be removed by
?X: the uniq -u command. The oldsyms file thus contains all the symbols
?X: that did not appear in the produced config.sh (Larry Wall).
?X:
?X: Do not touch the -u flag of uniq.  This means you too, Jarkko.
?X:
 $sed -n 's/^\([a-zA-Z_0-9]*\)=.*/\1/p' \
  config.sh config.sh UU/oldconfig.sh
 |\
  $sort | $uniq -u >UU/oldsyms
 set X `$cat UU/oldsyms`
 shift
 case $# in
 0) ;;
 *)
  $cat <<EOM
Hmm...You had some extra variables I don't know about...I'll try to keep 'em...
EOM
  echo ": Variables propagated from previous config.sh file." >>config.sh
  for sym in `$cat UU/oldsyms`; do
   echo "    Propagating $hint variable "'$'"$sym..."
   eval 'tmp="$'"${sym}"'"'
```

```
  echo "$tmp" | \
   sed -e "s/'/'\''\''/g" -e "s/^/$sym='/" -e "s/$/'/" >>config.sh
 done
 ;;
esac
fi
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Oldsym.U
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Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_prctl.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_class.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_round.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/usemorebits.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_localtime_r.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_longlong.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_acosh.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_lround.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/ebcdic/ebcdic.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_strlcpy.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_lgamma_r.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_getprotby.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_gethostent_r.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_rint.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_sysmode.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/U/perl/d_recvmsg.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_crypt_r.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_unsetenv.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_expm1.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_strtold.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_getservent_r.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_getprotobyname_r.U
*
/opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_ustat.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/usequadmath.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_getcwd.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_tmpnam_r.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_remquo.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_getmntent.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_sethostent_r.U
*
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*
/opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_getnetbyname_r.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_trunc.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_ilogbl.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_getlogin_r.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_getgrent.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_ftello.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_inetpton.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/U/perl/usedefaultstrict.U
*
/opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_drand48_r.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_endprotoent_r.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_readdir_r.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_pthread_y.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_strftime.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/usemultiplicity.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_dlsymun.U
*
/opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_getprotoent_r.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_sitecustomize.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_strlcat.U
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/uselfs.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2000, Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:versiononly: cat Myread Setvar Devel
?MAKE: -pick add $@ %<
?LINT:set versiononly
?Y:TOP
?S:versiononly:
?S: If set, this symbol indicates that only the version-specific
?S: components of a perl installation should be installed.
?S: This may be useful for making a test installation of a new
?S: version without disturbing the existing installation.
?S: Setting versiononly is equivalent to setting installperl's -v option.
?S: In particular, the non-versioned scripts and programs such as
```

```
?S: a2p, c2ph, h2xs, pod2*, and perldoc
 are not installed
?S: (see INSTALL for a more complete list).  Nor are the man
?S: pages installed.
?S: Usually, this is undef.
?S:.
?LINT:extern inc_version_list
?LINT:change inc_version_list
?LINT:extern inc_version_list_init
?LINT:change inc_version_list_init
?LINT:extern version
: determine whether to use a version number suffix for installed binaries
echo " "
$cat <<EOM
Do you want to use a version number suffix for installed binaries? This
will install 'perl$version' instead of 'perl', and likewise for other
binaries like 'perldoc' and 'cpan'. This allows many versions of perl
to be installed side-by-side. Unless you are a developer, you probably
do *not* want to do this.
EOM
case "$versiononly" in
"$define"|[Yy]*|true) dflt='y' ;;
*) dflt='n';
esac
rp="Do you want to use a version number suffix for installed binaries?"
. ./myread
case "$ans" in
[yY]*) val="$define";;
*) val="$undef" ;;
esac
set versiononly
eval $setvar

case "$versiononly" in
"$define") inc_version_list="
        inc_version_list_init=0
       ;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/versiononly.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:sitehtml3dir sitehtml3direxp installsitehtml3dir: Getfile \
 Setprefixvar prefix siteprefix html3dir sed
?MAKE: -pick add $@ %<
?Y:TOP
?D:sitehtml3dir=''
?S:sitehtml3dir:
?S: This variable contains the name of the directory in which site-specific
?S: library html source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S: The standard distribution will put nothing in this directory.
?S: After
 perl has been installed, users may install their own local
?S: library html pages in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:sitehtml3direxp=''
?S:sitehtml3direxp:
?S: This variable is the same as the sitehtml3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installsitehtml3dir=''
?S:installsitehtml3dir:
?S: This variable is really the same as sitehtml3direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: html3direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installsitehtml3dir
?LINT:set sitehtml3dir
?LINT:set sitehtml3direxp
: determine where add-on library html pages go
: There is no standard location, so try to copy the previously-selected
: directory structure for the core html pages.
case
 "$sitehtml3dir" in
")    dflt=`echo "$html3dir" | $sed "s#^$prefix#$siteprefix#"` ;;
*)     dflt=$sitehtml3dir ;;
esac
case "$dflt" in
```

```
"|' ') dflt=none ;;
esac
fn=dn+~
rp='Pathname where the site-specific library html pages should be installed?'
. ./getfile
prefixvar=sitehtml3dir
. ./setprefixvar
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/sitehtml3dir.U
No license file was found, but licenses were detected in source scan.

```
# $Id: makedir.sh,v 3.0.1.1 1994/01/24 14:00:08 ram Exp ram $
#
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#
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#  as specified in the README file that comes with the distribution.
#  You may reuse parts of this distribution only within the terms of
#  that same Artistic Licence; a copy of which may be found at the root
#  of the source tree for dist 4.0.
#
# Original Author: Larry Wall <lwall@netlabs.com>
#
# $Log: makedir.sh,v $
# Revision 3.0.1.1  1994/01/24  14:00:08  ram
# patch16: changed top ln-style config.sh lookup into test-style one
#
# Revision 3.0  1993/08/18  12:04:38  ram
# Baseline for dist 3.0 netwide release.
#
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/makedir.SH
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: dlsrc.U,v$
?RCS:
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?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: dlext.U,v $
?RCS:
?X:  hpux support thanks to Jeff Okamoto <okamoto@hpcc101.corp.hp.com>
```

```
?X:
?X:  To create a shared library, you must compile ALL source files in the
?X:  library with +z (or possibly +Z if the library is whopping huge),
?X:  then link the library with -b.  Example:
?X:   cc -c +z module_a.c
?X:   cc -c +z module_b.c
?X:   ld -b module_a.o module_b.o -o module.sl
?X:
?MAKE:dlext: \
 Getfile Myread cat usedl so
?MAKE: -pick add $@ %<
?Y:BOTTOM
?S:dlext:
?S: This variable contains the extension that is to be used for the
?S: dynamically loaded modules that perl generates.
?S:.
: Check what extension to use for shared libs
case "$usedl" in
$define|y|true)
 $cat <<
 EOM

On a few systems, the dynamically loaded modules that perl generates and uses
will need a different extension than shared libs. The default will probably
be appropriate.

EOM
 case "$dlext" in
 ") dflt="$so" ;;
 *) dflt="$dlext" ;;
 esac
 rp='What is the extension of dynamically loaded modules'
 . ./myread
 dlext="$ans"
 ;;
*)
 dlext="none"
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/dlext.U
No license file was found, but licenses were detected in source scan.

* Feel free to modify any of this as the need arises. Note, however,

Found in path(s):

* /opt/cola/permits/2333621829_1738133124.5417652/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/metaconfig.html

1.7890 kmod 31+20240202-2ubuntu7.1

1.7890.1 Available under license :

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Version 2.1, February 1999

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installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

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Files:
include/bsd/sys/tree.h
man/fparseln.3bsd
man/tree.3bsd
src/fparseln.c
Copyright:

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Files:
include/bsd/readpassphrase.h
man/readpassphrase.3bsd
man/strlcpy.3bsd
man/strtonum.3bsd
src/arc4random.c
src/arc4random_linux.h
src/arc4random_uniform.c
src/arc4random_unix.h
src/arc4random_win.h
src/closefrom.c
src/freezero.c
src/getentropy_aix.c
src/getentropy_bsd.c
src/getentropy_hpux.c
src/getentropy_hurd.c
src/getentropy_linux.c
src/getentropy_osx.c
src/getentropy_solaris.c
src/getentropy_win.c
src/readpassphrase.c
src/reallocarray.c
src/recallocarray.c
src/strlcat.c
src/strlcpy.c
test/explicit_bzero.c
test/strtonum.c
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PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS
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src/setproctitle.c
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Copyright 2012 Guillem Jover <guillem@hadrons.org>
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Files:
src/explicit_bzero.c
src/chacha_private.h
Copyright:
None
License: public-domain
Public domain.

Files:
man/mdX.3bsd
Copyright:
None
License: Beerware
"THE BEER-WARE LICENSE" (Revision 42):
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can do whatever you want with this stuff. If we meet some day, and you think
this stuff is worth it, you can buy me a beer in return. Poul-Henning Kamp

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1.7892 sqlite 3.45.1-1ubuntu2.1

1.7892.1 Available under license :

No license file was found, but licenses were detected in source scan.

without a shared lock, other processes are free to modify the database

Found in path(s):
* /opt/cola/permits/2333621758_1740114605.902578/0/sqlite3-3-45-1-orig-www-tar-xz/www/atomiccommit.html
No license file was found, but licenses were detected in source scan.

Suppose the demo_data.boundary field holds some proprietary data description

Found in path(s):
* /opt/cola/permits/2333621758_1740114605.902578/0/sqlite3-3-45-1-orig-www-tar-xz/www/rtree.html
No license file was found, but licenses were detected in source scan.

<h2>Proprietary SQLite Extensions</h2>
public domain. But there also exist
proprietary, licensed extensions to SQLite.

Found in path(s):
* /opt/cola/permits/2333621758_1740114605.902578/0/sqlite3-3-45-1-orig-www-tar-xz/www/support.html
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public domain.

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* /opt/cola/permits/2333621758_1740114605.902578/0/sqlite3-3-45-1-orig-www-tar-xz/www/changes.html
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<html>
<head>
<title>SQLite Consortium Agreement</title>
</head>
<body bgcolor="white">
<h1 align="center">
SQLite Consortium Agreement
</h1>

This SQLite Consortium Agreement ("Agreement") is made and
entered into as of the _____ day of _____, 2007 ("Effective Date")
by and between _____ (the "Company"), and
Hipp, Wyrick & Company, Inc., a Georgia Corporation with
headquarters at 6200 Maple Cove Lane, Charlotte, NC ("Hwaci").

WHEREAS, Hwaci is the developer of a serverless, embeddable, public
domain SQL database engine available at
http://www.sqlite.org/
("SQLite"); and

WHEREAS, Company wishes to support the independent development of
the SQLite database engine to insure the continuing reliability,
vitality, and independence of SQLite, and in connection therewith,
Company wishes to provide funds for ongoing research, development,
and
 maintenance of the SQLite code base, operation of the SQLite
website, protection and maintenance of the SQLite
trademark, as well as for promotion of SQLite at conferences and
trade shows; and

WHEREAS, Company wishes to receive benefits in the form of
services from Hwaci in consideration for their support of SQLite; and

WHEREAS, Company and Hwaci each wish SQLite to be supported and
maintained as an independent, community-driven project, and to
ensure the SQLite development team remains independent.

NOW, THEREFORE, in consideration of the mutual promises contained
herein, the parties agree as follows:

<h2>1.0 Definitions</h2>

<h3>1.1 SQLite Developers</h3>
The "SQLite Developers" are the employees or contractors of Hwaci engaged
in the development of SQLite, including without limitation the
SQLite Architect.

<h3>1.2 SQLite Architect</h3>
The "SQLite Architect" is the SQLite Developer with ultimate
responsibility and authority over changes
and maintenance of the
SQLite code. The current SQLite Architect is the original designer
and developer of SQLite, D. Richard Hipp. Hwaci may change the
SQLite Architect from time to time upon approval by Company.

<h3>1.3 Consortium Member</h3>
A "Consortium Member" is a company or organization, including
but not limited to Company, which has entered into an agreement
with Hwaci which is substantially similar to this Agreement.

<h2>2.0 Agreement<h2>

<h3>2.1 Responsibilities And Obligations Of SQLite Developers</h3>

<h4>2.1.1 General Support</h4>
The SQLite Developers shall provide, without limit,
timely and accurate answers, advice, and instruction
in response to questions and comments from Company about SQLite
submitted by email or by telephone at any time day or night.

<h4>2.1.2 Debugging Support</h4>
The SQLite Developers shall at Company's request provide
Company with direct assistance
in debugging applications that are built upon or use SQLite.
The combined

time for Debugging Support and Custom
Development for Company is limited to 330 hours per year.

<h4>2.1.3 Custom Development</h4>
The SQLite Developers shall at the request of Company
write new extensions or enhancements
to SQLite according to Company's specifications. These extensions
and enhancements may be proprietary to Company or open source or
with the consent of both Company and the SQLite Architect may
be folded into the public domain SQLite source tree.
The time devoted to Custom Development for Company is limited 220 hours
per year.

<h4>2.1.4 Custom Builds</h4>
The SQLite Developers shall at Company's request provide Company
with specialized builds of SQLite according to Company's specifications.

<h4>2.1.5 Legacy Support</h4>
The SQLite Developers shall at Company's request provide support
and bug-fix patches for any historical version of SQLite.

<h4>2.1.6 Custom Testing</h4>
The SQLite Developers shall at Company's request set up and
run
acceptance tests according Company's specifications that are specifically
designed to exercise SQLite as configured and used by Company.
These acceptance tests shall be run and shall pass prior to any release
of SQLite.

<h4>2.1.7 Priority Bug Fixes</h4>
The SQLite Developers shall assign highest priority to fixing bugs
in SQLite that are reported by Company or in which Company has
expressed a specific interest.

<h4>2.1.8 Code Quality</h4>
The SQLite Developers shall at all times keep the SQLite source
code well commented and documented and clearly structured and
organized so that an experienced and competent programmer can
understand it and support it after no more than a few months of study.

<h4>2.1.9 Backwards Compatibility</h4>

The SQLite Developers recognize that Company uses SQLite
in mission-critical applications and therefore shall work diligently
to ensure continuing bug-free correct operation and backwards
compatibility with prior releases.

<h4>2.1.10
Test Coverage</h4>
The SQLite Developers shall maintain the SQLite test suite such
that no less than 95% source code coverage is provided.

<h4>2.1.11 Website</h4>
The SQLite Developers shall maintain the SQLite website at
http://www.sqlite.org/
in good working order and all SQLite source code shall
be made freely available at such website.

<h3>2.2 Responsibilities And Obligations Of The SQLite Architect</h3>

<h4>2.2.1 Private Briefings</h4>
The SQLite Architect shall, at the request of Company,
provide Company with private notification and briefings
of any new bugs or new features in SQLite that might
effect Company's products.

<h4>2.2.2 Direction</h4>
The SQLite Architect shall coordinate the activities of SQLite
Developers and shall publish from time to time a roadmap of
proposed future changes and enhancements to SQLite.

<h4>2.2.3 Oversight</h4>
The SQLite Architect shall personally
review all changes to
the SQLite Source Code and take responsibility for the quality
and correctness of those changes.

<h4>2.2.4 Continuity</h4>
The initial SQLite Architect shall be the original developer
of SQLite, D. Richard Hipp. The role of SQLite Architect shall
not be assigned to another during the term of this Agreement except
due to the disability of Dr. Hipp and with approval of Company.

<h3>2.3 Responsibilities And Obligations Of Hwaci</h3>

<h4>2.3.1 Employer</h4>
Hwaci shall act as the employer of the SQLite Developers and
SQLite Architect and shall make all tax and legal filings
and tax withholding required by employers. Hwaci shall provide
Company with W-9 information upon request.

<h4>2.3.2 Responsible Party</h4>
All obligations of the SQLite Developers set forth in this
agreement are deemed obligations of Hwaci. Hwaci shall recruit,
employ, and supervise SQLite Developers in such a way that the
responsibilities and obligations of the SQLite
 Developers set
forth in this agreement are upheld.

<h4>2.3.3 Multiple Developers</h4>
Hwaci shall recruit and employ as many SQLite Developers for as
many hours as can be reasonably achieved using the funds received
from Consortium Members under this agreement.
So that support for SQLite will not be interrupted by the
disability or withdrawal of any one SQLite Developer, Hwaci will
keep at least two knowledgeable and competent SQLite Developers
on staff.

<h4>2.3.4 Mentorship</h4>
Hwaci shall work to encourage independent
programmers from around the world
to become familiar with SQLite internals so that there will be a
pool of talent able to support SQLite in the future.

<h4>2.3.5 Audits</h4>
Hwaci shall keep and maintain complete and accurate records
of the use of development funds provided by Company
and shall allow Company, or its representative, a certified
public accountant mutually acceptable to Hwaci and Company,
during office hours and at reasonable
 intervals, no more than
once every 12 months, to inspect and make extracts or copies
of such records solely for the purpose of ascertaining Hwaci's
compliance with the objectives and requirements of this agreement.

<h4>2.3.6 Disaster Planning</h4>
Hwaci shall maintain backup copies of all

SQLite source files and documentation, current and historical,
at least two separate locations separated from each
other and from the primary on-line SQLite repository
by at least 400 kilometers.

<h4>2.3.7 Trademark</h4>
Hwaci shall maintain ownership of the SQLite trademark and
the sqlite.org domain name and shall purchase bandwidth and
server space for the
http://www.sqlite.org/ website.

<h4>2.3.8 No Take-overs or Buy-outs</h4>
Neither Hwaci nor the SQLite Architect shall relinquish development
control of SQLite during the term of this Agreement, by acquisition or merger
or by any other means,
except with the consent of Company.

<h4>2.3.9
New Consortium Members</h4>
New Consortium Members may be accepted into the consortium from
time to time under identical terms as this agreement, or under
substantially similar terms that have been approved by existing
Consortium Members.

<h4>2.3.10 Adequate Staff</h4>
Hwaci shall recruit and employ a sufficient number of qualified
SQLite Developers to easily cover all custom development,
debugging, and general support service obligations for all
Consortium Members while still providing ample time for
the SQLite Developers to engage in general maintenance
and extension of SQLite.

<h4>2.3.11 Use Of Funds</h4>
Hwaci shall use the funds provided hereunder
solely for the development and maintenance of SQLite as set forth in
this Agreement.
Interest on funds received in advance and held in trust will
be reinvested and used for the same purposes as the principal.

<h3>2.4 Responsibilities And Obligations Of Company</h3>

<h4>2.4.1 Funding</h4>
Company

shall provide funding for the ongoing support and
maintenance of SQLite as set forth in section 3.0 "Fees".

<h4>2.4.2 Copyright Disclaimer</h4>
Company acknowledges that SQLite source code and documentation
published on the SQLite website
is in the public domain and that nothing in this agreement shall change
that fact.

<h2>3.0 Fees</h2>

In consideration of the performance
by Hwaci, the SQLite Developers, and the SQLite Architect
of the obligations described herein,
Company shall pay Hwaci at least US $75,000 per year in advance
either annually, quarterly, or monthly, at Company's discretion.

<h2>4.0 Confidentiality</h2>

<h3>4.1 Definition of Confidential Information</h3>

"Confidential Information" means any Company proprietary information,
technical data, trade secrets or know-how, including, but not limited to,
research, product plans, products, services, customers, customer lists,
markets, software, developments,
inventions, processes, formulas,
technology, designs, drawings, engineering, hardware configuration
information, marketing, finances or other business information
disclosed by Company either directly or indirectly in writing,
orally or by drawings or inspection of parts or equipment.

<h3>4.2 Non-Use and Non-Disclosure.</h3>

Hwaci shall not, during or subsequent to the term of this Agreement,
use Company's Confidential Information for any purpose whatsoever
other than the performance of the Services or disclose
Company's Confidential Information to any third party. The parties
acknowledge that Confidential Information will remain the sole
property of Company. Hwaci shall take all reasonable precautions
to prevent any unauthorized disclosure of Confidential Information
including, but not limited to, having each employee or
consultant of Hwaci, if any, with access to any
Confidential Information, execute a nondisclosure agreement
containing provisions in Company's
favor substantially similar
to this Agreement. Confidential Information does not include

information that: (i) is known to Hwaci at the time of
disclosure to Hwaci by Company as evidenced by written
records of Hwaci; (ii) has become publicly known and made
generally available through no wrongful act of Hwaci; or
(iii) has been received by Hwaci from a third party who is
authorized to make such disclosure.

<h4>4.2.1 Disclosure Required by Law</h4>
In the event any Confidential Information is required to be disclosed
by Hwaci under the terms of a valid and effective subpoena or order
issued by a court of competent jurisdiction, or by a demand or
information request from an executive or administrative agency
or other governmental authority, Hwaci shall, unless prohibited
by the terms of a subpoena, order, or demand, promptly notify
Company of the existence, terms and circumstances surrounding
such demand or request, shall consult with Company on the
advisability of taking
legally available steps to resist
or narrow such demand or request, and, if disclosure of
such Confidential Information is required, shall exercise
its reasonable best efforts to narrow the scope of disclosure
and obtain an order or other reliable assurance that
confidential treatment will be accorded to such
Confidential Information. To the extent that Hwaci
is prohibited from notifying Company of a subpoena,
order or demand, by the terms of same, Hwaci shall exercise
its reasonable efforts to narrow the scope of disclosure.

<h3>4.3 Return of Materials.</h3>

Upon the termination of this Agreement, or upon Company's
earlier request, Hwaci shall deliver to Company all of
Company's property or Confidential Information that Hwaci
may have in Hwaci's possession or control.

<h2>5.0 Intellectual Property</h2>

<h3>5.1 No Assignment</h3>

Company acknowledges that all copyrightable material, notes,
records, drawings, designs, inventions, improvements, developments,

discoveries and trade secrets made, generated, conceived, or
reduced to practice by Hwaci related to SQLite
will remain the property of Hwaci. Nothing in this Agreement
will be construed to transfer any intellectual property right
of Hwaci to Company.

<h3>5.2 Availability and Public Domain Dedication</h3>

The SQLite Developers and Hwaci shall,
subject to their discretion as to the quality
and suitability of the SQLite source code and documentation
for public release, make
the SQLite source code and documentation
publicly available as downloadable files
and make a public statement ceding all intellectual
property rights, including but not limited to copyright
and patent rights, in the SQLite source code and documentation
to the public domain.
To the extent that the SQLite Developers and Hwaci
elect not to release the SQLite
source code and documentation
publicly, they shall provide copies thereof to
Company and hereby grants to Company, under all of the
SQLite
Developers' and Hwaci's
rights
including but not limited to copyright and patent rights,
in and to the SQLite source code and documentation,
perpetual, irrevocable,
worldwide, non-exclusive, sublicenseable license to use,
copy, prepare derivative works of, publicly perform and
display the SQLite source code and documentation
and derivative works thereof.

<h3>5.3 Trademark</h3>

Hwaci shall use the name "SQLite" only to apply to the
publicly available project known by such name as of the
Effective Date. Hwaci may in its discretion file such
trademark applications or registrations as it deems
appropriate to protect or record its rights therein,
and may set such policies as it deems appropriate for
licensing the use of the trademark.

<h2>6.0 Representations And Warranties</h3>

<h3>6.1 Intellectual Property Clearances.</h3>

Hwaci hereby represents and warrants that Hwaci shall
enter into agreements with the SQLite Developers sufficient
to enable Hwaci to undertake
the obligations of Section 5.

<h3>6.2 Disclaimer.</h3>

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<h2>7.0 Term And Termination</h2>

<h3>7.1 Term.</h3>

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<h3>7.2 Termination.</h3>

If either party materially defaults in the
 performance
of any of its material obligations hereunder and if any
such default is not corrected within 30 days after notice
in writing, then the non-defaulting party, at its option,
may, in addition to any other remedies it may have, thereupon
terminate this Agreement by giving written notice of
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<h2>8. Miscellaneous</h2>

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Hwaci's services are substantial consideration for the
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Agreement nor any rights under this Agreement may be
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actual delivery in person, three business days after
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above, or one day after
delivery to an overnight air courier service.

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Any waiver of the provisions of this Agreement or
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under this Agreement or that such party is entitled by
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If any term, condition, or provision in this Agreement
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any extent, the parties shall

endeavor in good faith
to agree to such amendments that will preserve, as far
as possible, the intentions expressed in this Agreement.
If the parties fail to agree on such an amendment,
such invalid term, condition or provision will be
severed from the remaining terms, conditions and
provisions, which will continue to be valid and
enforceable to the fullest extent permitted by law.

<h3>8.5 Integration.</h3>

This Agreement contains the entire agreement of the
parties with respect to the subject matter of this
Agreement and supersedes all previous communications,
representations, understandings and agreements,
either oral or written, between the parties with
respect to said subject matter. This Agreement
may not be amended, except by a writing signed by both parties.

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This Agreement may be executed in counterparts,
each of which so executed will be deemed to be an
original and such counterparts together will constitute
one and
the same agreement.

<h3>8.7 Governing Law.</h3>

This Agreement will be interpreted and construed in
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<h2>9.0 Signatures</h2>

The parties have executed this Agreement below to
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<tr><td valign="top">
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Print Name:<hr>

Title:<hr>

</td><td
 width="10%"></td>
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COMPANY
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Signature:

</td><td valign="top" align="left">
Date:
</td></tr>
<td colspan=2>
Name
 (printed):
</td>
</tr>
</table>
</body>
</html>

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1.7893 nghttp2 1.59.0-1ubuntu0.2

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1.7894 gorilla-mux 1.8.1

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1.7895 gorilla-websocket 1.5.3

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1.7896 systemd 255.4-1ubuntu8.5

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1.7898 libudev 255.4-1ubuntu8.5

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src/udev/mtd_probe/probe_smartmedia.c
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src/udev/scsi_id/scsi_id.c
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1.7899 perl-base 5.38.2-3.2build2.1

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?RCS: Revision 3.0.1.1  1994/10/31  09:45:59  ram
?RCS: patch44: removed Options from MAKE to prevent Init overrides
?RCS: patch44: option processing now done after Myinit thanks to new Begin.U
?RCS: patch44: moved "Beginning of configuration questions" to Begin.U
?RCS: patch44: moved signal trapping instruction to Begin.U as well
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:02  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This file
 initializes certain default variables used by Configure.  They
?X: may be overridden or added to by definitions in Myinit.U.
?X:
?MAKE:Init eunicefix: Null
?MAKE: -pick add $@ %<
?MAKE: -pick weed $@ ./Init
?S:eunicefix:
?S: When running under Eunice this variable contains a command which will
?S: convert a shell script to the proper form of text file for it to be
?S: executable by the shell.  On other systems it is a no-op.
?S:.
?V:define undef smallmach:rmlist
?X:
?X: Throughout the units, one may make use of $define and $undef to reference
?X: a defined symbol or an undefined one. There is no need to add them in
?X: the dependency line since this unit makes them visible via ?V:, and
?X: everyone inherits from those symbols since by convention Init.U is the
?X: root dependency.
?X:
?LINT:extern DJGPP
?LINT:extern _exe
?LINT:change _exe
?LINT:extern is_os2
: Detect odd OSs
define='define'
undef='undef'
smallmach='pdp11 i8086 z8000 i80286 iAPX286'
rmlist=''

: We must find out about
```

```
 Eunice early
eunicefix=':'
if test -f /etc/unixtovms; then
 eunicefix=/etc/unixtovms
fi
if test -f /etc/unixtovms.exe; then
 eunicefix=/etc/unixtovms.exe
fi

: Set executable suffix now -- needed before hints available
if test -f "/libs/version.library"; then
: Amiga OS
   _exe=""
elif test -f "/system/gnu_library/bin/ar.pm"; then
: Stratus VOS
   _exe=".pm"
elif test -n "$DJGPP"; then
: DOS DJGPP
   _exe=".exe"
elif test -f /kern/cookiejar; then
: MiNT
   _exe=""
elif test -d c:/. -o -n "$is_os2" ; then
: OS/2 or cygwin
   _exe=".exe"
fi
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Init.U
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```
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?RCS: $Log: manfmt.U,v $
?RCS: Revision 3.0.1.5  1997/02/28  16:11:57  ram
?RCS: patch61: don't ask for AFS when they choose to not install pages
?RCS:
?RCS: Revision 3.0.1.4  1995/09/25  09:16:52  ram
?RCS: patch59: unit is now forced to the top of Configure, if possible
```

```
?RCS:
?RCS: Revision 3.0.1.3  1995/01/30  14:39:20  ram
?RCS: patch49: new installmanfmt and AFS-lookup for formatted man pages
?RCS: patch49: can now handle installation prefix changes (from WED)
?RCS:
?RCS:
 Revision 3.0.1.2  1994/08/29  16:30:31  ram
?RCS: patch32: now uses installation prefix for default setting
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:09:22  ram
?RCS: patch10: allows for L1 man page extension (WAD)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:13  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:manfmt manfmtexp installmanfmt: Getfile Loc Oldconfig cat manext \
 spackage Prefixit prefixexp Prefixup afs test
?MAKE: -pick add $@ %<
?Y:TOP
?S:manfmt:
?S: This variable contains the name of the directory in which formatted
?S: manual pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command. Note
?S: that you may have to do ~name substitution. Use manfmtexp otherwise.
?S:.
?S:manfmtexp:
?S: This is the same as the manfmt variable, but is filename expanded
?S: at configuration time, for programs not willing to deal with it at
?S: run-time.
?S:.
?S:installmanfmt:
?S: This variable is really
 the same as manfmtexp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: mansrcexp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change manext
?T:lookpath
: determine where manual pages go
set manfmt manfmt
eval $prefixit
$cat <<EOM

$spackage has pre-formatted manual pages.  If you don't want these installed,
answer 'none' to the next question.

EOM
```

```
case "$manfmt" in
")
 lookpath="$prefixexp/catman/man1 $prefixexp/man/cat1"
 lookpath="$lookpath $prefixexp/catman/u_man/man1"
 lookpath="$lookpath $prefixexp/catman/l_man/man1"
 lookpath="$lookpath $prefixexp/catman/cat1 /usr/catman/local/man1"
 lookpath="$lookpath /usr/catman/manl /usr/man/cat1"
 lookpath="$lookpath /usr/catman/mann /usr/catman/l_man/man1"
 lookpath="$lookpath /usr/catman/u_man/man1 /usr/catman/man1"
 dflt=`./loc . none $lookpath`
 set dflt
 eval $prefixup
 ;;
*)  dflt="$manfmt"
 ;;
esac
fn=dn~
rp='Where
 do pre-formatted manual pages go?'
. ./getfile
if test "X$manfmtexp" != "X$ansexp"; then
 installmanfmt=''
fi
manfmt="$ans"
manfmtexp="$ansexp"
if $afs && $test "$manfmt"; then
 $cat <<EOM

Since you are running AFS, I need to distinguish the directory in which
manual pages reside from the directory in which they are installed (and from
which they are presumably copied to the former directory by occult means).

EOM
 case "$installmanfmt" in
 '') dflt=`echo $manfmtexp | sed 's#^/afs/#/afs/.#'`;;
 *) dflt="$installmanfmt";;
 esac
 fn=de~
 rp='Where will pre-formatted man pages be installed?'
 . ./getfile
 installmanfmt="$ans"
else
 installmanfmt="$manfmtexp"
fi

case "$manfmt" in
'') manext='0';;
*l) manext=l;;
```

```
*n) manext=n;;
*o) manext=l;;
*p) manext=n;;
*C) manext=C;;
*L) manext=L;;
*L1) manext=L1;;
*) manext=1;;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/manfmt.U
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```
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: html1dir.U,v $
?RCS:
?MAKE:html1dir html1direxp installhtml1dir: cat Loc Myread \
 spackage test Getfile Setprefixvar Prefixit Prefixup
?MAKE: -pick add $@ %<
?Y:TOP
?D:html1dir="
?S:html1dir:
?S: This variable contains the name of the directory in which html
?S: source pages are to be put.  This directory is for pages
?S: that describe whole programs, not libraries or modules.  It
?S: is intended to correspond roughly to section 1 of the Unix
?S: manuals.
?S:.
?D:html1direxp="
?S:html1direxp:
?S: This
 variable is the same as the html1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installhtml1dir="
?S:installhtml1dir:
?S: This variable is really the same as html1direxp, unless you are
?S: using a different installprefix.  For extra portability, you
```

```
?S: should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set html1direxp
?LINT:set installhtml1dir
: determine where html pages for programs go
set html1dir html1dir none
eval $prefixit
$cat <<EOM

If you wish to install html files for programs in $spackage, indicate
the appropriate directory here.  To skip installing html files,
answer "none".
EOM
case "$html1dir" in
"|none|$undef|' ') dflt=none ;;
*) dflt=$html1dir ;;
esac
fn=dn+~
rp="Directory for the main $spackage html pages?"
. ./getfile
prefixvar=html1dir
. ./setprefixvar
: Use ' ' for none so value is preserved next time through Configure
$test X"$html1dir" = "X" && html1dir=' '

Found
 in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: man3dir.U,v $
?RCS: Revision 3.1  1999/07/08 20:52:19  doughera
?RCS: Updated for perl5.005_5x
?RCS:
?RCS: Revision 3.0.1.1  1997/02/28  16:10:34  ram
```

```
?RCS: patch61: created
?RCS:
?X: This was originally specific to perl5.  Since perl5 has man pages that
?X: go in both man1/ and man3/ directories, we need both man1dir
?X: and man3dir.  This unit is basically dist's mansrc.U with
?X: man3 used instead
 of man everywhere.
?X: I then added various tests because perl5 has *lots* of man3
?X: pages with long file names. -- ADO
?X:
?MAKE:man3dir man3direxp man3ext installman3dir: cat nroff Loc Oldconfig \
 sed man1dir spackage package Getfile Setprefixvar Prefixit Prefixup \
 d_flexfnam privlib Myread test
?MAKE: -pick add $@ %<
?Y:TOP
?D:man3dir=''
?S:man3dir:
?S: This variable contains the name of the directory in which manual
?S: source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?D:man3direxp=''
?S:man3direxp:
?S: This variable is the same as the man3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installman3dir=''
?S:installman3dir:
?S: This variable is really the same as man3direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man3direxp only
 points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:man3ext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '3'.  The Makefile must supply the '.'.
?S: See man3dir.
?S:.
?T:prog tdflt
?LINT:change prefixvar
?LINT:set man3direxp
: determine where library module manual pages go
set man3dir man3dir none
eval $prefixit
$cat <<EOM
```

```
$spackage has manual pages for many of the library modules.
EOM

case "$nroff" in
nroff)
 $cat <<'EOM'
However, you don't have nroff, so they're probably useless to you.
EOM
 case "$man3dir" in
 ") man3dir="none";;
 esac;;
esac

case "$d_flexfnam" in
undef)
 $cat <<'EOM'
However, your system can't handle the long file names like File::Basename.3.
EOM
 case "$man3dir" in
 ") man3dir="none";;
 esac;;
esac

echo "If you don't want the manual sources installed, answer 'none'."
?X: In 5.005_57 and earlier, I had the following notes:
?X:
 We do not use /usr/local/man/man3 because some man programs will
?X: only show the /usr/local/man/man3 contents, and not the system ones,
?X: thus man less will show the perl module less.pm, but not the system
?X: less command.  We might also conflict with Tcl man pages.
?X: However, something like /opt/perl/man/man3 is fine.
?X:
?X: However, opinion seems to be shifting such that 'man POSIX' ought
?X: to just work.  -- Andy Dougherty  July 8, 1999
?X:
?X: remove any trailing -3.0 or other version indication from $package
prog=`echo $package | $sed 's/-*[0-9.]*$//'`
case "$man3dir" in
") dflt=`echo "$man1dir" | $sed -e 's/man1/man3/g' -e 's/man\.1/man\.3/g'`
 if $test -d "$privlib/man/man3"; then
  cat <<EOM >&4

WARNING:  Previous versions of perl installed man3 pages into
$privlib/man/man3.  This version will suggest a
new default of $dflt.
EOM
  tdflt=$dflt
  dflt='n'
```

```
  rp='Do you wish to preserve the old behavior?(y/n)'
  . ./myread
  case "$ans" in
  y*) dflt="$privlib/man/man3"
 ;;
  *)  dflt=$tdflt ;;
  esac
   fi
 ;;
*) dflt="$man3dir" ;;
esac
case "$dflt" in
' ') dflt=none ;;
esac
echo " "
fn=dn+~
rp="Where do the $package library man pages (source) go?"
. ./getfile
prefixvar=man3dir
. ./setprefixvar

case "$man3dir" in
") man3dir=' '
 installman3dir=";;
esac

: What suffix to use on installed man pages
case "$man3dir" in
' ')
 man3ext='0'
 ;;
*)
 rp="What suffix should be used for the $package library man pages?"
 case "$man3ext" in
 ") case "$man3dir" in
  *3)  dflt=3 ;;
  *3p) dflt=3p ;;
  *3pm) dflt=3pm ;;
  *l) dflt=l;;
  *n) dflt=n;;
  *o) dflt=o;;
  *p) dflt=p;;
  *C) dflt=C;;
  *L) dflt=L;;
  *L3) dflt=L3;;
  *) dflt=3;;
  esac
  ;;
```

```
 *) dflt="$man3ext";;
 esac
 . ./myread
 man3ext="$ans"
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/man3dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Setprefixvar.U,v 3.0 2006/04/01 17:25:29 hmbrand $
?RCS:
?RCS: Copyright (c) 2006-2006, H.Merijn Brand & Nicholas Clark
?RCS:
?RCS: This file is included with or a derivative work of a file included
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.
?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS:
?RCS:   You may distribute under the terms of either the GNU General Public
?RCS:   License or the Artistic License, as specified in the README file.
?RCS:
?X:
?X: This unit sets up the scripts installprefix and setprefixvar, so code
?X: in other parts can be more simple and maintainable
?X:
?MAKE:Setprefixvar: Myread Getfile startsh eunicefix test \
 prefix prefixexp installprefix installprefixexp
?MAKE: -pick add $@ %<
?LINT:extern prefixvar
?X: metalint still sees "`\$${prefixvar}exp`" as variable :(
?T:prefixvarexp
?F:./setprefixvar
?F:./installprefix
: Perform
 the prefixexp/installprefixexp correction if necessary
cat <<EOS >installprefix
$startsh
EOS
cat <<'EOSC' >>installprefix
: Change installation prefix, if necessary.
if $test X"$prefix" != X"$installprefix"; then
   eval "install${prefixvar}=\`echo \$${prefixvar}exp | sed \"s#^\$prefixexp#\$installprefixexp#\"\`"
else
   eval "install${prefixvar}=\"\$${prefixvar}exp\""
fi
EOSC
```

```
chmod +x installprefix
$eunicefix installprefix

: Set variables such as privlib and privlibexp from the output of ./getfile
: performing the prefixexp/installprefixexp correction if necessary.
cat <<EOS >setprefixvar
$startsh
EOS
cat <<'EOSC' >>setprefixvar
eval "${prefixvar}=\"\$ans\""
eval "${prefixvar}exp=\"\$ansexp\""
. ./installprefix
EOSC
chmod +x setprefixvar
$eunicefix setprefixvar
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/Setprefixvar.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: h_sysfile.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: h_sysfile.U,v $
?RCS: Revision 3.0  1993/08/18  12:08:13  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:h_sysfile: Nothing
?MAKE: -pick add $@ %<
?S:h_sysfile:
?S: This is variable gets set in various places to tell i_sys_file that
?S: <sys/file.h> should be included.
?S:.
: Initialize h_sysfile
h_sysfile=false
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/h_sysfile.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Finish.U,v $
?RCS: Revision 3.0.1.6  1995/02/15  14:09:30  ram
?RCS: patch51: now clearer about how to edit config.sh at the prompt (WED)
?RCS:
?RCS: Revision 3.0.1.5  1994/10/29  15:53:14  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0.1.4  1994/05/06  14:19:37  ram
?RCS: patch23: added blank lines around 'End of Configure'
?RCS:
?RCS: Revision 3.0.1.3  1993/10/16  13:46:09  ram
?RCS: patch12: replaced Config_h by Magic_h in the dependency line
?RCS:
?RCS:
 Revision 3.0.1.2  1993/09/13  15:45:26  ram
?RCS: patch10: fixed shell evaluation w/o shell escape while in silent mode
?RCS:
?RCS: Revision 3.0.1.1  1993/08/30  08:55:59  ram
?RCS: patch8: prevents myread from blocking on empty answers, exceptionally
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:55  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit is the very last one in the Configure script.  It runs all the
?X: SH files, which among other things produce config.h and (usually) Makefile.
?X: It offers to do a make depend if the Makefile contains that target.
?X:
?MAKE:Finish: Chk_MANI Extract Myread Oldsym Magic_h cat rm contains \
 test package make
?MAKE: -pick add $@ %<
?F:!config.sh
?T:pwd
: Finish up by extracting the .SH files
case "$alldone" in
exit)
```

```
?X: They supplied the -E switch
 echo "Stopping at your request, leaving temporary files around."
 exit 0
 ;;
cont)
 ;;
")
 dflt="
 nostick=true
 $cat <<EOM

If you'd like to make any changes to the config.sh
 file before I begin
to configure things, do it as a shell escape now (e.g. !vi config.sh).

EOM
 rp="Press return or use a shell escape to edit config.sh:"
 . UU/myread
 nostick="
 case "$ans" in
 ") ;;
 *) : in case they cannot read
  sh 1>&4 -c "$ans";;
 esac
 ;;
esac

: if this fails, just run all the .SH files by hand
. ./config.sh

?X:
?X: Turn silent mode off from now on (we want a verbose file extraction).
?X: This means we have to explicitly test for '$silent' from now on to
?X: strip off any verbose messages.
?X:
echo " "
exec 1>&4
pwd=`pwd`
. ./UU/extract
cd "$pwd"

if $contains '^depend:' [Mm]akefile >/dev/null 2>&1; then
 dflt=y
 case "$silent" in
 true) ;;
 *)
  $cat <<EOM
```

```
Now you need to generate make dependencies by running "$make depend".
You might prefer to run it in background: "$make depend > makedepend.out &"
It can take a while, so you might not want to run it right now.

EOM
  ;;
 esac
 rp="Run $make depend now?"
 . UU/myread
 case "$ans" in
 y*)
  $make depend
 && echo "Now you must run '$make'."
  ;;
 *)
  echo "You must run '$make depend' then '$make'."
  ;;
 esac
elif test -f [Mm]akefile; then
 echo " "
 echo "Now you must run a $make."
else
 echo "Configure done."
fi

if $test -f Policy.sh; then
   $cat <<EOM

If you compile $package on a different machine or from a different object
directory, copy the Policy.sh file from this object directory to the
new one before you run Configure -- this will help you with most of
the policy defaults.

EOM
fi
if $test -f UU/config.msg; then
   echo "Hmm.  I also noted the following information while running:"
   echo " "
   $cat UU/config.msg >&4
fi
?X:
?X: kit*isdone files are left over by shell archives built using the makedist
?X: script which comes from dist, while ark*isdone files are left over by
?X: the cshar archive maker.
?X:
$rm -f kit*isdone ark*isdone
$rm -rf UU
```

```
: End of Configure

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Finish.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: contains.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: contains.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:35  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:contains: Nothing
?MAKE: -pick add $@ %<
?S:contains:
?S: This variable holds the command to do a grep with a proper return
?S: status.  On most sane systems it is simply "grep".  On insane systems
?S: it is a grep followed by a cat followed by a test.  This variable
?S: is primarily for the use of other Configure units.
?S:.
: Some
 greps do not return status, grrr.
echo "grimblepritz" >grimble
if grep blurfldyick grimble >/dev/null 2>&1 ; then
 contains=contains
elif grep grimblepritz grimble >/dev/null 2>&1 ; then
 contains=grep
else
 contains=contains
fi
rm -f grimble
: the following should work in any shell
case "$contains" in
contains*)
 echo " " >&4
 echo "AGH!  Grep doesn't return a status.  Attempting remedial action." >&4
 cat >contains <<'EOSS'
grep "$1" "$2" >.greptmp && cat .greptmp && test -s .greptmp
EOSS
```

```
contains=./contains
chmod +x $contains
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/contains.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libs.U,v 3.0.1.6 1997/02/28 16:09:11 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: libs.U,v $
?RCS: Revision 3.0.1.6  1997/02/28  16:09:11  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.5  1995/07/25  14:12:05  ram
?RCS: patch56: now knows about OS/2 platforms
?RCS:
?RCS: Revision 3.0.1.4  1994/10/29  16:24:22  ram
?RCS: patch36: removed old broken thislib/thatlib processing (ADO)
?RCS:
?RCS: Revision 3.0.1.3  1994/06/20  07:05:44  ram
?RCS: patch30: code cleanup with if/elif by ADO and RAM
?RCS: patch30:
 undone patch23 for libswanted default setting
?RCS:
?RCS: Revision 3.0.1.2  1994/05/06  15:08:45  ram
?RCS: patch23: now includes ordered default libswanted variable (ADO)
?RCS: patch23: major cleanup for library lookups (ADO)
?RCS:
?RCS: Revision 3.0.1.1  1993/08/25  14:02:31  ram
?RCS: patch6: added default for libs
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:03  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libs ignore_versioned_solibs libsfound libsfiles libsdirs libspath: \
 test cat Myread Oldconfig Loc libpth package xlibpth so _a \
 usesocks sed uselongdouble
?MAKE: -pick add $@ %<
```

```
?S:libs:
?S: This variable holds the additional libraries we want to use.
?S: It is up to the Makefile to deal with it.  The list can be empty.
?S:.
?S:libsfound:
?S: This variable holds the full pathnames of the libraries
?S: we found and accepted.
?S:.
?S:libsfiles:
?S: This variable holds the filenames aka basenames of the libraries
?S: we found and accepted.
?S:.
?S:libsdirs:
?S: This
 variable holds the directory names aka dirnames of the libraries
?S: we found and accepted, duplicates are removed.
?S:.
?S:libspath:
?S: This variable holds the directory names probed for libraries.
?S:.
?S:ignore_versioned_solibs:
?S: This variable should be non-empty if non-versioned shared
?S: libraries (libfoo.so.x.y) are to be ignored (because they
?S: cannot be linked against).
?S:.
?T:xxx yyy thislib thisdir libswanted libstyle
?D:libs=''
?X:
?X: This order is chosen so that libraries  -lndir, -ldir, -lucb, -lbsd,
?X: -lBSD, -lPW, and -lx only get used if there are unresolved
?X: routines at link time.  Usually, these are backwards compatibility
?X: libraries, and may not be as reliable as the standard c library.
?X:
?X: The -lsocket -linet -lnsl order has been reported to be necessary
?X: for at least one SVR4 implementation.
?X: -lc must proceed -lucb or -lbsd for most Solaris applications.
?X: -lc_s proceeds -lc so we pick up the shared library version, if
?X: it is
 available.
?X:
?X: The ordering of c, posix, and cposix is a guess and almost
?X: certainly wrong on about half of all systems.
?X:
?X: Set proper libswanted in your private Myinit.U if needed.
?X:
?X:: default ordered library list
?X:libswanted='net socket inet bind nsl nm sdbm gdbm ndbm dbm malloc dl'
?X:libswanted="$libswanted dld sun m c_s c posix cposix ndir dir ucb"
```

```
?X:libswanted="$libswanted bsd BSD PW x"
?X:
?INIT:: default library list
?INIT:libswanted="
?INIT:: some systems want to use only the non-versioned libso:s
?INIT:ignore_versioned_solibs="
?LINT:extern usecbacktrace
?LINT:extern libscheck
?LINT:extern p
?LINT:use uselongdouble
: Looking for optional libraries
echo " "
echo "Checking for optional libraries..." >&4
case "$libs" in
' '|'') dflt='';;
*) dflt="$libs";;
esac
case "$libswanted" in
'') libswanted='c_s';;
esac
?X: libsocks has nasty naming scheme.
?X: This does not work if somebody wants SOCKS 4.
case "$usesocks" in
"$define") libswanted="$libswanted socks5
 socks5_sh" ;;
esac
case "$usecbacktrace" in
"$define") libswanted="$libswanted bfd" ;;
esac
libsfound="
libsfiles="
libsdirs="
libspath="
for thisdir in $libpth $xlibpth; do
 test -d $thisdir && libspath="$libspath $thisdir"
done
for thislib in $libswanted; do
 for thisdir in $libspath; do
    xxx=''
    if $test ! -f "$xxx" -a "X$ignore_versioned_solibs" = "X"; then
  xxx=`ls $thisdir/lib$thislib.$so.[0-9] 2>/dev/null|sed -n '$p'`
        $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle=shared
  xxx=`ls $thisdir/lib$thislib.[0-9].$so 2>/dev/null|sed -n '$p'`
        $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle=shared
    fi
    if test ! -f "$xxx"; then
```

```
 xxx=$thisdir/lib$thislib.$so$_a
 $test -f "$xxx" && eval $libscheck
 $test -f "$xxx" && libstyle="import"
   fi
   if test ! -f "$xxx"; then
 xxx=$thisdir/$thislib.$so$_a
 $test -f "$xxx" && eval $libscheck
 $test -f "$xxx" && libstyle="import"
   fi
   if test ! -f "$xxx";
then
 xxx=$thisdir/lib$thislib.$so
       $test -f "$xxx" && eval $libscheck
 $test -f "$xxx" && libstyle=shared
   fi
   if test ! -f "$xxx"; then
 xxx=$thisdir/lib$thislib$_a
       $test -f "$xxx" && eval $libscheck
 $test -f "$xxx" && libstyle=static
   fi
   if test ! -f "$xxx"; then
 xxx=$thisdir/$thislib$_a
       $test -f "$xxx" && eval $libscheck
 $test -f "$xxx" && libstyle=static
   fi
   if test ! -f "$xxx"; then
 xxx=$thisdir/lib${thislib}_s$_a
       $test -f "$xxx" && eval $libscheck
 $test -f "$xxx" && libstyle=static
 $test -f "$xxx" && thislib=${thislib}_s
   fi
   if test ! -f "$xxx"; then
 xxx=$thisdir/Slib$thislib$_a
       $test -f "$xxx" && eval $libscheck
 $test -f "$xxx" && libstyle=static
   fi
   if $test -f "$xxx"; then
 case "$libstyle" in
 shared) echo "Found -l$thislib (shared)." ;;
 static) echo "Found -l$thislib." ;;
 *)      echo "Found -l$thislib ($libstyle)." ;;
 esac
 case " $dflt " in
 *"-l$thislib "*);;
 *)
dflt="$dflt -l$thislib"
   libsfound="$libsfound $xxx"
   yyy=`basename $xxx`
```

```
    libsfiles="$libsfiles $yyy"
    yyy=`echo $xxx|$sed -e "s%/$yyy\\$%%"`
    case " $libsdirs " in
    *" $yyy "*) ;;
    *) libsdirs="$libsdirs $yyy" ;;
    esac
    ;;
  esac
  break
    fi
 done
 if $test ! -f "$xxx"; then
    echo "No -l$thislib."
 fi
done
set X $dflt
shift
dflt="$*"
case "$libs" in
") dflt="$dflt";;
*) dflt="$libs";;
esac
case "$dflt" in
' '|") dflt='none';;
esac

$cat <<EOM

In order to compile $package on your machine, a number of libraries
are usually needed.  Include any other special libraries here as well.
Say "none" for none.  The default list is almost always right.
EOM

echo " "
rp="What libraries to use?"
. ./myread
case "$ans" in
none) libs=' ';;
*) libs="$ans";;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/libs.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: sitebin.U,v $
?RCS:

```
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: sitebin.U,v $
?RCS:
?MAKE:sitebin sitebinexp installsitebin : Getfile Oldconfig \
 Setprefixvar siteprefix
?MAKE: -pick add $@ %<
?Y:TOP
?D:sitebin=''
?S:sitebin:
?S: This variable holds the name of the directory in which the user wants
?S: to put add-on publicly executable files for the package in question.  It
?S: is most often a local directory such as /usr/local/bin. Programs using
?S: this variable must be prepared to deal with ~name substitution.
?S: The standard distribution will put nothing
 in this directory.
?S: After perl has been installed, users may install their own local
?S: executables in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:sitebinexp=''
?S:sitebinexp:
?S: This is the same as the sitebin variable, but is filename expanded at
?S: configuration time, for use in your makefiles.
?S:.
?D:installsitebin=''
?S:installsitebin:
?S: This variable is usually the same as sitebinexp, unless you are on
?S: a system running AFS, in which case they may differ slightly. You
?S: should always use this variable within your makefiles for portability.
?S:.
?LINT:change prefixvar
?LINT:set installsitebin
?LINT:set sitebin
?LINT:set sitebinexp
: determine where add-on public executables go
case "$sitebin" in
'') dflt=$siteprefix/bin ;;
*) dflt=$sitebin ;;
esac
fn=d~
```

```
rp='Pathname where the add-on public executables should be installed?'
. ./getfile
prefixvar=sitebin
. ./setprefixvar
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/sitebin.U
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```
?RCS: $Id: Mkdirp.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extract.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  14:58:52  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  15:51:46  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:52  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a shell script which can launched to create a
?X: directory path like "mkdir -p" would do.
?X:
?MAKE:Mkdirp:
 eunicefix startsh
?MAKE: -pick add $@ %<
?F:./mkdirp
?T:name create file
: script used to emulate mkdir -p
cat >mkdirp <<EOS
$startsh
EOS
cat >>mkdirp <<'EOS'
name=$1;
create="";
while test $name; do
 if test ! -d "$name"; then
```

```
  create="$name $create"
  name=`echo $name | sed -e "s|^[^/]*$||"`
  name=`echo $name | sed -e "s|\(.*\)/.*|\1|"`
 else
  name=""
 fi
done
for file in $create; do
 mkdir $file
done
EOS
chmod +x mkdirp
$eunicefix mkdirp
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Mkdirp.U
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```
?RCS: $Id: Hasproto.U $
?RCS:
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?RCS:
?X: This unit generates a $hasproto string that is used internally
?X: by Configure to check if this system has a prototype for a
?X: particular function
?X:
?X: To use it, say something like:
?X:  set d_getnetent_proto getnetent $i_netdb netdb.h
?X:  eval $hasproto
?X: Or, for more complicated sets of headers, do something like
?X: hdrs="$define sys/types.h
?X:  $i_systime sys/time.h
?X:  $i_sysselct sys/select.h
?X:  $i_netdb netdb.h"
?X: set d_getnetent_proto getnetent $hdrs
?X: eval $hasproto
?X:
?X: There is also an 'escape' hatch built in.  If you have a pair
?X: of args   'literal 'stuff' then 'stuff' gets included literally
?X: into the test program.  See Protochk.U for more details.
?X:
?MAKE:Hasproto:
 Setvar cppstdin cppflags cppminus contains rm_try test
?MAKE: -pick add $@ %<
```

```
?T:func varname
?F:!try.c
?V:hasproto
: Define hasproto macro for Configure internal use
hasproto='varname=$1; func=$2; shift; shift;
while $test $# -ge 2; do
 case "$1" in
 $define) echo "#include <$2>";;
 literal) echo "$2" ;;
 esac ;
   shift 2;
done > try.c;
$cppstdin $cppflags $cppminus < try.c > tryout.c 2>/dev/null;
if $contains "$func.*(" tryout.c >/dev/null 2>&1; then
 echo "$func() prototype found.";
 val="$define";
else
 echo "$func() prototype NOT found.";
 val="$undef";
fi;
set $varname;
eval $setvar;
$rm_try tryout.c'
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/protos/Hasproto.U
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```
?RCS: $Id: shm_for.U 1 2006-08-24 12:32:52Z rmanfredi $
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: shm_for.U,v $
?RCS: Revision 3.0.1.1  1994/10/29  16:28:37  ram
?RCS: patch36: call ./Cppsym explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:46  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:shm_for shm_att shm_lim: Cppsym Myread ipc uname
?MAKE: -pick add $@ %<
```

```
?S:shm_for:
?S: This variable tells us the type of machine we're expecting the
?S: shared memory code to run on.  The value is available to C
 programs
?S: in the C_SHM_FOR manifest.
?S:.
?S:shm_att:
?S: This variable tells us where a shared memory segment should be
?S: attached.  Good values are HIGH, LOW, and ZERO.
?S:.
?S:shm_lim:
?S: This variable tells us if shared memory attached HIGH should
?S: have an upper limit.
?S:.
?X: ----------------------------------------------------------
?X: It's a potential lose to define anything beginning with SHM...
?X: At least we can think that S_ stands for "String version of ..." -- HMS
?X: ----------------------------------------------------------
?C:S_SHM_FOR ~ %<:
?C: This symbol identifies what we chose for the target system's
?C: default shared memory configuration parameters.
?C:.
?C:S_SHM_ATT ~ %<:
?C: This symbol holds the default "place" to attach shared memory.
?C: Values are "HIGH", "ZERO", and "LOW".
?C:.
?C:S_SHM_LIM ~ %<:
?C: This symbol holds the default upper bound address limit if shared
?C: memory is attached HIGH.  If zero, there is no upper limit.
?C:.
?H:?%<:#ifdef
 SERVE_SHM
?H:?%<:#define S_SHM_FOR "$shm_for"
?H:?%<:#define S_SHM_ATT "$shm_att"
?H:?%<:#define S_SHM_LIM "$shm_lim"
?H:?%<:#endif
?H:.
?W:%<:S_SHM_FOR S_SHM_ATT S_SHM_LIM
: see how to attach shared memory
echo " "
echo "Deciding how to attach shared memory..." >&4

case "$ipc" in
shm)
 shm_for='Default case'
 shm_att='HIGH'
 shm_lim='0x0'
 if ./Cppsym tower32 tower32_600; then
```

```
 echo "NCR Towers are usually normal..."
 : echo "Oh, an NCR Tower."
 : This works for the 600
 shm_for='NCR Tower 32'
 shm_att='LOW'
else
 case "$uname" in
 */uname)
  case "`uname -m`" in
  ACS??68*)
   echo "Oh, an Altos 3068."
   shm_for='Altos 3068:'
   shm_lim='0x800000'
   ;;
   esac
   ;;
 *)
  echo "Looks normal to me..."
  ;;
 esac
fi

dflt="$shm_for"
rp='Description of shared memory configuration?'
. ./myread
shm_for="$ans"

dflt="$shm_att"
rp='Where should shared memory be attached?'
. ./myread
shm_att="$ans"

case "$shm_att" in
HIGH)
 dflt="$shm_lim"
 rp='What is
the upper address limit for shared memory?'
 . ./myread
 shm_lim="$ans"
 ;;
*)
 shm_lim="
 ;;
esac
;;

*)
 echo "but you aren't using shared memory so I won't bother." >&4
```

```
 shm_for='NOT CONFIGURED'
 shm_att='NONE'
 shm_lim='-1'
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/shm_for.U
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```
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: usenm.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:26:40  ram
?RCS: patch61: don't use nm with the GNU C library
?RCS: patch61: added support for Linux shared libs
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:57  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:usenm runnm nm_opt nm_so_opt: cat test Myread Oldconfig grep \
 d_gnulibc nm egrep rsrc osname Guess
?MAKE: -pick add $@ %<
?S:usenm:
?S: This variable contains 'true' or 'false' depending whether the
?S: nm extraction is wanted
 or not.
?S:.
?S:runnm:
?S: This variable contains 'true' or 'false' depending whether the
?S: nm extraction should be performed or not, according to the value
?S: of usenm and the flags on the Configure command line.
?S:.
?S:nm_opt:
?S: This variable holds the options that may be necessary for nm.
?S:.
?S:nm_so_opt:
?S: This variable holds the options that may be necessary for nm
?S: to work on a shared library but that can not be used on an
```

```
?S: archive library.  Currently, this is only used by Linux, where
?S: nm --dynamic is *required* to get symbols from an ELF library which
?S: has been stripped, but nm --dynamic is *fatal* on an archive library.
?S: Maybe Linux should just always set usenm=false.
?S:.
: see if nm is to be used to determine whether a symbol is defined or not
?X: If there is enough inquiries, it might be worth to wait for the nm
?X: extraction. Otherwise, the C compilations might be a better deal.
?X:
?X: Don't bother if we're using GNU libc -- skimo
case "$usenm"
 in
")
 dflt="
 case "$d_gnulibc" in
 "$define")
  echo " "
  echo "$nm probably won't work on the GNU C Library." >&4
  dflt=n
  ;;
 esac
 case "$dflt" in
 ")
  if $test "$osname" = aix -a ! -f /lib/syscalls.exp; then
   echo " "
   echo "Whoops!  This is an AIX system without /lib/syscalls.exp!" >&4
   echo "'nm' won't be sufficient on this system." >&4
   dflt=n
  fi
  ;;
 esac
 case "$dflt" in
 ")
  if ./gnu; then
   echo " "
   echo "Hmm...  A GNU system without a GNU C Library?  Weird..." >&4
   dflt=n
  else
   dflt=`$egrep 'inlibc|csym' $rsrc/Configure | wc -l 2>/dev/null`
   if $test $dflt -gt 20; then
    dflt=y
   else
    dflt=n
   fi
  fi
  ;;
 esac
 ;;
```

```
*)
 case "$usenm" in
 true|$define) dflt=y;;
 *) dflt=n;;
 esac
 ;;
esac
$cat <<EOM

I can use $nm to extract the symbols from your C libraries. This
is a time consuming task which may generate huge output on the disk (up
to 3 megabytes) but that should make the symbols extraction faster. The
alternative is to skip the
 'nm' extraction part and to compile a small
test program instead to determine whether each symbol is present. If
you have a fast C compiler and/or if your 'nm' output cannot be parsed,
this may be the best solution.

EOM
rp='Shall I use nm to extract C symbols from the libraries?'
. ./myread
case "$ans" in
[Nn]*) usenm=false;;
*) usenm=true;;
esac

?X: Name extraction is to be run if 'nm' usage is wanted and if no -r flag
?X: was provided to configure (in which case we simply re-use the previous
?X: values).
runnm=$usenm
case "$reuseval" in
true) runnm=false;;
esac

: nm options which may be necessary
case "$nm_opt" in
") if $test -f /mach_boot; then
  nm_opt="  # Mach
 elif $test -d /usr/ccs/lib; then
  nm_opt='-p'  # Solaris (and SunOS?)
 elif $test -f /dgux; then
  nm_opt='-p'  # DG-UX
 elif $test -f /lib64/rld; then
  nm_opt='-p'  # 64-bit Irix
 else
  nm_opt="
 fi;;
esac
```

```
?X: nm options which may be necessary for shared libraries but illegal
?X: for archive libraries.  Thank you,
 Linux.
case "$nm_so_opt" in
") case "$osname" in
 *linux*)
  if $nm --help | $grep 'dynamic' > /dev/null 2>&1; then
   nm_so_opt='--dynamic'
  fi
  ;;
 esac
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/usenm.U
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: package.U,v $
?RCS: Revision 3.0.1.3  1994/10/29  16:27:21  ram
?RCS: patch36: beware of non-ascii character sets when translating case
?RCS:
?RCS: Revision 3.0.1.2  1993/11/10  17:37:02  ram
?RCS: patch14: skip definition of spackage if not otherwise used
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:11:10  ram
?RCS: patch10: added spackage, suitable for starting sentences
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:28  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:package spackage:
 Nothing
?MAKE: -pick wipe $@ %<
?S:package:
?S: This variable contains the name of the package being constructed.
```

```
?S: It is primarily intended for the use of later Configure units.
?S:.
?S:spackage:
?S: This variable contains the name of the package being constructed,
?S: with the first letter uppercased, i.e. suitable for starting
?S: sentences.
?S:.
?C:PACKAGE:
?C: This variable contains the name of the package being built.
?C:.
?H:#define PACKAGE "$package"
?H:.
?T:first last
: set package name
package='<PACKAGENAME>'
@if spackage
first=`echo $package | sed -e 's/^\(.\).*/\1/'`
last=`echo $package | sed -e 's/^.\(.*\)/\1/'`
?X:
?X: So early in the Configure script, we don't have ./tr set up and can't
?X: include Tr in our dependency or that would create a cycle. Therefore,
?X: we have to somehow duplicate the work done in Tr. That's life.
?X:
case "`echo AbyZ | tr '[:lower:]' '[:upper:]' 2>/dev/null`" in
ABYZ) spackage=`echo $first | tr '[:lower:]' '[:upper:]'`$last;;
*) spackage=`echo
 $first | tr '[a-z]' '[A-Z]'`$last;;
esac
@end
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/package.U
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Instruct.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  15:02:55  ram
?RCS: patch61: logname / whoami sequence rewritten to use case
```

```
?RCS:
?RCS: Revision 3.0.1.2  1995/02/15  14:11:34  ram
?RCS: patch51: author name now appears at the end of the paragraph (WED)
?RCS:
?RCS: Revision 3.0.1.1  1995/01/11  15:12:05  ram
?RCS: patch45: now documents the & escape to turn -d on at the read prompt
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:04  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X:
 This unit spew out the directions that we want everyone to read.  I try to
?X: keep the first "pagefull" much less than a page since they don't know it
?X: isn't going to go shooting off the top of the screen, and we don't want
?X: to panic them yet.
?X:
?MAKE:Instruct: Begin Myread Configdir contains
?MAKE: -pick wipe $@ %<
?T:user needman firsttime
: general instructions
needman=true
firsttime=true
user=`(logname) 2>/dev/null`
case "$user" in
") user=`whoami 2>&1`;;
esac
if $contains "^$user\$" ../.config/instruct >/dev/null 2>&1; then
 firsttime=false
 echo " "
 rp='Would you like to see the instructions?'
 dflt=n
 . ./myread
 case "$ans" in
 [yY]*) ;;
 *) needman=false;;
 esac
fi
if $needman; then
 cat <<EOH

This installation shell script will examine your system and ask you questions
to determine how the <PACKAGENAME> package should be installed. If you get
stuck on a question, you may use a ! shell escape to start a subshell or
execute a command.  Many of the questions will have
 default answers in square
brackets; typing carriage return will give you the default.
```

```
On some of the questions which ask for file or directory names you are allowed
to use the ~name construct to specify the login directory belonging to "name",
even if you don't have a shell which knows about that.  Questions where this is
allowed will be marked "(~name ok)".

EOH
 rp="
 dflt='Type carriage return to continue'
 . ./myread
 cat <<'EOH'

The prompter used in this script allows you to use shell variables and
backticks in your answers.  You may use $1, $2, etc...  to refer to the words
in the default answer, as if the default line was a set of arguments given to a
script shell.  This means you may also use $* to repeat the whole default line,
so you do not have to re-type everything to add something to the default.

Everytime there is a substitution, you will have to confirm.  If there is an
error (e.g. an unmatched backtick), the default answer will remain unchanged
and you will be prompted
 again.

If you are in a hurry, you may run 'Configure -d'.  This will bypass nearly all
the questions and use the computed defaults (or the previous answers if there
was already a config.sh file). Type 'Configure -h' for a list of options.
You may also start interactively and then answer '& -d' at any prompt to turn
on the non-interactive behaviour for the remainder of the execution.

EOH
 . ./myread
 cat <<EOH

Much effort has been expended to ensure that this shell script will run on any
Unix system.  If despite that it blows up on yours, your best bet is to edit
Configure and run it again.  If you can't run Configure for some reason,
you'll have to generate a config.sh file by hand.  Whatever problems you
have, let me (<MAINTLOC>) know how I blew it.

This installation script affects things in two ways:

1) it may do direct variable substitutions on some of the files included
  in this kit.
2) it builds a config.h file for inclusion in C programs.  You may edit
  any of these
 files as the need arises after running this script.

If you make a mistake on a question, there is no easy way to back up to it
currently.  The easiest thing to do is to edit config.sh and rerun all the SH
```

```
files.  Configure will offer to let you do this before it runs the SH files.

EOH
?X: In case they played with the prompter...
 dflt='Type carriage return to continue'
 . ./myread
 case "$firsttime" in
 true) echo $user >>../.config/instruct;;
 esac
fi
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Instruct.U
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Myread.U,v $
?RCS: Revision 3.0.1.6  1997/02/28  15:05:39  ram
?RCS: patch61: myread script now starts with a "startsh"
?RCS: patch61: miscellaneous fixes
?RCS:
?RCS: Revision 3.0.1.5  1995/01/11  15:14:22  ram
?RCS: patch45: added & escape allowing user to turn on -d from the prompt
?RCS:
?RCS: Revision 3.0.1.4  1994/10/31  09:48:04  ram
?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U
?RCS:
?RCS: Revision 3.0.1.3  1994/10/29  15:56:20  ram
?RCS: patch36: added ?F:
 line for metalint file checking
?RCS:
?RCS: Revision 3.0.1.2  1993/08/30  08:57:59  ram
?RCS: patch8: added new visible 'nostick' symbol, mainly for Finish.U
?RCS:
?RCS: Revision 3.0.1.1  1993/08/27  14:39:20  ram
?RCS: patch7: now sticks to the question when no default and empty answer
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:08  ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in in order
?X: to do a read.  It allows for shell escapes, default assignment and
?X: parameter evaluation.
?X:
?X: To use this unit, $rp and $dflt must hold the question and the
?X: default answer. The question will be printed by the script itself.
?X: Neither $rp nor $dflt is altered by the script.
?X:
?X: The myread script will stick to the question if no default is proposed
?X: and the user answer is empty, which prevents mistakes. However, at the
?X: end of Configure, there is an exception to this rule (Finish.U) where we
?X: set
 nostick to a non-empty value to allow the Return key to play its role!
?X:
?MAKE:Myread: Options startsh n c trnl
?MAKE: -pick add $@ %<
?V:ans:dflt rp nostick
?F:./myread
?T:COLUMNS xxxm rp dflt answ aok myecho counter
?LINT:change fastread
?X: Some shells (Ultrix) do not understand ${COLUMNS:-80}, sigh!
: compute the number of columns on the terminal for proper question formatting
case "$COLUMNS" in
") COLUMNS='80';;
esac

: set up the echo used in my read
?X:
?X: This variable is intended to be eval'ed. It will echo the two
?X: variables $rp and $dflt (provided this latter has a non null value).
?X: It is mainly used by the myread script to echo the questions.
?X:
?X: The $n and $c below are substituted before Loc does its silly echo check
?X: so don't put a $ on the echo below so we get builtin, even if $echo is
?X: pointing to /bin/echo.
?X:
myecho="case \"\$xxxm\" in
") echo $n \"\$rp $c\" >&4;;
*) case \"\$rp\" in
 ") echo $n \"[\$xxxm] $c\";;
 *)
  if test \`echo \"\$rp [\$xxxm]
  \" | wc -c\` -ge $COLUMNS; then
   echo \"\$rp\" >&4
   echo $n \"[\$xxxm] $c\" >&4
```

```
  else
   echo $n \"\$rp [\$xxxm] $c\" >&4
  fi
  ;;
 esac;;
esac"

: now set up to do reads with possible shell escape and default assignment
cat <<EOSC >myread
$startsh
?X:
?X: Save value of default -- do not alter original in case of eval
?X:
xxxm=\$dflt
$myecho
?X:
?X: If there is no default, then stop, regardless of the value in fastread.
?X: In silent mode, no new-line is to be echoed if the question is empty,
?X: since this is used to wait for the "return" key.
?X:
ans='!'
counter=42
case "\$fastread" in
yes) case "\$dflt" in
 ") ;;
 *) ans=";
  case "\$silent-\$rp" in
  true-) ;;
  *) echo " " >&4;;
  esac;;
 esac;;
*) case "\$silent" in
 true) case "\$rp" in
  ") ans=";;
  esac;;
 esac;;
esac
while expr "X\$ans" : "X!" >/dev/null; do
 read answ
?X:
?X: Run 'eval' on the answer, in order to do variable substitution, in case
?X: the user types $HOME or $WHATEVER. Variables must be evaluated
 now.
?X: Typing '\$HOME' won't currently prevent from substitution -- use '\\$HOME'
?X: The $1 .. $9 and $*, as well as $@, are available to refer to the
?X: default value.
?X:
 set x \$xxxm
```

```
 shift
 aok=''; eval "ans=\\"\$answ\\"" && aok=y
 case  "\$answ" in
?X:
?X: Use "!" and not a plain ! because of a bug in BSD 4.4 shell
?X: (reported by Wayne Davison)
?X: We must handle the shell escapes before dealing with possible variable
?X: substitution, since the shell we're launching in that case will be able
?X: to do it as well as we can -- RAM, 15/03/96
?X
 "!")
  sh 1>&4
  echo " "
  $myecho
  ;;
 !*)
  set x \`expr "X\$ans" : "X!\(.*\)\$"\`
  shift
  sh 1>&4 -c "\$*"
  echo " "
  $myecho
  ;;
 "\$ans")
  case "\$ans" in
?X:
?X: Answers starting with & are hooks allowing to dynamically turn on/off
?X: some Configure options. That's for the future. -- RAM, 09/01/95
?X: Today, we only recognize '& -d' to mean 'go on as if Configure -d, which
?X: is a hardwired behaviour compatible with
 our general scheme.
?X:
  \\&*)
   set x \`expr "X\$ans" : "X&\(.*\)\$"\`
   shift
   case "\$1" in
   -d)
    fastread=yes
    echo "(OK, I'll run with -d after this question.)" >&4
    ;;
   -*)
    echo "*** Sorry, \$1 not supported yet." >&4
    ;;
   esac
   $myecho
   ans=!
   ;;
  esac;;
 *)
```

```
  case "\$aok" in
  y)
   echo "*** Substitution done -- please confirm."
   xxxm="\$ans"
   ans=\`echo $n "\$ans$c" | tr '$trnl' ' '\`
   xxxm="\$ans"
   ans=!
   ;;
  *)
   echo "*** Error -- try again."
   ans=!
   ;;
  esac
  $myecho
  ;;
 esac
?X: Stick in myread if no default answer and nothing was answered
 case "\$ans\$xxxm\$nostick" in
 ")
  ans=!
  $myecho
  ;;
 esac
 counter=\`echo \$counter | awk '{ print --\$0 }'\`
 if [ \$counter = 0 ]; then
  echo >&4
  echo >&4 Too many attempts asking the same question.  Giving up.
  exit 1
 fi
done
case "\$ans" in
") ans="\$xxxm";;
esac
EOSC
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Myread.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: installstyle.U,v 1.2 1999/07/13 14:56:06 doughera Exp $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: installstyle.U,v $
?RCS: Revision 1.2  1999/07/13 14:56:06  doughera
?RCS: Fix dependencies.  Add more comments.
?RCS:
?RCS: Revision 1.1  1999/07/12 17:30:41  doughera
?RCS: Initial revision
?RCS:
?RCS:
?MAKE:installstyle: prefix Myread
?MAKE: -pick add $@ %<
?X: Myread dependence is for dflt.
?S:installstyle:
?S: This variable describes the "style" of the perl installation.
?S: This is intended to be useful for tools that need to
?S: manipulate entire perl
 distributions.  Perl itself doesn't use
?S: this to find its libraries -- the library directories are
?S: stored directly in Config.pm.  Currently, there are only two
?S: styles:  "lib" and "lib/perl5".  The default library locations
?S: (e.g. privlib, sitelib) are either $prefix/lib or
?S: $prefix/lib/perl5.  The former is useful if $prefix is a
?S: directory dedicated to perl (e.g. /opt/perl), while the latter
?S: is useful if $prefix is shared by many packages, e.g. if
?S: $prefix=/usr/local.
?S:
?S: Unfortunately, while this "style" variable is used to set
?S: defaults for all three directory hierarchies (core, vendor, and
?S: site), there is no guarantee that the same style is actually
?S: appropriate for all those directories.  For example, $prefix
?S: might be /opt/perl, but $siteprefix might be /usr/local.
?S: (Perhaps, in retrospect, the "lib" style should never have been
?S: supported, but it did seem like a nice idea at the time.)
?S:
?S: The situation is even less clear for
 tools such as MakeMaker
?S: that can be used to install additional modules into
?S: non-standard places.  For example, if a user intends to install
?S: a module into a private directory (perhaps by setting PREFIX on
?S: the Makefile.PL command line), then there is no reason to
?S: assume that the Configure-time $installstyle setting will be
?S: relevant for that PREFIX.
?S:
?S: This may later be extended to include other information, so
?S: be careful with pattern-matching on the results.
?S:
?S: For compatibility with perl5.005 and earlier, the default
```

```
?S: setting is based on whether or not $prefix contains the string
?S: "perl".
?S:.
: determine installation style
: For now, try to deduce it from prefix unless it is already set.
: Reproduce behavior of 5.005 and earlier, maybe drop that in 5.7.
case "$installstyle" in
") case "$prefix" in
  *perl*) dflt='lib';;
  *) dflt='lib/perl5' ;;
 esac
 ;;
*) dflt="$installstyle" ;;
esac
: Probably not worth prompting for this since we prompt
 for all
: the directories individually, and the prompt would be too long and
: confusing anyway.
installstyle=$dflt
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/installstyle.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?X: This unit generates a $hasfield string that is used internally
?X: by Configure to check if this system has a field for a
?X: particular struct (of if this system has a particular struct!)
?X:
?X: To use it, say something like:
?X:  set d_statblocks stat st_blocks i_sysstat sys/stat.h
?X:  eval $hasfield
?X: Or, for more complicated sets of headers, do something like
?X: hdrs="$define sys/foo.h
?X:  $i_sysbar sys/bar.h
?X:  $i_syszot sys/zot.h
?X:  $i_zappa zappa.h"
?X: set d_statblocks stat st_blocks $hdrs
?X: eval $hasfield
?X:
?MAKE:Hasfield: Setvar rm_try test Compile
```

```
?MAKE: -pick add $@ %<
?T:varname struct field
?V:hasfield
: Define hasfield macro for Configure internal use
hasfield='varname=$1;
 struct=$2; field=$3; shift; shift; shift;
while $test $# -ge 2; do
 case "$1" in
 $define) echo "#include <$2>";;
 esac ;
   shift 2;
done > try.c;
echo "int main () { struct $struct foo; char* bar; bar = (char*)foo.$field; }" >> try.c;
set try;
if eval $compile; then
 val="$define";
else
 val="$undef";
fi;
set $varname;
eval $setvar;
$rm_try'
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/protos/Hasfield.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: contains.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: contains.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:35  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:contains: Nothing
?MAKE: -pick add $@ %<
?S:contains:
?S: This variable holds the command to do a grep with a proper return
?S: status.  On most sane systems it is simply "grep".  On insane systems
?S: it is a grep followed by a cat followed by a test.  This variable
```

```
?S: is primarily for the use of other Configure units.
?S:.
: Some
 greps do not return status, grrr.
echo "grimblepritz" >grimble
if grep blurfldyick grimble >/dev/null 2>&1 ; then
 contains=contains
elif grep grimblepritz grimble >/dev/null 2>&1 ; then
 contains=grep
else
 contains=contains
fi
rm -f grimble
: the following should work in any shell
case "$contains" in
contains*)
 echo " "
 echo "AGH!  Grep doesn't return a status.  Attempting remedial action."
 cat >contains <<'EOSS'
grep "$1" "$2" >.greptmp && cat .greptmp && test -s .greptmp
EOSS
chmod +x contains
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/contains.U
No license file was found, but licenses were detected in source scan.

```
/*
* $Id: setsid.C,v 3.0.1.1 1994/01/24 13:58:47 ram Exp ram $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* $Log: setsid.C,v $
* Revision 3.0.1.1  1994/01/24  13:58:47  ram
* patch16: created
*
*/
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/dist/lib/C/fake/setsid.C
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999, Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:full_ar: ar
?MAKE: -pick add $@ %<
?S:full_ar:
?S: This variable contains the full pathname to 'ar', whether or
?S: not the user has specified 'portability'.  This is only used
?S: in the Makefile.SH.
?S:.
: Store the full pathname to the ar program for use in the C program
: Respect a hint or command line value for full_ar.
case "$full_ar" in
") full_ar=$ar ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/Loc_ar.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: h_fcntl.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: h_fcntl.U,v $
?RCS: Revision 3.0  1993/08/18  12:08:12  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:h_fcntl: Nothing
?MAKE: -pick add $@ %<
?S:h_fcntl:
```

```
?S: This is variable gets set in various places to tell i_fcntl that
?S: <fcntl.h> should be included.
?S:.
: Initialize h_fcntl
h_fcntl=false
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/h_fcntl.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:sitehtml1dir sitehtml1direxp installsitehtml1dir: Getfile \
 Setprefixvar prefix siteprefix html1dir sed
?MAKE: -pick add $@ %<
?Y:TOP
?D:sitehtml1dir=''
?S:sitehtml1dir:
?S: This variable contains the name of the directory in which site-specific
?S: html source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S: The standard distribution will put nothing in this directory.
?S: After perl
 has been installed, users may install their own local
?S: html pages in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:sitehtml1direxp=''
?S:sitehtml1direxp:
?S: This variable is the same as the sitehtml1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installsitehtml1dir=''
?S:installsitehtml1dir:
?S: This variable is really the same as sitehtml1direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: html1direxp only points to the read-only access location. For extra
```

```
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installsitehtml1dir
?LINT:set sitehtml1dir
?LINT:set sitehtml1direxp
: determine where add-on html pages go
: There is no standard location, so try to copy the previously-selected
: directory structure for the core html pages.
case "$sitehtml1dir" in
")
   dflt=`echo "$html1dir" | $sed "s#^$prefix#$siteprefix#"` ;;
*)     dflt=$sitehtml1dir ;;
esac
case "$dflt" in
"|' ') dflt=none ;;
esac
fn=dn+~
rp='Pathname where the site-specific html pages should be installed?'
. ./getfile
prefixvar=sitehtml1dir
. ./setprefixvar
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/sitehtml1dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?X: This unit generates a $hasstruct string that is used internally
?X: by Configure to check if this system has a field for a
?X: particular struct (of if this system has a particular struct!)
?X:
?X: To use it, say something like:
?X:  set d_statblocks stat i_sysstat sys/stat.h
?X:  eval $hasstruct
?X: Or, for more complicated sets of headers, do something like
?X: hdrs="$define sys/foo.h
?X:  $i_sysbar sys/bar.h
?X:  $i_syszot sys/zot.h
?X:  $i_zappa zappa.h"
?X: set d_statblocks stat $hdrs
```

```
?X: eval $hasstruct
?X:
?MAKE:Hasstruct: Setvar rm_try test Compile
?MAKE: -pick add $@ %<
?T:varname struct
?V:hasstruct
: Define hasstruct macro for Configure internal use
hasstruct='varname=$1; struct=$2; shift;
 shift;
while $test $# -ge 2; do
 case "$1" in
 $define) echo "#include <$2>";;
 esac ;
   shift 2;
done > try.c;
echo "int main () { struct $struct foo; }" >> try.c;
set try;
if eval $compile; then
 val="$define";
else
 val="$undef";
fi;
set $varname;
eval $setvar;
$rm_try'
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/protos/Hasstruct.U
No license file was found, but licenses were detected in source scan.

```
# $Id: makedir.sh,v 3.0.1.1 1994/01/24 14:00:08 ram Exp ram $
#
#  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
#  You may redistribute only under the terms of the Artistic Licence,
#  as specified in the README file that comes with the distribution.
#  You may reuse parts of this distribution only within the terms of
#  that same Artistic Licence; a copy of which may be found at the root
#  of the source tree for dist 4.0.
#
# Original Author: Larry Wall <lwall@netlabs.com>
#
# $Log: makedir.sh,v $
# Revision 3.0.1.1  1994/01/24  14:00:08  ram
# patch16: changed top ln-style config.sh lookup into test-style one
#
# Revision 3.0  1993/08/18  12:04:38  ram
```

```
# Baseline for dist 3.0 netwide release.
#
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/makedir.SH
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: Original author Jarkko Hietaniemi <jhi@iki.fi>
?RCS: Merged into dist by Andy Dougherty  July 13, 1998
?RCS:
?MAKE:trnl: Nothing
?MAKE: -pick add $@ %<
?S:trnl:
?S: This variable contains the value to be passed to the tr(1)
?S: command to transliterate a newline.  Typical values are
?S: '\012' and '\n'.  This is needed for EBCDIC systems where
?S: newline is not necessarily '\012'.
?S:.
?T: DJGPP
: Find the appropriate value for a newline for tr
?X: We can't
 use $tr since that would cause a circular dependency via Myread
?X: dos djgpp uses '\015\012', but reportedly is happy with '\012' in the
?X: tr command.  I don't know why it passes the '\n' test but later
?X: refuses to work correctly with it.  --AD  6/14/98
if test -n "$DJGPP"; then
     trnl='\012'
fi
if test X"$trnl" = X; then
 case "`echo foo | tr '\n' x 2>/dev/null`" in
 foox) trnl='\n' ;;
 esac
fi
if test X"$trnl" = X; then
 case "`echo foo | tr '\012' x 2>/dev/null`" in
```

```
 foox) trnl='\012' ;;
 esac
fi
if test X"$trnl" = X; then
      case "`echo foo | tr '\r\n' xy 2>/dev/null`" in
      fooxy) trnl='\n\r' ;;
      esac
fi
if test X"$trnl" = X; then
 cat <<EOM >&2

$me: Fatal Error: cannot figure out how to translate newlines with 'tr'.

EOM
 exit 1
fi
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/trnl.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libc.U,v $
?RCS: Revision 3.0.1.10  1997/02/28  15:56:48  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS: patch61: added support for HPUX-10 nm output
?RCS:
?RCS: Revision 3.0.1.9  1995/07/25  14:11:56  ram
?RCS: patch56: now knows about OS/2 platforms
?RCS:
?RCS: Revision 3.0.1.8  1995/05/12  12:20:47  ram
?RCS: patch54: made sure only most recent version of shared lib is picked
?RCS: patch54: final "nm -p" check now uses xscan and xrun like everybody
?RCS: patch54: can now grok
 linux nm output with lead __IO (ADO)
?RCS: patch54: added support for linux ELF output, using 'W' for alias (ADO)
?RCS:
?RCS: Revision 3.0.1.7  1994/10/29  16:23:40  ram
```

```
?RCS: patch36: now looks for shared libraries before anything else (ADO)
?RCS: patch36: added new nm output format (ADO)
?RCS:
?RCS: Revision 3.0.1.6  1994/08/29  16:28:10  ram
?RCS: patch32: added I-type symbols for nm output parsing on Linux
?RCS:
?RCS: Revision 3.0.1.5  1994/06/20  07:03:24  ram
?RCS: patch30: checks are now presented by succession of if/elif
?RCS: patch30: uniformized checks for shared objects with new so symbol
?RCS:
?RCS: Revision 3.0.1.4  1994/05/06  15:06:33  ram
?RCS: patch23: added shared library knowledge (ADO and WED)
?RCS:
?RCS: Revision 3.0.1.3  1994/01/24  14:12:17  ram
?RCS: patch16: can now export nm_extract as an internal-use only variable
?RCS:
?RCS: Revision 3.0.1.2  1993/09/13  16:09:03  ram
?RCS: patch10: added special handling for Apollo systems (WAD)
?RCS:
?RCS: Revision 3.0.1.1
  1993/08/27  14:40:03  ram
?RCS: patch7: added entry for /usr/shlib/libc.so (OSF/1 machines)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:57  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libc libnames +nm_extract: echo n c rm test grep Getfile Myread \
 Oldconfig Loc sed libs incpath libpth ar runnm nm nm_opt nm_so_opt \
 contains xlibpth so osname trnl tr sort uniq _o _a
?MAKE: -pick add $@ %<
?S:libc:
?S: This variable contains the location of the C library.
?S:.
?S:libnames:
?S: The constructed list of library names.  Normally empty, but hint files
?S: may set this for later perusal by Configure.
?S:.
?S:nm_extract:
?S: This variable holds the name of the extraction command used to process
?S: the output of nm and yield the list of defined symbols. It is used
?S: internally by Configure.
?S:.
?T:thislib try libnames xxx xscan xrun thisname com tans file
?F:!libnames !libc.tmp !tmp.imp
?LINT:change nm_opt runnm
?INIT:libnames=''
: Figure out where the libc is located
case
```

```
 "$runnm" in
true)
?X: indentation is wrong on purpose--RAM
: get list of predefined functions in a handy place
echo " "
case "$libc" in
") libc=unknown
 case "$libs" in
 *-lc_s*) libc=`./loc libc_s$_a $libc $libpth`
 esac
 ;;
esac
case "$libs" in
") ;;
*)  for thislib in $libs; do
 case "$thislib" in
 -lc|-lc_s)
  : Handle C library specially below.
  ;;
 -l*)
  thislib=`echo $thislib | $sed -e 's/^-l//'`
  if try=`./loc lib$thislib.$so.'*' X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib.$so X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib$_a X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc $thislib$_a X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc $thislib X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc Slib$thislib$_a X $xlibpth`; $test -f "$try"; then
   :
  else
   try=''
  fi
  libnames="$libnames $try"
  ;;
 *) libnames="$libnames $thislib"
 ;;
 esac
 done
 ;;
esac
?X:
?X: Some systems (e.g. DG/UX) use "environmental" links, which make the test
```

```
?X: -f fail. Ditto for symbolic links. So in order to reliably check the
?X: existence of a file, we use test -r. It will still fail with DG/UX links
?X: though, but at least it will detect symbolic links. At some strategic
?X: points, we make use of (test -h), using a sub-shell in case builtin test
?X: does not implement the -h check for symbolic links. This makes it
?X: possible to preset libc in a hint file for instance and have it show up
?X: as-is in the question.
?X:
xxx=normal
case "$libc" in
unknown)
?X:
?X: The sed below transforms .so.9 .so.12 into something like .so.0009 .so.0012,
?X: then sorts on it to allow keeping .so.12 instead of .so.9 as the latest
?X: up-to-date library. The initial filename (before sed munging, saved in hold
?X: space via 'h') is appended via 'G' before sorting, then the leading munged
?X: part is removed after sorting. Nice efficient work
 from Tye McQueen.
?X: The initial blurfl is here to prevent the trailing pipe from producing an
?X: empty string, causing Configure to output all its set variables!
?X:
 set /lib/libc.$so
 for xxx in $libpth; do
  $test -r $1 || set $xxx/libc.$so
  : The messy sed command sorts on library version numbers.
  $test -r $1 || \
   set `echo blurfl; echo $xxx/libc.$so.[0-9]* | \
   tr ' ' $trnl | egrep -v '\.[A-Za-z]*$' | $sed -e '
    h
    s/[0-9][0-9]*/0000&/g
    s/0*\([0-9][0-9][0-9][0-9][0-9]\)/\1/g
    G
    s/\n/ /' | \
    $sort | $sed -e 's/^.* //'`
  eval set \$$#
 done
 $test -r $1 || set /usr/ccs/lib/libc.$so
 $test -r $1 || set /lib/libsys_s$_a
 ;;
*)
?X: ensure the test below for the (shared) C library will fail
 set blurfl
 ;;
esac
if $test -r "$1"; then
 echo "Your (shared) C library seems to be in $1."
 libc="$1"
elif $test -r /lib/libc && $test -r /lib/clib; then
```

```
?X:
?X: Apollo has its C library in /lib/clib AND /lib/libc
?X: not to mention its math library in /lib/syslib...
?X:
 echo
 "Your C library seems to be in both /lib/clib and /lib/libc."
 xxx=apollo
 libc='/lib/clib /lib/libc'
 if $test -r /lib/syslib; then
  echo "(Your math library is in /lib/syslib.)"
?X: Put syslib in libc -- not quite right, but won't hurt
  libc="$libc /lib/syslib"
 fi
elif $test -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
 echo "Your C library seems to be in $libc, as you said before."
?X: For mips, and...
elif $test -r $incpath/usr/lib/libc$_a; then
 libc=$incpath/usr/lib/libc$_a;
 echo "Your C library seems to be in $libc.  That's fine."
elif $test -r /lib/libc$_a; then
 libc=/lib/libc$_a;
 echo "Your C library seems to be in $libc.  You're normal."
else
 if tans=`./loc libc$_a blurfl/dyick $libpth`; $test -r "$tans"; then
  :
 elif tans=`./loc libc blurfl/dyick $libpth`; $test -r "$tans"; then
  libnames="$libnames "`./loc clib blurfl/dyick $libpth`
 elif tans=`./loc clib blurfl/dyick $libpth`; $test -r "$tans"; then
  :
 elif tans=`./loc Slibc$_a blurfl/dyick
 $xlibpth`; $test -r "$tans"; then
  :
 elif tans=`./loc Mlibc$_a blurfl/dyick $xlibpth`; $test -r "$tans"; then
  :
 else
  tans=`./loc Llibc$_a blurfl/dyick $xlibpth`
 fi
 if $test -r "$tans"; then
  echo "Your C library seems to be in $tans, of all places."
  libc=$tans
 else
  libc='blurfl'
 fi
fi
if $test $xxx = apollo -o -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
 dflt="$libc"
 cat <<EOM
```

```
If the guess above is wrong (which it might be if you're using a strange
compiler, or your machine supports multiple models), you can override it here.

EOM
else
 dflt=''
 echo $libpth | $tr ' ' $trnl | $sort | $uniq > libpath
 cat >&4 <<EOM
I can't seem to find your C library.  I've looked in the following places:

EOM
 $sed 's/^/ /' libpath
 cat <<EOM

None of these seems to contain your C library. I need to get its name...

EOM
fi
fn=f
rp='Where is your C library?'
. ./getfile
libc="$ans"

echo " "
echo $libc $libnames | $tr ' ' $trnl | $sort | $uniq > libnames
set X `cat libnames`
shift
xxx=files
case
 $# in 1) xxx=file; esac
echo "Extracting names from the following $xxx for later perusal:" >&4
echo " "
$sed 's/^/ /' libnames >&4
echo " "
$echo $n "This may take a while...$c" >&4

?X:
?X: Linux may need the special Dynamic option to nm for shared libraries.
?X: In general, this is stored in the nm_so_opt variable.
?X: Unfortunately, that option may be fatal on non-shared libraries.
?X:
for file in $*; do
 case $file in
 *$so*) $nm $nm_so_opt $nm_opt $file 2>/dev/null;;
 *) $nm $nm_opt $file 2>/dev/null;;
 esac
done >libc.tmp
```

```
$echo $n ".$c"
?X:
?X: To accelerate processing, we look at the correct 'sed' command
?X: by using a small subset of libc.tmp, i.e. fprintf function.
?X: When we know which sed command to use, do the name extraction
?X:
$grep fprintf libc.tmp > libc.ptf
?X:
?X: In order to enhance readability and save some space, we define
?X: some variables that will be "eval"ed.
?X:
xscan='eval "<libc.ptf $com >libc.list"; $echo $n ".$c" >&4'
xrun='eval
 "<libc.tmp $com >libc.list"; echo "done." >&4'
?X: BSD-like output, I and W types added for Linux
?X: Some versions of Linux include a leading __IO in the symbol name.
?X: HPUX10 reportedly has trailing spaces, though I'm surprised it has
?X: BSD-like output.  (AD).
xxx='[ADTSIW]'
if com="$sed -n -e 's/__IO//' -e 's/^.* $xxx  *_[_.]*//p' -e 's/^.* $xxx  *//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: SYSV-like output
elif com="$sed -n -e 's/^__*//' -e 's/^\([a-zA-Z_0-9$]*\).*xtern.*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e '/|UNDEF/d' -e '/FUNC..GL/s/^.*|__*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.* D __*//p' -e 's/^.* D //p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^_//' -e 's/^\([a-zA-Z_0-9]*\).*xtern.*text.*/\1/p'";\
 eval
 $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|FUNC |GLOB .*|//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$grep '|' | $sed -n -e '/|COMMON/d' -e '/|DATA/d' \
    -e '/ file/d' -e 's/^\([^  ]*\).*/\1/p'";\
 eval $xscan;\
```

```
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|FUNC |GLOB .*|//p' -e 's/^.*|FUNC |WEAK .*|//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: mips nm output (sysV)
elif com="$sed -n -e 's/^__//' -e '/|Undef/d' -e '/|Proc/s/ .*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|Proc .*|Text *| *//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e '/Def. Text/s/.* \([^ ]*\)\$/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null
 2>&1; then
  eval $xrun
?X: OS/2 nm output
elif com="$sed -n -e 's/^[-0-9a-f ]*_\(.*\)=.*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/.*\.text n\ \ \ \.//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: AIX nm output
elif com="sed -n -e 's/^__.*//' -e 's/[       ]*D[    ]*[0-9]*.*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
else
 $nm -p $* 2>/dev/null >libc.tmp
 $grep fprintf libc.tmp > libc.ptf
 if com="$sed -n -e 's/^.* [ADTSIW]  *_[_.]*//p' -e 's/^.* [ADTSIW] //p'";\
  eval $xscan; $contains '^fprintf$' libc.list >/dev/null 2>&1
 then
  nm_opt='-p'
  eval $xrun
 else
  echo " "
  echo "$nm didn't seem to work right. Trying $ar instead..." >&4
  com="
  if $ar t $libc > libc.tmp && \
   $contains '^fprintf$' libc.tmp >/dev/null 2>&1
```

```
  then
   for thisname in $libnames $libc; do
    $ar t $thisname >>libc.tmp
   done
   $sed
 -e "s/\\$_o\$//" < libc.tmp > libc.list
   echo "Ok." >&4
  elif test "X$osname" = "Xos2" && $ar tv $libc > libc.tmp; then
?X: Repeat libc to extract forwarders to DLL entries too
   for thisname in $libnames $libc; do
    $ar tv $thisname >>libc.tmp
?X: Revision 50 of EMX has bug in ar: it will not extract forwarders
?X: to DLL entries.  Use emximp which will extract exactly them.
    emximp -o tmp.imp $thisname \
        2>/dev/null && \
        $sed -e 's/^\([_a-zA-Z0-9]*\) .*$/\1/p' \
        < tmp.imp >>libc.tmp
    $rm -f tmp.imp
   done
   $sed -e "s/\\$_o\$//" -e 's/^ \+//' < libc.tmp > libc.list
   echo "Ok." >&4
  else
   echo "$ar didn't seem to work right." >&4
   echo "Maybe this is a Cray...trying bld instead..." >&4
   if
    bld t $libc | \
     $sed -e 's/.*\///' -e "s/\\$_o:.*\$//" > libc.list &&
    $test -s libc.list
   then
    for thisname in $libnames; do
     bld t $libnames | \
     $sed -e 's/.*\///' -e "s/\\$_o:.*\$//" >>libc.list
     $ar t $thisname >>libc.tmp
    done
    echo
 "Ok." >&4
   else
    echo "That didn't work either." >&4
    echo "No problem, I'll be compiling test programs then..." >&4
    runnm=false
   fi
  fi
 fi
fi
nm_extract="$com"
if $test -f /lib/syscalls.exp; then
 echo " "
 echo "Also extracting names from /lib/syscalls.exp for good ole AIX..." >&4
```

```
 $sed -n 's/^\([^  ]*\)[  ]*syscall[0-9]*[  ]*$/\1/p' \
  /lib/syscalls.exp >>libc.list
fi
?X: remember, indentation is wrong on purpose--RAM
;;
esac
$rm -f libnames libpath
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libc.U
No license file was found, but licenses were detected in source scan.

```
?RCS:     c) the GNU General Public License as published by the Free
?RCS:     Software Foundation; either version 1, or (at your option) any
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_builtin_overflow.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: longsize.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: longsize.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  16:09:35  ram
?RCS: patch61: code moved to intsize.U
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  16:24:31  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:07  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: 'longsize' is now defined within intsize.U
?X:
?LINT: empty
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/dist/U/longsize.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Myread.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Myread.U,v $
?RCS: Revision 3.0.1.6  1997/02/28  15:05:39  ram
?RCS: patch61: myread script now starts with a "startsh"
?RCS: patch61: miscellaneous fixes
?RCS:
?RCS: Revision 3.0.1.5  1995/01/11  15:14:22  ram
?RCS: patch45: added & escape allowing user to turn on -d from the prompt
?RCS:
?RCS: Revision 3.0.1.4  1994/10/31  09:48:04  ram
?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U
?RCS:
?RCS: Revision 3.0.1.3  1994/10/29
  15:56:20  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0.1.2  1993/08/30  08:57:59  ram
?RCS: patch8: added new visible 'nostick' symbol, mainly for Finish.U
?RCS:
?RCS: Revision 3.0.1.1  1993/08/27  14:39:20  ram
?RCS: patch7: now sticks to the question when no default and empty answer
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:08  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in in order
?X: to do a read.  It allows for shell escapes, default assignment and
?X: parameter evaluation.
?X:
?X: To use this unit, $rp and $dflt must hold the question and the
?X: default answer. The question will be printed by the script itself.
?X: Neither $rp nor $dflt is altered by the script.
?X:
?X: The myread script will stick to the question if no default is proposed
?X: and the user answer is empty, which prevents mistakes. However, at the
```

```
?X: end of Configure, there is an exception
 to this rule (Finish.U) where we
?X: set nostick to a non-empty value to allow the Return key to play its role!
?X:
?MAKE:Myread: Options startsh n c trnl
?MAKE: -pick add $@ %<
?V:ans:dflt rp nostick
?F:./myread
?T:COLUMNS xxxm rp dflt answ aok myecho
?LINT:change fastread
?X: Some shells (Ultrix) do not understand ${COLUMNS:-80}, sigh!
: compute the number of columns on the terminal for proper question formatting
case "$COLUMNS" in
") COLUMNS='80';;
esac

: set up the echo used in my read
?X:
?X: This variable is intended to be eval'ed. It will echo the two
?X: variables $rp and $dflt (provided this latter has a non null value).
?X: It is mainly used by the myread script to echo the questions.
?X:
?X: The $n and $c below are substituted before Loc does its silly echo check
?X: so don't put a $ on the echo below so we get builtin, even if $echo is
?X: pointing to /bin/echo.
?X:
myecho="case \"\$xxxm\" in
") echo $n \"\$rp $c\" >&4;;
*) case \"\$rp\" in
 ") echo $n \"[\$xxxm] $c\";;
 *)
  if
 test \`echo \"\$rp [\$xxxm]  \" | wc -c\` -ge $COLUMNS; then
   echo \"\$rp\" >&4
   echo $n \"[\$xxxm] $c\" >&4
  else
   echo $n \"\$rp [\$xxxm] $c\" >&4
  fi
  ;;
 esac;;
esac"

: now set up to do reads with possible shell escape and default assignment
cat <<EOSC >myread
$startsh
?X:
?X: Save value of default -- do not alter original in case of eval
?X:
```

```
xxxm=\$dflt
$myecho
?X:
?X: If there is no default, then stop, regardless of the value in fastread.
?X: In silent mode, no new-line is to be echoed if the question is empty,
?X: since this is used to wait for the "return" key.
?X:
ans='!'
case "\$fastread" in
yes) case "\$dflt" in
 ") ;;
 *) ans=";
  case "\$silent-\$rp" in
  true-) ;;
  *) echo " " >&4;;
  esac;;
 esac;;
*) case "\$silent" in
 true) case "\$rp" in
  ") ans=";;
  esac;;
 esac;;
esac
while expr "X\$ans" : "X!" >/dev/null; do
 read answ
?X:
?X: Run 'eval' on the answer, in order to do variable substitution, in case
?X: the user types $HOME or $WHATEVER.
 Variables must be evaluated now.
?X: Typing '\$HOME' won't currently prevent from substitution -- use '\\$HOME'
?X: The $1 .. $9 and $*, as well as $@, are available to refer to the
?X: default value.
?X:
 set x \$xxxm
 shift
 aok="; eval "ans=\\"\$answ\\"" && aok=y
 case  "\$answ" in
?X:
?X: Use "!" and not a plain ! because of a bug in BSD 4.4 shell
?X: (reported by Wayne Davison)
?X: We must handle the shell escapes before dealing with possible variable
?X: substitution, since the shell we're launching in that case will be able
?X: to do it as well as we can -- RAM, 15/03/96
?X
 "!")
  sh 1>&4
  echo " "
  $myecho
```

```
 ;;
!*)
 set x \`expr "X\$ans" : "X!\(.*\)\$"\`
 shift
 sh 1>&4 -c "\$*"
 echo " "
 $myecho
 ;;
"\$ans")
 case "\$ans" in
?X:
?X: Answers starting with & are hooks allowing to dynamically turn on/off
?X: some Configure options. That's for the future. -- RAM, 09/01/95
?X: Today, we only recognize '& -d' to mean 'go on as if Configure -d, which
?X: is a hardwired
 behaviour compatible with our general scheme.
?X:
 \\&*)
  set x \`expr "X\$ans" : "X&\(.*\)\$"\`
  shift
  case "\$1" in
  -d)
   fastread=yes
   echo "(OK, I'll run with -d after this question.)" >&4
   ;;
  -*)
   echo "*** Sorry, \$1 not supported yet." >&4
   ;;
  esac
  $myecho
  ans=!
  ;;
 esac;;
*)
 case "\$aok" in
 y)
  echo "*** Substitution done -- please confirm."
  xxxm="\$ans"
  ans=\`echo $n "\$ans$c" | tr '$trnl' ' '\`
  xxxm="\$ans"
  ans=!
  ;;
 *)
  echo "*** Error -- try again."
  ans=!
  ;;
 esac
 $myecho
```

```
  ;;
 esac
?X: Stick in myread if no default answer and nothing was answered
 case "\$ans\$xxxm\$nostick" in
 ")
  ans=!
  $myecho
  ;;
 esac
done
case "\$ans" in
") ans="\$xxxm";;
esac
EOSC
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Myread.U
No license file was found, but licenses were detected in source scan.

```
*  You may redistribute only under the terms of the Artistic Licence,
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/files/Jmake.tmpl
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Typedef.U,v 3.0.1.3 1995/07/25 13:42:07 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Typedef.U,v $
?RCS: Revision 3.0.1.3  1995/07/25  13:42:07  ram
?RCS: patch56: added backslash escapes within evals to prevent space problems
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  16:01:16  ram
?RCS: patch36: don't clobber visible 'val' variable, use 'varval' instead
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:05:14  ram
?RCS: patch32: created
?RCS:
?X:
```

```
?X: This unit checks for the definition of a given typedef.
?X:
?X: To use it, say:
?X: set typedef
 val_t default [includes]
?X: eval $typedef
?X:
?MAKE:Typedef: cppstdin cppminus cppflags rm sed contains Oldconfig Myread
?MAKE: -pick add $@ %<
?LINT:define typedef
?LINT:define typedef_ask
?V:typedef typedef_ask
?S:typedef:
?S: This shell variable is used internally by Configure to check
?S: whether a given typedef is defined or not. A typical use is:
?S:  set typedef val_t default [includes]
?S:  eval $typedef
?S: That will return val_t set to default if the typedef was not found,
?S: to typedef otherwise. If no includes are specified, look in sys/types.h.
?S:.
?S:typedef_ask:
?S: This shell variable is used internally by Configure to check
?S: whether a given typedef is defined or not.  If it is not defined,
?S: this will call the ./myread script to prompt for an answer.
?S: It is intended to be used to avoid unnecessary prompts.
?S: A typical use is
?S:  rp="What is the type for file position used by fsetpos()?"
?S:  set fpos_t fpostype long stdio.h sys/types.h
?S:  eval $typedef_ask
?S: This
 will set fpostype=fpos_t, if fpos_t is available.  Otherwise
?S: it will call myread with a default of 'long', and a prompt of $rp.
?S:.
?T:type var def inclist varval inc
?F:!temp.c
: define an is-a-typedef? function
typedef='type=$1; var=$2; def=$3; shift; shift; shift; inclist=$@;
case "$inclist" in
"") inclist="sys/types.h";;
esac;
eval "varval=\$$var";
case "$varval" in
"")
 $rm -f temp.c;
 for inc in $inclist; do
  echo "#include <$inc>" >>temp.c;
 done;
?X: Maybe it's a #define instead of a typedef.
```

```
 echo "#ifdef $type" >> temp.c;
 echo "printf(\"We have $type\");" >> temp.c;
 echo "#endif" >> temp.c;
 $cppstdin $cppflags $cppminus < temp.c >temp.E 2>/dev/null;
 if $contains $type temp.E >/dev/null 2>&1; then
  eval "$var=\$type";
 else
  eval "$var=\$def";
 fi;
 $rm -f temp.?;;
*) eval "$var=\$varval";;
esac'

?X: Originally, I eval'd $typedef and then checked the results against
?X: $type.  Unfortunately, it then became complicated to check
?X: whether you are re-using
 an old config.sh value, and the logic got
?X: so convoluted it became easier to just copy the function above
?X: and alter it slightly.  A.D.  3/1998
: define an is-a-typedef? function that prompts if the type is not available.
typedef_ask='type=$1; var=$2; def=$3; shift; shift; shift; inclist=$@;
case "$inclist" in
"") inclist="sys/types.h";;
esac;
eval "varval=\$$var";
case "$varval" in
"")
 $rm -f temp.c;
 for inc in $inclist; do
  echo "#include <$inc>" >>temp.c;
 done;
?X: Maybe it's a #define instead of a typedef.
 echo "#ifdef $type" >> temp.c;
 echo "printf(\"We have $type\");" >> temp.c;
 echo "#endif" >> temp.c;
 $cppstdin $cppflags $cppminus < temp.c >temp.E 2>/dev/null;
 echo " " ;
 echo "$rp" | $sed -e "s/What is/Looking for/" -e "s/?/./";
 if $contains $type temp.E >/dev/null 2>&1; then
  echo "$type found." >&4;
  eval "$var=\$type";
 else
  echo "$type NOT found." >&4;
  dflt="$def";
  . ./myread ;
  eval "$var=\$ans";
 fi;
 $rm -f temp.?;;
```

```
*) eval "$var=\$varval";;
esac'

Found
 in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/Typedef.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: libc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libc.U,v $
?RCS: Revision 3.0.1.10  1997/02/28  15:56:48  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS: patch61: added support for HPUX-10 nm output
?RCS:
?RCS: Revision 3.0.1.9  1995/07/25  14:11:56  ram
?RCS: patch56: now knows about OS/2 platforms
?RCS:
?RCS: Revision 3.0.1.8  1995/05/12  12:20:47  ram
?RCS: patch54: made sure only most recent version of shared lib is picked
?RCS: patch54: final "nm -p" check now uses xscan and xrun
 like everybody
?RCS: patch54: can now grok Linux nm output with lead __IO (ADO)
?RCS: patch54: added support for Linux ELF output, using 'W' for alias (ADO)
?RCS:
?RCS: Revision 3.0.1.7  1994/10/29  16:23:40  ram
?RCS: patch36: now looks for shared libraries before anything else (ADO)
?RCS: patch36: added new nm output format (ADO)
?RCS:
?RCS: Revision 3.0.1.6  1994/08/29  16:28:10  ram
?RCS: patch32: added I-type symbols for nm output parsing on Linux
?RCS:
?RCS: Revision 3.0.1.5  1994/06/20  07:03:24  ram
?RCS: patch30: checks are now presented by succession of if/elif
?RCS: patch30: uniformized checks for shared objects with new so symbol
?RCS:
?RCS: Revision 3.0.1.4  1994/05/06  15:06:33  ram
?RCS: patch23: added shared library knowledge (ADO and WED)
?RCS:
```

```
?RCS: Revision 3.0.1.3  1994/01/24  14:12:17  ram
?RCS: patch16: can now export nm_extract as an internal-use only variable
?RCS:
?RCS: Revision 3.0.1.2  1993/09/13  16:09:03  ram
?RCS: patch10: added special handling for Apollo
 systems (WAD)
?RCS:
?RCS: Revision 3.0.1.1  1993/08/27  14:40:03  ram
?RCS: patch7: added entry for /usr/shlib/libc.so (OSF/1 machines)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:57  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libc +nm_extract: echo n c rm test grep Getfile Myread Oldconfig Loc \
 sed libs incpath libpth ar runnm nm nm_opt nm_so_opt contains xlibpth \
 so _a _o osname trnl tr sort uniq sysroot
?MAKE: -pick add $@ %<
?S:libc:
?S: This variable contains the location of the C library.
?S:.
?S:nm_extract:
?S: This variable holds the name of the extraction command used to process
?S: the output of nm and yield the list of defined symbols. It is used
?S: internally by Configure.
?S:.
?T:thislib try libnames xxx xscan xrun thisname com tans file
?F:!libnames !libc.tmp !tmp.imp
?LINT:extern PASE
?LINT:extern libnames
?LINT:change nm_opt
?INIT:libnames="
: Figure out where the libc is located
case "$runnm" in
true)
?X: indentation is wrong on purpose--RAM
:
 get list of predefined functions in a handy place
echo " "
case "$libc" in
") libc=unknown
 case "$libs" in
 *-lc_s*) libc=`./loc libc_s$_a $libc $libpth`
 esac
 ;;
esac
case "$libs" in
") ;;
*)  for thislib in $libs; do
```

```
 case "$thislib" in
 -lc|-lc_s)
  : Handle C library specially below.
  ;;
 -l*)
  thislib=`echo $thislib | $sed -e 's/^-l//'`
  if try=`./loc lib$thislib.$so.'*' X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib.$so X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib$_a X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc $thislib$_a X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc $thislib X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc Slib$thislib$_a X $xlibpth`; $test -f "$try"; then
   :
  else
   try=''
  fi
  libnames="$libnames $try"
  ;;
 *) libnames="$libnames $thislib" ;;
 esac
 done
 ;;
esac
?X:
?X: Some systems (e.g. DG/UX) use
 "environmental" links, which make the test
?X: -f fail. Ditto for symbolic links. So in order to reliably check the
?X: existence of a file, we use test -r. It will still fail with DG/UX links
?X: though, but at least it will detect symbolic links. At some strategic
?X: points, we make use of (test -h), using a sub-shell in case builtin test
?X: does not implement the -h check for symbolic links. This makes it
?X: possible to preset libc in a hint file for instance and have it show up
?X: as-is in the question.
?X:
xxx=normal
case "$libc" in
unknown)
?X:
?X: The sed below transforms .so.9 .so.12 into something like .so.0009 .so.0012,
?X: then sorts on it to allow keeping .so.12 instead of .so.9 as the latest
?X: up-to-date library. The initial filename (before sed munging, saved in hold
```

```
?X: space via 'h') is appended via 'G' before sorting, then the leading munged
?X: part is removed after sorting. Nice efficient work from Tye McQueen.
?X: The initial blurfl is here to prevent the trailing
 pipe from producing an
?X: empty string, causing Configure to output all its set variables!
?X:
 set /lib/libc.$so
 for xxx in $libpth; do
  $test -r $1 || set $xxx/libc.$so
  : The messy sed command sorts on library version numbers.
  $test -r $1 || \
   set `echo blurfl; echo $xxx/libc.$so.[0-9]* | \
   tr ' ' $trnl | egrep -v '\.[A-Za-z]*$' | $sed -e '
    h
    s/[0-9][0-9]*/0000&/g
    s/0*\([0-9][0-9][0-9][0-9][0-9]\)/\1/g
    G
    s/\n/ /' | \
    $sort | $sed -e 's/^.* //'`
  eval set \$$#
 done
 $test -r $1 || set $sysroot/usr/ccs/lib/libc.$so
 $test -r $1 || set $sysroot/lib/libsys_s$_a
 ;;
*)
?X: ensure the test below for the (shared) C library will fail
 set blurfl
 ;;
esac
if $test -r "$1"; then
 echo "Your (shared) C library seems to be in $1."
 libc="$1"
elif $test -r /lib/libc && $test -r /lib/clib; then
?X:
?X: Apollo has its C library in /lib/clib AND /lib/libc
?X: not to mention its math library in /lib/syslib...
?X:
 echo "Your C library seems to be in both /lib/clib
 and /lib/libc."
 xxx=apollo
 libc='/lib/clib /lib/libc'
 if $test -r /lib/syslib; then
  echo "(Your math library is in /lib/syslib.)"
?X: Put syslib in libc -- not quite right, but won't hurt
  libc="$libc /lib/syslib"
 fi
elif $test -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
 echo "Your C library seems to be in $libc, as you said before."
```

```
?X: For mips, and...
elif $test -r $incpath/usr/lib/libc$_a; then
 libc=$incpath/usr/lib/libc$_a;
 echo "Your C library seems to be in $libc.  That's fine."
elif $test -r /lib/libc$_a; then
 libc=/lib/libc$_a;
 echo "Your C library seems to be in $libc.  You're normal."
else
 if tans=`./loc libc$_a blurfl/dyick $libpth`; $test -r "$tans"; then
  :
 elif tans=`./loc libc blurfl/dyick $libpth`; $test -r "$tans"; then
  libnames="$libnames "`./loc clib blurfl/dyick $libpth`
 elif tans=`./loc clib blurfl/dyick $libpth`; $test -r "$tans"; then
  :
 elif tans=`./loc Slibc$_a blurfl/dyick $xlibpth`; $test -r "$tans"; then
  :
 elif tans=`./loc
 Mlibc$_a blurfl/dyick $xlibpth`; $test -r "$tans"; then
  :
 else
  tans=`./loc Llibc$_a blurfl/dyick $xlibpth`
 fi
 if $test -r "$tans"; then
  echo "Your C library seems to be in $tans, of all places."
  libc=$tans
 else
  libc='blurfl'
 fi
fi
if $test $xxx = apollo -o -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
 dflt="$libc"
 cat <<EOM

If the guess above is wrong (which it might be if you're using a strange
compiler, or your machine supports multiple models), you can override it here.

EOM
else
 dflt="
 echo $libpth | $tr ' ' $trnl | $sort | $uniq > libpath
 cat >&4 <<EOM
I can't seem to find your C library.  I've looked in the following places:

EOM
 $sed 's/^/ /' libpath
 cat <<EOM

None of these seems to contain your C library. I need to get its name...
```

```
EOM
fi
fn=f
rp='Where is your C library?'
. ./getfile
libc="$ans"

echo " "
echo $libc $libnames | $tr ' ' $trnl | $sort | $uniq > libnames
set X `cat libnames`
shift
xxx=files
case $# in 1) xxx=file; esac
echo
 "Extracting names from the following $xxx for later perusal:" >&4
echo " "
$sed 's/^/ /' libnames >&4
echo " "
$echo $n "This may take a while...$c" >&4

?X:
?X: Linux may need the special Dynamic option to nm for shared libraries.
?X: In general, this is stored in the nm_so_opt variable.
?X: Unfortunately, that option may be fatal on non-shared libraries.
?X:
for file in $*; do
 case $file in
 *$so*) $nm $nm_so_opt $nm_opt $file 2>/dev/null;;
 *) $nm $nm_opt $file 2>/dev/null;;
 esac
done >libc.tmp

$echo $n ".$c"
?X:
?X: To accelerate processing, we look at the correct 'sed' command
?X: by using a small subset of libc.tmp, i.e. fprintf function.
?X: When we know which sed command to use, do the name extraction
?X:
$grep fprintf libc.tmp > libc.ptf
?X:
?X: In order to enhance readability and save some space, we define
?X: some variables that will be "eval"ed.
?X:
xscan='eval "<libc.ptf $com >libc.list"; $echo $n ".$c" >&4'
xrun='eval "<libc.tmp $com >libc.list"; echo "done." >&4'
?X:
```

```
 BSD-like output, I and W types added for Linux
?X: Some versions of Linux include a leading __IO in the symbol name.
?X: HP-UX 10 reportedly has trailing spaces, though I'm surprised it has
?X: BSD-like output.  (AD).
?X: GNU extension: i is "indirect function"
xxx='[ADTSIWi]'
if com="$sed -n -e 's/__IO//' -e 's/^.* $xxx  *//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: SYSV-like output
elif com="$sed -n -e 's/^__*//' -e 's/^\([a-zA-Z_0-9$]*\).*xtern.*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e '/|UNDEF/d' -e '/FUNC..GL/s/^.*|__*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.* D __*//p' -e 's/^.* D //p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^_//' -e 's/^\([a-zA-Z_0-9]*\).*xtern.*text.*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$'
 libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|FUNC |GLOB .*|//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$grep '|' | $sed -n -e '/|COMMON/d' -e '/|DATA/d' \
    -e '/ file/d' -e 's/^\([^  ]*\).*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|FUNC |GLOB .*|//p' -e 's/^.*|FUNC |WEAK .*|//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: mips nm output (sysV)
elif com="$sed -n -e 's/^__//' -e '/|Undef/d' -e '/|Proc/s/ .*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|Proc .*|Text *| *//p'";\
 eval $xscan;\
```

```
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e '/Def. Text/s/.* \([^ ]*\)\$/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: OS/2
 nm output
elif com="$sed -n -e 's/^[-0-9a-f ]*_\(.*\)=.*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/.*\.text n\ \ \ \.//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: AIX nm output
elif com="sed -n -e 's/^__.*//' -e 's/[       ]*D[    ]*[0-9]*.*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
else
 $nm -p $* 2>/dev/null >libc.tmp
 $grep fprintf libc.tmp > libc.ptf
 if com="$sed -n -e 's/^.* [ADTSIW]  *_[_.]*//p' -e 's/^.* [ADTSIW] //p'";\
  eval $xscan; $contains '^fprintf$' libc.list >/dev/null 2>&1
 then
  nm_opt='-p'
  eval $xrun
 else
  echo " "
  echo "$nm didn't seem to work right. Trying $ar instead..." >&4
  com="
  if $ar t $libc > libc.tmp && \
   $contains '^fprintf$' libc.tmp >/dev/null 2>&1
  then
   for thisname in $libnames $libc; do
    $ar t $thisname >>libc.tmp
   done
   $sed -e "s/\\$_o\$//" < libc.tmp > libc.list
   echo
 "Ok." >&4
  elif test "X$osname" = "Xos2" && $ar tv $libc > libc.tmp; then
?X: Repeat libc to extract forwarders to DLL entries too
   for thisname in $libnames $libc; do
    $ar tv $thisname >>libc.tmp
?X: Revision 50 of EMX has bug in ar: it will not extract forwarders
?X: to DLL entries.  Use emximp which will extract exactly them.
```

```
    emximp -o tmp.imp $thisname \
        2>/dev/null && \
        $sed -e 's/^\([_a-zA-Z0-9]*\) .*$/\1/p' \
        < tmp.imp >>libc.tmp
    $rm -f tmp.imp
   done
   $sed -e "s/\\$_o\$//" -e 's/^ \+//' < libc.tmp > libc.list
   echo "Ok." >&4
  else
   echo "$ar didn't seem to work right." >&4
   echo "Maybe this is a Cray...trying bld instead..." >&4
   if  bld t $libc | \
    $sed -e 's/.*\///' -e "s/\\$_o:.*\$//" > libc.list &&
    $test -s libc.list
   then
    for thisname in $libnames; do
     bld t $libnames | \
     $sed -e 's/.*\///' -e "s/\\$_o:.*\$//" >>libc.list
     $ar t $thisname >>libc.tmp
    done
    echo "Ok." >&4
   else
    echo
 "That didn't work either.  Giving up." >&4
    exit 1
   fi
  fi
 fi
fi
nm_extract="$com"
case "$PASE" in
define)
   echo " "
   echo "Since you are compiling for PASE, extracting more symbols from libc.a ...">&4
   dump -Tv /lib/libc.a | awk '$7 == "/unix" {print $5 " " $8}' | grep "^SV" | awk '{print $2}' >> libc.list
   ;;
*)  if $test -f /lib/syscalls.exp; then
 echo " "
 echo "Also extracting names from /lib/syscalls.exp for good ole AIX..." >&4
 $sed -n 's/^\([^  ]*\)[  ]*syscall[0-9]*[  ]*$/\1/p' \
  /lib/syscalls.exp >>libc.list
   fi
   ;;
esac
;;
esac
$rm -f libnames libpath
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/libc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: man3dir.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:10:34  ram
?RCS: patch61: created
?RCS:
?X:
?X: This was originally specific to perl5.  Since perl5 has man pages that
?X: go in both man1/ and man3/ directories, we need both man1dir
?X: and man3dir.  This unit is basically dist's mansrc.U with
?X: man3 used instead of man everywhere.
?X: I then added various tests because perl5 has *lots* of man3
?X: pages with long file names. -- ADO
?X:
?MAKE:man3dir
 man3direxp man3ext installman3dir: afs cat nroff Loc Oldconfig \
 sed man1dir spackage package Getfile prefix Prefixit Prefixup \
 d_flexfnam privlib Myread
?MAKE: -pick add $@ %<
?Y:TOP
?S:man3dir:
?S: This variable contains the name of the directory in which manual
?S: source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?S:man3direxp:
?S: This variable is the same as the man3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?S:installman3dir:
?S: This variable is really the same as man3direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man3direxp only points to the read-only access location. For extra
```

```
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:man3ext:
?S: This variable contains the extension that the manual
 page should
?S: have: one of 'n', 'l', or '3'.  The Makefile must supply the '.'.
?S: See man3dir.
?S:.
: determine where library module manual pages go
set man3dir man3dir none
eval $prefixit
$cat <<EOM

$spackage has manual pages for many of the library modules.
EOM

case "$nroff" in
nroff)
 $cat <<'EOM'
However, you don't have nroff, so they're probably useless to you.
EOM
 case "$man3dir" in
 ") man3dir="none";;
 esac;;
esac

case "$d_flexfnam" in
undef)
 $cat <<'EOM'
However, your system can't handle the long file names like File::Basename.3.
EOM
 case "$man3dir" in
 ") man3dir="none";;
 esac;;
esac

echo "If you don't want the manual sources installed, answer 'none'."
?X: We dont use /usr/local/man/man3 because some man programs will
?X: only show the /usr/local/man/man3 contents, and not the system ones,
?X: thus man less will show the perl module less.pm, but not the system
?X: less command.  We might also conflict with TCL man pages.
?X: However, something like /opt/perl/man/man3
 is fine.
case "$man3dir" in
") case "$prefix" in
 *$package*) dflt=`echo $man1dir |
   $sed -e 's/man1/man3/g' -e 's/man\.1/man\.3/g'` ;;
 *) dflt="$privlib/man/man3" ;;
```

```
 esac
 ;;
' ') dflt=none;;
*) dflt="$man3dir" ;;
esac
echo " "

fn=dn+~
rp="Where do the $package library man pages (source) go?"
. ./getfile
if test "X$man3direxp" != "X$ansexp"; then
 installman3dir=''
fi

man3dir="$ans"
man3direxp="$ansexp"
case "$man3dir" in
'') man3dir=' '
 installman3dir='';;
esac
if $afs; then
 $cat <<EOM

Since you are running AFS, I need to distinguish the directory in which
manual pages reside from the directory in which they are installed (and from
which they are presumably copied to the former directory by occult means).

EOM
 case "$installman3dir" in
 '') dflt=`echo $man3direxp | sed 's#^/afs/#/afs/.#'`;;
 *) dflt="$installman3dir";;
 esac
 fn=de~
 rp='Where will man pages be installed?'
 . ./getfile
 installman3dir="$ans"
else
 installman3dir="$man3direxp"
fi

: What suffix
 to use on installed man pages

case "$man3dir" in
' ')
 man3ext='0'
 ;;
*)
```

```
 rp="What suffix should be used for the $package library man pages?"
 case "$man3ext" in
 ") case "$man3dir" in
  *3)  dflt=3 ;;
  *3p) dflt=3p ;;
  *3pm) dflt=3pm ;;
  *l) dflt=l;;
  *n) dflt=n;;
  *o) dflt=o;;
  *p) dflt=p;;
  *C) dflt=C;;
  *L) dflt=L;;
  *L3) dflt=L3;;
  *) dflt=3;;
  esac
  ;;
 *) dflt="$man3ext";;
 esac
 . ./myread
 man3ext="$ans"
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/man3dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Extras.U,v$
?RCS:
?RCS: Copyright (c) 2001, Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:extras: Myread Oldconfig Setvar rm
?MAKE: -pick add $@ %<
?Y:TOP
?S:extras:
?S: This variable holds a list of extra modules to install.
?S:.
: See if we want extra modules installed
echo " "
case "$extras" in
") dflt='n';;
*) dflt='y';;
esac
cat <<EOM
```

```
Perl can be built with extra modules or bundles of modules which
will be fetched from the CPAN and installed alongside Perl.

Notice that you will need access to the CPAN; either via the Internet,
or a local copy, for example a CD-ROM or a local CPAN mirror.  (You will
be asked later to configure the CPAN.pm module which will in turn do
the installation of the rest of the extra modules or bundles.)

Notice also that if the modules require
 any external software such as
libraries and headers (the libz library and the zlib.h header for the
Compress::Zlib module, for example) you MUST have any such software
already installed, this configuration process will NOT install such
things for you.

If this doesn't make any sense to you, just accept the default '$dflt'.
EOM
rp='Install any extra modules (y or n)?'
. ./myread
case "$ans" in
y|Y)
 cat <<EOM

Please list any extra modules or bundles to be installed from CPAN,
with spaces between the names.  The names can be in any format the
'install' command of CPAN.pm will understand.  (Answer 'none',
without the quotes, to install no extra modules or bundles.)
EOM
 rp='Extras?'
 dflt="$extras"
 . ./myread
 extras="$ans"
esac
case "$extras" in
"|'none')
 val=''
 $rm -f ../extras.lst
 ;;
*) echo "(Saving the list of extras for later...)"
 echo "$extras" > ../extras.lst
 val="'$extras'"
 ;;
esac
set extras
eval $setvar
echo " "

Found in path(s):
```

* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/Extras.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: yacc.U,v 3.0.1.1 1994/05/13 15:28:48 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: yacc.U,v $
?RCS: Revision 3.0.1.1  1994/05/13  15:28:48  ram
?RCS: patch27: added byacc as another alternative (ADO)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:10:03  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:yacc yaccflags: Guess Myread Oldconfig byacc bison cat test _exe
?MAKE: -pick add $@ %<
?S:yacc:
?S: This variable holds the name of the compiler compiler we
?S: want to use in the Makefile. It can be yacc, byacc, or bison -y.
?S:.
?S:yaccflags:
?S: This
 variable contains any additional yacc flags desired by the
?S: user.  It is up to the Makefile to use this.
?S:.
?T:comp
: determine compiler compiler
case "$yacc" in
")
 dflt=yacc;;
*)
 dflt="$yacc";;
esac
echo " "
comp='yacc'
if $test -f "$byacc$_exe"; then
 dflt="$byacc"
 comp="byacc or $comp"
fi
if $test -f "$bison$_exe"; then
 comp="$comp or bison -y"
```

```
fi
rp="Which compiler compiler ($comp) shall I use?"
. ./myread
yacc="$ans"
case "$yacc" in
*bis*)
 case "$yacc" in
 *-y*) ;;
 *)
  yacc="$yacc -y"
  echo "(Adding -y option to bison to get yacc-compatible behavior.)"
  ;;
 esac
 ;;
esac

@if yaccflags
: see if we need extra yacc flags
dflt="$yaccflags"
case "$dflt" in
") dflt=none;;
esac
$cat <<EOH

Your yacc program may need extra flags to normally process the parser sources.
Do NOT specify any -d or -v flags here, since those are explicitly known
by the various Makefiles. However, if your machine has strange/undocumented
options (like -Sr# on SCO to specify the
 maximum number of grammar rules), then
please add them here.  To use no flags, specify the word "none".

EOH
rp="Any additional yacc flags?"
. ./myread
case "$ans" in
none) yaccflags=";;
*) yaccflags="$ans";;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/yacc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: lns.U,v $
?RCS: Revision 3.0.1.1  1994/06/20  07:05:52  ram
?RCS: patch30: created by ADO
?RCS:
?X:
?X: This unit checks whether symbolic links are really supported.
?X: We can't rely on d_symlink because that may be listed in the
?X: C library but unimplemented.
?X:
?MAKE:lns: ln rm touch test
?MAKE: -pick add $@ %<
?S:lns:
?S: This variable holds the name of the command to make
?S: symbolic links (if they are supported).
  It can be used
?S: in the Makefile. It is either 'ln -s' or 'ln'
?S:.
: determine whether symbolic links are supported
echo " "
$rm -f blurfl sym
$touch blurfl
if $ln -s blurfl sym > /dev/null 2>&1 && $test -f sym; then
 echo "Symbolic links are supported." >&4
 lns="$ln -s"
else
 echo "Symbolic links are NOT supported." >&4
 lns="$ln"
fi
$rm -f blurfl sym
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/lns.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Oldsym.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:06:58  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:13  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit follows the creation of the config.sh file. It adds some
?X: special symbols: defines from patchlevel.h file if any and CONFIG,
?X: which is set to true. Then, we try to keep all the new symbols that
?X: may come from a hint file or a previous config.sh file.
?X:
?MAKE:Oldsym:
 Config_sh Options test hint src sed sort uniq
?MAKE: -pick add $@ %<
?T:CONFIG sym tmp
?F:!UU
: add special variables
$test -f $src/patchlevel.h && \
awk '/^#define/ {printf "%s=%s\n",$2,$3}' $src/patchlevel.h >>config.sh
echo "CONFIG=true" >>config.sh

: propagate old symbols
if $test -f UU/config.sh; then
?X: Make sure each symbol is unique in oldconfig.sh
 <UU/config.sh $sort | $uniq >UU/oldconfig.sh
?X:
?X: All the symbols that appear twice come only from config.sh (hence the
?X: two config.sh in the command line). These symbols will be removed by
?X: the uniq -u command. The oldsyms file thus contains all the symbols
?X: that did not appear in the produced config.sh (Larry Wall).
?X:
?X: Do not touch the -u flag of uniq.  This means you too, Jarkko.
?X:
 $sed -n 's/^\([a-zA-Z_0-9]*\)=.*/\1/p' \
  config.sh config.sh UU/oldconfig.sh |\
  $sort | $uniq -u >UU/oldsyms
 set X `cat UU/oldsyms`
 shift
 case $# in
```

```
 0) ;;
 *)
  cat <<EOM
Hmm...You had some extra variables I don't know about...I'll
 try to keep 'em...
EOM
  echo ": Variables propagated from previous config.sh file." >>config.sh
  for sym in `cat UU/oldsyms`; do
   echo "    Propagating $hint variable "'$'"$sym..."
   eval 'tmp="$'"${sym}"'"'
   echo "$tmp" | \
    sed -e "s/'/'\''\''/g" -e "s/^/$sym='/" -e "s/$/'/" >>config.sh
  done
  ;;
 esac
fi
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Oldsym.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Copyright (c) 2000, Jarkko Hietaniemi
?RCS:
?X:
?X: This unit allows the duplication of the source tree to the current
?X: directory via symbolic links.  This must be requested explicitly
?X: by them issuing a -Dmksymlinks on the command line.
?X:
?MAKE:Mksymlinks: Mkdirp lns issymlink src rsrc pkgsrc
?MAKE: -pick add $@ %<
?F:!UU
?T: dir filename tmppwd filelist
?LINT:extern mksymlinks
@if {test -f ../MANIFEST}
: Duplicate the tree with symbolic links if -Dmksymlinks was supplied
case "$mksymlinks"
```

```
 in
$define|true|[yY]*)
 echo " "
 case "$src" in
 "|'.') echo "Cannot create symlinks in the original directory." >&4
  exit 1
  ;;
 *) case "$lns:$issymlink" in
  *"ln"*" -s:"*"test -"?)
   echo "Creating the symbolic links..." >&4
   echo "(First creating the subdirectories...)" >&4
   cd ..
   awk '{print $1}' $src/MANIFEST | grep / | sed 's:/[^/]*$::' | \
    sort -u | while true
   do
    read dir
    test -z "$dir" && break
    ./UU/mkdirp $dir 2>/dev/null
    if test -d $dir; then
     : ok
    else
     echo "Failed to create '$dir'.  Aborting." >&4
     exit 1
    fi
   done
   echo "(Now creating the symlinks...)" >&4
   awk '{print $1}' $src/MANIFEST | while true; do
    read filename
    test -z "$filename" && break
    if test -f $filename; then
     if $issymlink $filename; then
      rm -f $filename
     fi
    fi
    if test -f $filename; then
     echo "$filename already exists, not symlinking."
    else
?X: Note that the following works because "$pkgsrc" is absolute
     ln
 -s $pkgsrc/$filename $filename
    fi
   done
?X: Check that everything was correctly copied
   echo "(Checking current directory...)" >&4
   cd UU
   awk '$1 !~ /PACK[A-Z]+/ {print $1}' "$rsrc/MANIFEST" | \
    (split -l 50 2>/dev/null || split -50)
   rm -f missing
```

```
  tmppwd=`pwd`
  for filelist in x??; do
   (cd ..; ls `cat "$tmppwd/$filelist"` \
    >/dev/null 2>>"$tmppwd/missing")
  done
  if test -s missing; then
   echo "Failed duplication of source tree.  Aborting." >&4
   exit 1
  fi
  ;;
 *) echo "(I cannot figure out how to do symbolic links, ignoring!)" >&4
  ;;
 esac
 ;;
esac
;;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Mksymlinks.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: installprefix.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: installprefix.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?RCS:
?MAKE:installprefix installprefixexp: Getfile Loc \
 Oldconfig afs cat package prefix
?MAKE: -pick add $@ %<
?S:installprefix:
?S: This variable holds the name of the directory below which
?S: "make install" will install the package.  For most users, this
```

```
?S: is the same
 as prefix.  However, it is useful for
?S: installing the software into a different (usually temporary)
?S: location after which it can be bundled up and moved somehow
?S: to the final location specified by prefix.
?S:.
?S:installprefixexp:
?S: This variable holds the full absolute path of installprefix
?S: with all ~-expansion done.
?S:.
: determine installation prefix for where package is to be installed.
if $afs; then
$cat <<EOM

Since you are running AFS, I need to distinguish the directory in which
files will reside from the directory in which they are installed (and from
which they are presumably copied to the former directory by occult means).

EOM
 case "$installprefix" in
 ") dflt=`echo $prefix | sed 's#^/afs/#/afs/.#'`;;
 *) dflt="$installprefix";;
 esac
else
$cat <<EOM

In some special cases, particularly when building $package for distribution,
it is convenient to distinguish the directory in which files should be
installed from the directory ($prefix) in which they will
eventually
 reside.  For most users, these two directories are the same.

EOM
 case "$installprefix" in
 ") dflt=$prefix ;;
 *) dflt=$installprefix;;
 esac
fi
fn=d~
rp='What installation prefix should I use for installing files?'
. ./getfile
installprefix="$ans"
installprefixexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/installprefix.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Warn_v7ND.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Warn_v7ND.U,v $
?RCS: Revision 3.0.1.1  1994/10/29  16:01:46  ram
?RCS: patch36: call ./v7 explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:18  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit warns V7 sites that they may not have a non-blocking read.
?X: This unit needs to be mentioned in End.U to get included.
?X:
?MAKE:Warn_v7ND: package Guess
?MAKE: -pick add $@ %<
: Warnings
if ./v7; then
 cat
 <<EOM

NOTE: many V7 systems do not have a way to do a non-blocking read.  If you
don't have any of FIONREAD, O_NDELAY, or rdchk(), the $package package
may not work as well as it might.  It might not work at all.
EOM
fi
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Warn_v7ND.U
No license file was found, but licenses were detected in source scan.

```
# $Id: errnolist.a,v 3.0 1993/08/18 12:04:35 ram Exp ram $
#
#  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
#  You may redistribute only under the terms of the Artistic Licence,
#  as specified in the README file that comes with the distribution.
#  You may reuse parts of this distribution only within the terms of
```

```
#  that same Artistic Licence; a copy of which may be found at the root
#  of the source tree for dist 4.0.
#
# Original Author: Harlan Stenn <harlan@mumps.pfcs.com>
#
# $Log: errnolist.a,v $
# Revision 3.0  1993/08/18 12:04:35  ram
# Baseline for dist 3.0 netwide release.
#
#
# This is a simple-minded awk script to generate an initialization for
# sys_errnolist on systems that don't have it.
# This file now depends only on sys/errno.h error numbers under maxerr being
# in order.  It will complain and die if not.  NOTE: It will still produce
# a compilable output file, even with errors, so you must
 check the output.
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/errnolist.a
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: nis.U,v 3.0.1.3 1997/02/28 16:17:38 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
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?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: nis.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  16:17:38  ram
?RCS: patch61: ensure suitable defaults for hostcat and friends
?RCS:
?RCS: Revision 3.0.1.2  1995/03/21  08:48:34  ram
?RCS: patch52: continued fix for NeXT NIS/NetInfo handling
?RCS:
?RCS: Revision 3.0.1.1  1995/02/15  14:16:23  ram
?RCS: patch51: now correctly handles NeXT using NIS rather than NetInfo
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:24  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:passcat
 groupcat hostcat: Myread Oldconfig test contains
?MAKE: -pick add $@ %<
```

```
?S:passcat:
?S: This variable contains a command that produces the text of the
?S: /etc/passwd file.  This is normally "cat /etc/passwd", but can be
?S: "ypcat passwd" when NIS is used.
?S: On some systems, such as os390, there may be no equivalent
?S: command, in which case this variable is unset.
?S:.
?S:groupcat:
?S: This variable contains a command that produces the text of the
?S: /etc/group file.  This is normally "cat /etc/group", but can be
?S: "ypcat group" when NIS is used.
?S: On some systems, such as os390, there may be no equivalent
?S: command, in which case this variable is unset.
?S:.
?S:hostcat:
?S: This variable contains a command that produces the text of the
?S: /etc/hosts file.  This is normally "cat /etc/hosts", but can be
?S: "ypcat hosts" when NIS is used.
?S: On some systems, such as os390, there may be no equivalent
?S: command, in which case this variable is unset.
?S:.
:
 see if we have to deal with yellow pages, now NIS.
?X: NeXT gives us some fun here, as always, by having both NIS (former YP)
?X: and NetInfo. But since it has both, it's ok to put the test inside the if.
?X: Contributed by Thomas Neumann <tom@smart.bo.open.de>.
if $test -d /usr/etc/yp || $test -d /etc/yp || $test -d /usr/lib/yp; then
@if passcat || groupcat
 case "$passcat" in
 nidump*) ;;
 *)
  case "$passcat" in
  *ypcat*) dflt=y;;
  ") if $contains '^\+' /etc/passwd >/dev/null 2>&1; then
    dflt=y
   else
    dflt=n
   fi;;
  *) dflt=n;;
  esac
  echo " "
  rp='Are you getting the passwd file via yellow pages?'
  . ./myread
  case "$ans" in
  y*) passcat='ypcat passwd'
@if groupcat
   echo "(Assuming /etc/group is also distributed.)"
   groupcat='ypcat group'
```

```
@end
   ;;
  *) passcat='cat /etc/passwd'
@if groupcat
   echo "(Assuming /etc/group is also local.)"
   groupcat='cat /etc/group'
@end
   ;;
  esac
  ;;
 esac
@end
@if hostcat
 case "$hostcat" in
 nidump*) ;;
 *)
  case
 "$hostcat" in
  *ypcat*) dflt=y;;
  ") if $contains '^\+' /etc/passwd >/dev/null 2>&1; then
    dflt=y
   else
    dflt=n
   fi;;
  *) dflt=n;;
  esac
  echo " "
  rp='Are you getting the hosts file via yellow pages?'
  . ./myread
  case "$ans" in
  y*) hostcat='ypcat hosts';;
  *) hostcat='cat /etc/hosts';;
  esac
  ;;
 esac
@end
fi
?X: Ensure suitable default -- Manoj Srivastava
case "$hostcat" in
") test -f /etc/hosts && hostcat='cat /etc/hosts';;
esac
case "$groupcat" in
") test -f /etc/group && groupcat='cat /etc/group';;
esac
case "$passcat" in
") test -f /etc/passwd && passcat='cat /etc/passwd';;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/nis.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Configdir.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Configdir.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  14:58:36  ram
?RCS: patch61: have README explicitly mention the package name
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:49  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:Configdir: package
?MAKE: -pick add $@ %<
: create .config dir to save info across Configure sessions
test -d ../.config || mkdir ../.config
cat >../.config/README <<EOF
This directory created by Configure to save
 information that should
persist across sessions for $package.

You may safely delete it if you wish.
EOF
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Configdir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
?RCS: $Log: Init.U,v $
?RCS: Revision 3.0.1.1  1994/10/31  09:45:59  ram
?RCS: patch44: removed Options from MAKE to prevent Init overrides
?RCS: patch44: option processing now done after Myinit thanks to new Begin.U
?RCS: patch44: moved "Beginning of configuration questions" to Begin.U
?RCS: patch44: moved signal trapping instruction to Begin.U as well
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:02  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This file initializes certain default variables
 used by Configure.  They
?X: may be overridden or added to by definitions in Myinit.U.
?X:
?MAKE:Init eunicefix _exe: Null
?MAKE: -pick add $@ %<
?MAKE: -pick weed $@ ./Init
?S:eunicefix:
?S: When running under Eunice this variable contains a command which will
?S: convert a shell script to the proper form of text file for it to be
?S: executable by the shell.  On other systems it is a no-op.
?S:.
?S:_exe (exe_ext):
?S: This variable defines the extension used for executable files.
?S: For unix it is empty.  Other possible values include '.exe'.
?S: DJGPP, Cygwin and OS/2 use '.exe'.  Stratus VOS uses '.pm'.
?S: On operating systems which do not require a specific extension
?S: for executable files, this variable is empty.
?S:.
?V:define undef smallmach:rmlist
?X:
?X: Throughout the units, one may make use of $define and $undef to reference
?X: a defined symbol or an undefined one. There is no need to add them in
?X: the dependency line since this unit makes them visible via ?V:, and
?X:
 everyone inherits from those symbols since by convention Init.U is the
?X: root dependency.
?X:
?T: DJGPP
: Initialize wide constants
define='define'
undef='undef'
smallmach='pdp11 i8086 z8000 i80286 iAPX286'
rmlist=''

: We must find out about Eunice early
```

```
eunicefix=':'
if test -f /etc/unixtovms; then
 eunicefix=/etc/unixtovms
fi
if test -f /etc/unixtovms.exe; then
 eunicefix=/etc/unixtovms.exe
fi

: Set executable suffix now -- needed before hints available
if test -f "/libs/version.library"; then
 : Amiga OS
  _exe=""
elif test -f "/system/gnu_library/bin/ar.pm"; then
 : Stratus VOS
 _exe=".pm"
elif test -n "$DJGPP"; then
 : DOS DJGPP
  _exe=".exe"
elif test -d c:/. ; then
 : OS/2 or cygwin
 _exe=".exe"
else
 : All other UNIX systems
 _exe=""
fi
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Init.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: warnflags.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Orginal Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: warnflags.U,v $
?RCS: Revision 3.0  1993/08/18  12:10:02  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:warnflags: cat cc contains Myread Guess Oldconfig Findhdr
```

```
?MAKE: -pick add $@ %<
?S:warnflags:
?S: This variable contains any additional C compiler flags to generate
?S: warnings from the compiler. It is up to the Makefile to use this.
?S:.
: offer additional
 warning flags for compilation
$cat <<EOH

You may wish to compile with extra compiler warnings enabled.
Note that doing so enhances your chance of receiving your free set of steak
knives, particularly if you find any bugs and report them.
If you don't want extra warnings, answer "none".

EOH
case "$warnflags" in
") case "$cc" in
 *gcc*)
  dflt="-Wall -Wno-comment"
  if $contains 'fprintf' `./findhdr stdio.h` >/dev/null 2>&1; then
   :
  else
   dflt="$dflt -Wno-implicit"
  fi
  ;;
 *) dflt="none";;
 esac
 ;;
' ') dflt="none";;
*) dflt="$warnflags";;
esac

rp="Any $cc flags to enable warnings?"
. ./myread
case "$ans" in
none) warnflags=' ';;
*) warnflags="$ans";;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/warnflags.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: man1dir.U,v 3.2 1999/07/08 20:57:21 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1996, 1999 Andy Dougherty
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
```

```
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: man1dir.U,v $
?RCS: Revision 3.2  1999/07/08 20:57:21  doughera
?RCS: Used installprefix.
?RCS:
?RCS: Revision 3.1  1999/07/08 20:52:19  doughera
?RCS: Updated for perl5.005_5x
?RCS:
?RCS: Revision 3.0.1.1  1997/02/28  16:10:29  ram
?RCS: patch61: created
?RCS:
?X: This was originally specific to perl5.  Since perl5 has man pages that
?X: go in both man1/ and man3/ directories, we need both man1dir
?X: and
 man3dir.  This unit is basically dist's mansrc.U with
?X: man1 used instead of man everywhere.
?X:
?MAKE:man1dir man1direxp man1ext installman1dir: cat nroff Loc Oldconfig \
 spackage test Getfile Setprefixvar Prefixit Prefixup sysman Myread \
 prefixexp
?MAKE: -pick add $@ %<
?Y:TOP
?D:man1dir=''
?S:man1dir:
?S: This variable contains the name of the directory in which manual
?S: source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?D:man1direxp=''
?S:man1direxp:
?S: This variable is the same as the man1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installman1dir=''
?S:installman1dir:
?S: This variable is really the same as man1direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man1direxp only points to the read-only access location.
 For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
```

```
?S:man1ext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '1'.  The Makefile must supply the '.'.
?S: See man1dir.
?S:.
?T:lookpath
?LINT:change prefixvar
?LINT:set man1direxp
: determine where manual pages go
set man1dir man1dir none
eval $prefixit
$cat <<EOM

$spackage has manual pages available in source form.
EOM
case "$nroff" in
nroff)
 echo "However, you don't have nroff, so they're probably useless to you."
 case "$man1dir" in
 ") man1dir="none";;
 esac;;
esac
echo "If you don't want the manual sources installed, answer 'none'."
case "$man1dir" in
' ') dflt=none
 ;;
")
 lookpath="$prefixexp/share/man/man1"
 lookpath="$lookpath $prefixexp/man/man1 $prefixexp/man/l_man/man1"
 lookpath="$lookpath $prefixexp/man/p_man/man1"
 lookpath="$lookpath $prefixexp/man/u_man/man1"
 lookpath="$lookpath $prefixexp/man/man.1"
?X: Experience has shown people
 expect man1dir to be under prefix,
?X: so we now always put it there.  Users who want other behavior
?X: can answer interactively or use a command line option.
?X: Does user have System V-style man paths.
 case "$sysman" in
 */?_man*) dflt=`./loc . $prefixexp/l_man/man1 $lookpath` ;;
 *) dflt=`./loc . $prefixexp/man/man1 $lookpath` ;;
 esac
 set dflt
 eval $prefixup
 ;;
*)  dflt="$man1dir"
 ;;
esac
echo " "
```

```
fn=dn+~
rp="Where do the main $spackage manual pages (source) go?"
. ./getfile
if $test "X$man1direxp" != "X$ansexp"; then
 installman1dir=''
fi
prefixvar=man1dir
. ./setprefixvar

case "$man1dir" in
'') man1dir=' '
 installman1dir='';;
esac

: What suffix to use on installed man pages

case "$man1dir" in
' ')
 man1ext='0'
 ;;
*)
 rp="What suffix should be used for the main $spackage man pages?"
 case "$man1ext" in
 '') case "$man1dir" in
  *1)  dflt=1 ;;
  *1p) dflt=1p ;;
  *1pm) dflt=1pm ;;
  *l) dflt=l;;
  *n) dflt=n;;
  *o) dflt=o;;
  *p) dflt=p;;
  *C) dflt=C;;
  *L) dflt=L;;
  *L1)
 dflt=L1;;
  *) dflt=1;;
  esac
  ;;
 *) dflt="$man1ext";;
 esac
 . ./myread
 man1ext="$ans"
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/man1dir.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: sysman.U,v 3.0.1.2 1994/06/20 07:08:43 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: sysman.U,v $
?RCS: Revision 3.0.1.2  1994/06/20  07:08:43  ram
?RCS: patch30: now explicitly states that /usr/man/man1 is the default
?RCS: patch30: added /usr/local/man/man1 to the search list
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:13:50  ram
?RCS: patch10: added support for /local/man/man1 (WAD)
?RCS: patch10: added temporary syspath variable to cut down on line length
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:55  ram
?RCS: Baseline for dist 3.0 netwide
 release.
?RCS:
?MAKE:sysman: test Loc Oldconfig
?MAKE: -pick add $@ %<
?S:sysman:
?S: This variable holds the place where the manual is located on this
?S: system. It is not the place where the user wants to put his manual
?S: pages. Rather it is the place where Configure may look to find manual
?S: for unix commands (section 1 of the manual usually). See mansrc.
?S:.
?T:syspath
: determine where manual pages are on this system
echo " "
case "$sysman" in
")
 syspath='/usr/share/man/man1 /usr/man/man1'
 syspath="$syspath /usr/man/mann /usr/man/manl /usr/man/local/man1"
 syspath="$syspath /usr/man/u_man/man1"
 syspath="$syspath /usr/catman/u_man/man1 /usr/man/l_man/man1"
 syspath="$syspath /usr/local/man/u_man/man1 /usr/local/man/l_man/man1"
 syspath="$syspath /usr/man/man.L /local/man/man1 /usr/local/man/man1"
 sysman=`./loc . /usr/man/man1 $syspath`
 ;;
esac
if $test -d "$sysman"; then
```

```
 echo "System manual is in $sysman." >&4
else
 echo "Could not find manual pages in source form."
 >&4
fi
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/sysman.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Typedef.U,v $
?RCS: Revision 3.0.1.3  1995/07/25  13:42:07  ram
?RCS: patch56: added backslash escapes within evals to prevent space problems
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  16:01:16  ram
?RCS: patch36: don't clobber visible 'val' variable, use 'varval' instead
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:05:14  ram
?RCS: patch32: created
?RCS:
?X:
?X: This unit checks for the definition of a given typedef.
?X:
?X: To use it, say:
?X: set typedef val_t default [includes]
?X: eval $typedef
?X:
?MAKE:Typedef:
 cppstdin cppminus cppflags rm contains Oldconfig
?MAKE: -pick add $@ %<
?F:!temp.c
?LINT:define typedef
?V:typedef
?S:typedef:
?S: This shell variable is used internally by Configure to check
?S: wether a given typedef is defined or not. A typical use is:
?S:  set typedef val_t default [includes]
```

```
?S:  eval $typedef
?S: That will return val_t set to default if the typedef was not found,
?S: to typedef otherwise. If no includes are specified, look in sys/types.h.
?S:.
?T:type var def inclist varval inc
: define an is-a-typedef? function
typedef='type=$1; var=$2; def=$3; shift; shift; shift; inclist=$@;
case "$inclist" in
"") inclist="sys/types.h";;
esac;
eval "varval=\$$var";
case "$varval" in
"")
 $rm -f temp.c;
 for inc in $inclist; do
  echo "#include <$inc>" >>temp.c;
 done;
 $cppstdin $cppflags $cppminus < temp.c >temp.E 2>/dev/null;
 if $contains $type temp.E >/dev/null 2>&1; then
  eval "$var=\$type";
 else
  eval "$var=\$def";
 fi;
 $rm -f temp.?;;
*) eval
 "$var=\$varval";;
esac'
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Typedef.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: lns.U,v 3.0.1.1 1994/06/20 07:05:52 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: lns.U,v $
?RCS: Revision 3.0.1.1  1994/06/20  07:05:52  ram
?RCS: patch30: created by ADO
```

```
?RCS:
?X:
?X: This unit checks whether symbolic links are really supported.
?X: We can't rely on d_symlink because that may be listed in the
?X: C library but unimplemented.
?X:
?MAKE:lns: ln rm touch
?MAKE: -pick add $@ %<
?S:lns:
?S: This variable holds the name of the command to make
?S: symbolic
 links (if they are supported).  It can be used
?S: in the Makefile. It is either 'ln -s' or 'ln'
?S:.
: determine whether symbolic links are supported
echo " "
$touch blurfl
if $ln -s blurfl sym > /dev/null 2>&1 ; then
 echo "Symbolic links are supported." >&4
 lns="$ln -s"
else
 echo "Symbolic links are NOT supported." >&4
 lns="$ln"
fi
$rm -f blurfl sym
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/lns.U
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/bitpbyte.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/instubperl.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/sig_name.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/modetype.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/sitelib.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_wcrtomb.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_strerror.U

*
/opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/protos/d_gethostprotos.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_ndbm.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Config_sh.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/prefix.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_htonl.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_access.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_endpent.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/pidtype.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/intsize.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/usrinc.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_NOFILE.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Guess.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_getespwnam.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/sockopt.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_casti32.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_gethent.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/acl/i_sysaccess.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/dist/U/Signal.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/ssizetype.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/sbrksmart.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_gethbynm.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/gidsign.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/voidflags.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_sigaction.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/Devel.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_sresuproto.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/selectminbits.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_inttypes.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_eofpipe.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_time.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_keepsig.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/need_va_copy.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/fpu.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/cpp_stuff.U
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```
?RCS: $Id$
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Options.U,v $
?RCS: Revision 3.0.1.7  1997/02/28  15:08:15  ram
?RCS: patch61: optdef.sh now starts with a "startsh"
?RCS: patch61: moved some code from Head.U
?RCS:
?RCS: Revision 3.0.1.6  1995/09/25  09:14:46  ram
?RCS: patch59: protected option parsing code against 'echo -*' option failure
?RCS:
?RCS: Revision 3.0.1.5  1995/05/12  12:04:52  ram
?RCS: patch54: added -K option for experts
?RCS:
?RCS: Revision 3.0.1.4  1995/01/30  14:27:52  ram
?RCS: patch49: this unit now exports file optdef.sh,
 not a variable
?RCS:
?RCS: Revision 3.0.1.3  1995/01/11  15:19:00  ram
?RCS: patch45: new -O option allowing -D and -U to override config.sh settings
?RCS: patch45: file optdef.sh is no longer removed after sourcing
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  15:58:06  ram
?RCS: patch36: ensure option definition file is removed before appending
?RCS: patch36: protect variable definitions with spaces in them
?RCS:
?RCS: Revision 3.0.1.1  1994/06/20  06:55:44  ram
?RCS: patch30: now uses new me symbol to tag error messages
?RCS: patch30: new -D and -U options to define/undef symbols (JHI)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:14  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: Command line parsing. It is really important that the variables used here
?X: be not listed in the MAKE line, or they will be saved in config.sh and
?X: loading this file to fetch default answers would clobber the values set
```

```
?X: herein.
?X:
?MAKE:Options: startsh
?MAKE: -pick wipe $@ %<
?V:reuseval
 alldone error realsilent silent extractsh fastread \
 override knowitall: config_sh
?T:arg argn symbol config_arg0 config_args config_argc xxx yyy zzz uuu
?T:args_exp args_sep arg_exp
?F:!Configure
?F:./optdef.sh ./cmdline.opt ./posthint.sh ./cmdl.opt
: Save command line options in file UU/cmdline.opt for later use in
: generating config.sh.
?X: This temporary file will be read by Oldsym.U.  I used a temporary
?X: file to preserve all sorts of potential command line quotes and
?X: also because we don't know in advance how many variables we'll
?X: need, so I can't actually declare them on the MAKE line.
?X: The config_args variable won't be quite correct if Configure is
?X: fed something like    ./Configure -Dcc="gcc -B/usr/ccs/bin/"
?X: since the quotes are gone by the time we see them.  You'd have to
?X: reconstruct the command line from the config_arg? lines, but since
?X: I don't imagine anyone actually having to do that, I'm not going
?X: to worry too much.
cat > cmdline.opt
 <<EOSH
: Configure command line arguments.
config_arg0='$0'
config_args='$*'
config_argc=$#
EOSH
argn=1
args_exp=''
args_sep=''
for arg in "$@"; do
 cat >>cmdline.opt <<EOSH
config_arg$argn='$arg'
EOSH
?X: Extreme backslashitis: replace each ' by '''''
 cat <<EOC | sed -e "s/'/'''''''''''''''/g" > cmdl.opt
$arg
EOC
 arg_exp=`cat cmdl.opt`
 args_exp="$args_exp$args_sep'$arg_exp'"
 argn=`expr $argn + 1`
 args_sep=' '
done
?X: args_exp is good for restarting self: eval "set X $args_exp"; shift; $0 "$@"
?X: used by hints/os2.sh in Perl, for instance
```

```
rm -f cmdl.opt

: produce awk script to parse command line options
cat >options.awk <<'EOF'
BEGIN {
 optstr = "A:dD:eEf:hKOrsSU:V"; # getopt-style specification

 len = length(optstr);
 for (i = 1; i <= len; i++) {
  c = substr(optstr, i, 1);
?X: some older awk's do not have the C ?: construct
  if (i < len) a = substr(optstr, i + 1, 1); else a = "";
  if (a == ":") {
   arg[c] = 1;
   i++;
  }
  opt[c] = 1;
 }
}
{
 expect = 0;
 str = $0;
 if (substr(str,
 1, 1) != "-") {
  printf("'%s'\n", str);
  next;
 }
 len = length($0);
 for (i = 2; i <= len; i++) {
  c = substr(str, i, 1);
  if (!opt[c]) {
   printf("-%s\n", substr(str, i));
   next;
  }
  printf("-%s\n", c);
  if (arg[c]) {
   if (i < len)
    printf("'%s'\n", substr(str, i + 1));
   else
    expect = 1;
   next;
  }
 }
}
END {
 if (expect)
  print "?";
}
```

```
EOF

: process the command line options
?X: Use "$@" to keep arguments with spaces in them from being split apart.
?X: For the same reason, awk will output quoted arguments and the final eval
?X: removes them and sets a proper $* array. An 'X' is prependend to each
?X: argument before being fed to echo to guard against 'echo -x', where -x
?X: would be understood as an echo option! It is removed before feeding awk.
set X `for arg in "$@"; do echo "X$arg"; done |
 sed -e s/X// | awk -f options.awk`
eval "set $*"
shift
rm -f options.awk

: set up default values
fastread=''
reuseval=false
config_sh=''
alldone=''
error=''
silent=''
extractsh=''
override=''
knowitall=''
rm
 -f optdef.sh posthint.sh
cat >optdef.sh <<EOS
$startsh
EOS

?X:
?X: Given that we now have the possibility to execute Configure remotely
?X: thanks to the new src.U support, we have to face the possibility
?X: of having to ask where the source lie, which means we need the Myread.U
?X: stuff and possibly other things that might echo something on the
?X: screen...
?X:
?X: That's not pretty, and might be confusing in 99% of the time. So...
?X: We introduce a new realsilent variable which is set when -s is given,
?X: and we force silent=true if -S is supplied. The Extractall.U unit
?X: will then undo the >&4 redirection based on the value of the
?X: realsilent variable... -- RAM, 18/93/96
?X:

: option parsing
while test $# -gt 0; do
 case "$1" in
 -d) shift; fastread=yes;;
```

```
-e) shift; alldone=cont;;
-f)
 shift
 cd ..
 if test -r "$1"; then
  config_sh="$1"
 else
  echo "$me: cannot read config file $1." >&2
  error=true
 fi
 cd UU
 shift;;
-h)
shift; error=true;;
-r) shift; reuseval=true;;
-s) shift; silent=true; realsilent=true;;
-E) shift; alldone=exit;;
-K) shift; knowitall=true;;
-O) shift; override=true;;
-S) shift; silent=true; extractsh=true;;
-D)
 shift
 case "$1" in
 *=)
  echo "$me: use '-U symbol=', not '-D symbol='." >&2
  echo "$me: ignoring -D $1" >&2
  ;;
 *=*) echo "$1" | \
   sed -e "s/'/'\''\''/g" -e "s/=\(.*\)/='\1'/" >> optdef.sh;;
 *) echo "$1='define'" >> optdef.sh;;
 esac
 shift
 ;;
-U)
 shift
 case "$1" in
 *=) echo "$1" >> optdef.sh;;
 *=*)
  echo "$me: use '-D symbol=val', not '-U symbol=val'." >&2
  echo "$me: ignoring -U $1" >&2
  ;;
 *) echo "$1='undef'" >> optdef.sh;;
 esac
 shift
 ;;
-A)
    shift
    xxx="
```

```
    yyy="$1"
    zzz=''
    uuu=undef
    case "$yyy" in
        *=*) zzz=`echo "$yyy"|sed 's!=.*!!'`
            case "$zzz" in
            *:*) zzz='' ;;
            *)   xxx=append
                zzz=' '`echo
"$yyy"|sed 's!^[^=]*=!!'`
                yyy=`echo "$yyy"|sed 's!=.*!!'` ;;
            esac
            ;;
        esac
        case "$xxx" in
        '')  case "$yyy" in
            *:*) xxx=`echo "$yyy"|sed 's!:.*!!'`
                yyy=`echo "$yyy"|sed 's!^[^:]*:!!'`
                zzz=`echo "$yyy"|sed 's!^[^=]*=!!'`
                yyy=`echo "$yyy"|sed 's!=.*!!'` ;;
            *)   xxx=`echo "$yyy"|sed 's!:.*!!'`
                yyy=`echo "$yyy"|sed 's!^[^:]*:!!'` ;;
            esac
            ;;
        esac
    case "$xxx" in
    append)
  echo "$yyy=\"\${$yyy}$zzz\"" >> posthint.sh ;;
    clear)
  echo "$yyy=''   >> posthint.sh ;;
    define)
        case "$zzz" in
  '') zzz=define ;;
  esac
  echo "$yyy='$zzz'"  >> posthint.sh ;;
    eval)
  echo "eval \"$yyy=$zzz\"" >> posthint.sh ;;
    prepend)
  echo "$yyy=\"$zzz\${$yyy}\"" >> posthint.sh ;;
    undef)
        case "$zzz" in
  ')
 zzz="$uuu" ;;
  esac
  echo "$yyy=$zzz"  >> posthint.sh ;;
        *)  echo "$me: unknown -A command '$xxx', ignoring -A $1" >&2 ;;
    esac
    shift
```

```
    ;;
 -V) echo "$me generated by metaconfig <VERSION> PL<PATCHLEVEL>." >&2
    exit 0;;
 --) break;;
 -*) echo "$me: unknown option $1" >&2; shift; error=true;;
 *) break;;
 esac
done

case "$error" in
true)
 cat >&2 <<EOM
Usage: $me [-dehrsEKOSV] [-f config.sh] [-D symbol] [-D symbol=value]
               [-U symbol] [-U symbol=] [-A command:symbol...]
 -d : use defaults for all answers.
 -e : go on without questioning past the production of config.sh.
 -f : specify an alternate default configuration file.
 -h : print this help message and exit (with an error status).
 -r : reuse C symbols value if possible (skips costly nm extraction).
 -s : silent mode, only echoes questions and essential information.
 -D : define symbol to have some value:
       -D symbol         symbol gets the value 'define'
       -D symbol=value
   symbol gets the value 'value'
 -E : stop at the end of questions, after having produced config.sh.
 -K : do not use unless you know what you are doing.
 -O : let -D and -U override definitions from loaded configuration file.
 -S : perform variable substitutions on all .SH files (can mix with -f)
 -U : undefine symbol:
       -U symbol    symbol gets the value 'undef'
       -U symbol=   symbol gets completely empty
 -A : manipulate symbol after the platform specific hints have been applied:
  -A symbol=value  append " "value to symbol
  -A append:symbol=value  append value to symbol
  -A define:symbol=value  define symbol to have value
       -A clear:symbol  define symbol to be "
  -A define:symbol  define symbol to be 'define'
  -A eval:symbol=value  define symbol to be eval of value
  -A prepend:symbol=value prepend value to symbol
  -A undef:symbol  define symbol to be 'undef'
  -A undef:symbol=  define symbol to be "
 -V : print version number and exit (with
 a zero status).
EOM
 exit 1
 ;;
esac
```

```
?X:
?X: Unless they specified either -S or both -d and -e/E, make sure we're
?X: running interactively, i.e. attached to a terminal. Moved from Head.U to
?X: be able to handle batch configurations...
?X:
?X: We have to hardwire the Configure name and cannot use $me, since if they
?X: said 'sh <Configure', then $me is 'sh'...
?X:
: Sanity checks
case "$fastread$alldone" in
yescont|yesexit) ;;
*)
 case "$extractsh" in
 true) ;;
 *)
  if test ! -t 0; then
   echo "Say 'sh Configure', not 'sh <Configure'"
   exit 1
  fi
  ;;
 esac
 ;;
esac

?X: In silent mode, the standard output is closed. Questions are asked by
?X: outputing on file descriptor #4, which is the original stdout descriptor.
?X: This filters out all the "junk", since all the needed information is written
?X: on #4. Note that ksh will not let us redirect output if the file descriptor
?X: has not be defined yet, unlike sh, hence the following line...--RAM.
exec 4>&1
case "$silent" in
true)
 exec 1>/dev/null;;
esac

: run the defines and the undefines, if any, but leave the file out there...
touch optdef.sh
. ./optdef.sh
: create the posthint manipulation script and leave the file out there...
?X: this file will be perused by Oldconfig.U
touch posthint.sh
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Options.U
No license file was found, but licenses were detected in source scan.

?RCS: Id

```
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Csym.U,v $
?RCS: Revision 3.0.1.4  1995/07/25  13:36:29  ram
?RCS: patch56: re-arranged compile line to include ldflags before objects
?RCS: patch56: added quotes for OS/2 support
?RCS:
?RCS: Revision 3.0.1.3  1995/05/12  12:00:33  ram
?RCS: patch54: fixed C test program to bypass gcc builtin type checks (ADO)
?RCS:
?RCS: Revision 3.0.1.2  1994/10/31  09:34:13  ram
?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U
?RCS:
?RCS: Revision 3.0.1.1  1993/08/25  14:00:05  ram
?RCS:
 patch6: added ldflags as a conditional dependency and to compile line
?RCS: patch6: a final double quote was missing in csym variable after eval
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:50  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:Csym: Options contains libc libs runnm +cc +ccflags +ldflags rm
?MAKE: -pick add $@ %<
?LINT:define csym
?LINT:use libc
?S:csym:
?S: This shell variable is used internally by Configure to check
?S: wether a given C symbol is defined or not. A typical use is:
?S:  set symbol result [-fva] [previous]
?S:  eval $csym
?S: That will set result to 'true' if the function [-f], variable [-v]
?S: or array [-a] is defined, 'false' otherwise. If a previous value is
?S: given and the -r flag was provided on the command line, that value
?S: is reused without questioning.
?S:.
?V:csym
?T:tval tx tlook tf tdc tc
: is a C symbol defined?
csym='tlook=$1;
case "$3" in
-v) tf=libc.tmp; tc=""; tdc="";;
```

```
-a) tf=libc.tmp; tc="[0]"; tdc="[]";;
*) tlook="^$1\$";
 tf=libc.list; tc=""; tdc="()";;
esac;
tx=yes;
case "$reuseval-$4" in
true-) ;;
true-*) tx=no; eval "tval=\$$4"; case "$tval" in "") tx=yes;; esac;;
esac;
case "$tx" in
yes)
 case "$runnm" in
 true)
  if $contains $tlook $tf >/dev/null 2>&1;
  then tval=true;
  else tval=false;
  fi;;
 *)
?X:
?X: We use 'char' instead of 'int' to try to circumvent overzealous
?X: optimizing compilers using built-in prototypes for commonly used
?X: routines to complain when seeing a different external declaration. For
?X: instance, gcc 2.6.3 fails if we use 'int' and we attempt a test against
?X: memcpy() on machines where sizeof(int) == sizeof(char *) (the usual return
?X: type), the compiler assuming it's a built-in declaration given that the
?X: returned size matches. At least with 'char' we are safe! -- RAM, for ADO
?X:
?X: Let's thank GNU cc for making our lifes so easy! :-)
?X: (An alternative for the future would be to use our knowledge about gcc
?X: to force a -fno-builtin option in the
 compile test, in case the 'char'
?X: trick is obsoleted by future gcc releases). -- RAM
?X:
?X: Lastly, gcc 3.4 otimizes &missing == 0 away, so we use + 2 instead now.
?X: The GNU folks like to do weird things, don't they? -- RAM, 2004-06-05
?X:
  echo "extern char $1$tdc; int main() { return &$1$tc + 2; }" > t.c;
  if $cc $ccflags $ldflags -o t t.c $libs >/dev/null 2>&1;
  then tval=true;
  else tval=false;
  fi;
  $rm -f t t.c;;
 esac;;
*)
 case "$tval" in
 $define) tval=true;;
 *) tval=false;;
 esac;;
```

```
esac;
eval "$2=$tval"'
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Csym.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: lib.U,v $
?RCS: Revision 3.0.1.3  1995/09/25  09:16:47  ram
?RCS: patch59: unit is now forced to the top of Configure, if possible
?RCS:
?RCS: Revision 3.0.1.2  1995/01/30  14:38:08  ram
?RCS: patch49: can now handle installation prefix changes (from WED)
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:27:40  ram
?RCS: patch32: now uses installation prefix to set the default
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:56  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:lib libexp: Getfile
 Loc Oldconfig Prefixit Prefixup prefixexp
?MAKE: -pick add $@ %<
?Y:TOP
?S:lib:
?S: This variable holds the name of the directory in which the user wants
?S: to put public library files for the package in question.  It is most
?S: often a local directory such as /usr/local/lib. Programs using this
?S: variable must be prepared to deal with filename expansion.
?S:.
?S:libexp:
?S: This variable is the same as the lib variable, but is filename expanded
?S: at configuration time, for convenient use in your makefiles.
?S:.
: determine where public libraries go
set lib lib
eval $prefixit
```

```
case "$lib" in
")
 dflt=`./loc . "." $prefixexp/lib /usr/local/lib /usr/lib /lib`
 set dflt
 eval $prefixup
 ;;
*)  dflt="$lib";;
esac
echo " "
fn=d~
rp='Where do you want to put the public libraries?'
. ./getfile
lib="$ans"
libexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/lib.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Prefixup.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Prefixup.U,v $
?RCS: Revision 3.0.1.1  1995/01/30  14:30:40  ram
?RCS: patch49: created
?RCS:
?X:
?X: Used as: "set dflt; eval $prefixup" to set $dflt to be $prefix/dir
?X: instead of $prefixexp/dir, in case portability was involved somehow
?X: and $prefix uses ~name expansion.
?X:
?MAKE:Prefixup: prefix prefixexp
?MAKE: -pick add $@ %<
?LINT:define prefixup
?S:prefixup:
?S: This shell variable is used internally by Configure to reset
?S: the leading
 installation prefix correctly when $prefix uses
?S: ~name expansion.
?S:  set dflt
```

```
?S:  eval $prefixup
?S: That will set $dflt to $prefix/dir if it was $prefixexp/dir and
?S: $prefix differs from $prefixexp.
?S:.
?V:prefixup
: set the prefixup variable, to restore leading tilda escape
prefixup='case "$prefixexp" in
"$prefix") ;;
*) eval "$1=\`echo \$$1 | sed \"s,^$prefixexp,$prefix,\"\`";;
esac'
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Prefixup.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_group.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_group.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  15:34:52  ram
?RCS: patch61: useless unit dropped.
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:07:48  ram
?RCS: patch32: created by ADO
?RCS:
?X:
?X: Useless unit dropped.
?X:
?LINT:empty
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_group.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS:
?X:
?X: This unit is just a quick shorthand for the compile command
?X: to be used in all the other metaconfig units.
?X:
?MAKE:Compile: +cc +optimize +ccflags +ldflags +libs
?MAKE: -pick add $@ %<
?LINT:define compile compile_ok
?V:compile compile_ok mc_file
?S:compile:
?S: This shell variable is used internally
 by Configure to provide
?S: a convenient shorthand for the typical compile command, namely
?S: $cc $optimize $ccflags $ldflags -o $1 $1.c $libs > /dev/null 2>&1
?S: Note that the output filename does _not_ include the _exe
?S: extension.  Instead we assume that the linker will be
?S: "helpful" and automatically appending the correct suffix.
?S: OS/2 users will apparently need to supply the -Zexe flag to
?S: get this behavior.
?S:
?S: To use this variable, say something like:
?S:  echo 'int main() { exit(0); }' > try.c
?S:  set try
?S:  if eval $compile; then
?S:   echo "success"   # and do whatever . . .
?S:  else
?S:   echo "failure"   # and do whatever . . .
?S:  fi
?S: To add extra flags cc flags (e.g. -DWHATEVER) just put them
?S: in $*, e.g.
?S:  set try -DTRY_THIS_FLAG
?S:.
?S:compile_ok:
?S: This shell variable is used internally by Configure to provide
?S: a convenient shorthand for the typical compile command that you
?S: expect to work ok.  It is the same as $compile,
```

```
 except we
?S: deliberately let the user see any error messages.
?S:.
: define a shorthand compile call
compile='
mc_file=$1;
shift;
$cc -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs > /dev/null 2>&1;'
: define a shorthand compile call for compilations that should be ok.
compile_ok='
mc_file=$1;
shift;
$cc -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs;'
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Compile.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Null.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Null.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:10  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit ends up producing shell code to set all variables to ".  This
?X: probably isn't necessary, but I'm paranoid.  About certain things.
?X:
?MAKE:Null: Head
?MAKE: -pick add.Null $@ %<
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Null.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2000, Andy Dougherty
```

```
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:versionONLY: cat Myread Setvar Devel
?MAKE: -pick add $@ %<
?LINT:set versionONLY
?Y:TOP
?S:versionONLY:
?S: If set, this symbol indicates that only the version-specific
?S: components of a perl installation should be installed.
?S: This may be useful for making a test installation of a new
?S: version without disturbing the existing installation.
?S: Setting versionONLY is equivalent to setting installperl's -v option.
?S: In particular, the non-versioned scripts and programs such as
?S: a2p, c2ph, h2xs, pod2*, and perldoc
 are not installed
?S: (see INSTALL for a more complete list).  Nor are the man
?S: pages installed.
?S: Usually, this is undef.
?S:.
?LINT:extern inc_version_list
?LINT:change inc_version_list
?LINT:extern inc_version_list_init
?LINT:change inc_version_list_init
?LINT:extern version
: determine whether to use a version number suffix for installed binaries
echo " "
$cat <<EOM
Do you want to use a version number suffix for installed binaries? This
will install 'perl$version' instead of 'perl', and likewise for other
binaries like 'perldoc' and 'cpan'. This allows many versions of perl
to be installed side-by-side. Unless you are a developer, you probably
do *not* want to do this.
EOM
case "$versionONLY" in
"$define"|[Yy]*|true) dflt='y' ;;
*) dflt='n';
esac
rp="Do you want to use a version number suffix for installed binaries?"
. ./myread
case "$ans" in
[yY]*) val="$define";;
*) val="$undef" ;;
esac
```

```
set versiononly
eval $setvar

case "$versiononly" in
"$define") inc_version_list="
        inc_version_list_init=0
        ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/versiononly.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: sysman.U,v $
?RCS: Revision 3.0.1.2  1994/06/20  07:08:43  ram
?RCS: patch30: now explicitly states that /usr/man/man1 is the default
?RCS: patch30: added /usr/local/man/man1 to the search list
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:13:50  ram
?RCS: patch10: added support for /local/man/man1 (WAD)
?RCS: patch10: added temporary syspath variable to cut down on line length
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:55  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:sysman: test
 Loc Oldconfig
?MAKE: -pick add $@ %<
?S:sysman:
?S: This variable holds the place where the manual is located on this
?S: system. It is not the place where the user wants to put his manual
?S: pages. Rather it is the place where Configure may look to find manual
?S: for unix commands (section 1 of the manual usually). See mansrc.
?S:.
?T:syspath
: determine where manual pages are on this system
echo " "
```

```
case "$sysman" in
")
 syspath='/usr/share/man/man1 /usr/man/man1'
 syspath="$syspath /usr/man/mann /usr/man/manl /usr/man/local/man1"
 syspath="$syspath /usr/man/u_man/man1 /usr/share/man/man1"
 syspath="$syspath /usr/catman/u_man/man1 /usr/man/l_man/man1"
 syspath="$syspath /usr/local/man/u_man/man1 /usr/local/man/l_man/man1"
 syspath="$syspath /usr/man/man.L /local/man/man1 /usr/local/man/man1"
 sysman=`./loc . /usr/man/man1 $syspath`
 ;;
esac
if $test -d "$sysman"; then
 echo "System manual is in $sysman." >&4
else
 echo "Could not find manual pages in source form." >&4
fi
```

Found
 in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/sysman.U
No license file was found, but licenses were detected in source scan.

```
/*|?:[\/]*)
if test -f "$xxx"; then
: ok
else
./warn "no $xxx -- ignoring your setting for $file."
xxx=`./loc $file $file $pth`
fi
;;
") xxx=`./loc $file $file $pth`;;
*) xxx=`./loc $xxx $xxx $pth`;;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\/]*)
echo $file is in $xxx.
;;
*)
echo "I don't know where '$file' is, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
```

```
;;
esac
done
echo " "
echo "Don't worry if any of the following aren't found..."
say=offhand
for file in $trylist; do
?X: Allow them to -Dmake=pmake on the command line for instance (see above)
eval xxx=\$$file
case "$xxx" in
/*|?:[\\/]*)
if test -f "$xxx"; then
: ok
else
./warn "no $xxx -- ignoring your setting for $file."
xxx=`./loc $file $file $pth`
fi
;;
") xxx=`./loc $file $file $pth`;;
*) xxx=`./loc $xxx
 $xxx $pth`;;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\\/]*)
echo $file is in $xxx.
;;
*)
echo "I don't see $file out there, $say."
say=either
;;
esac
done
case "$egrep" in
egrep)
echo "Substituting grep for egrep."
egrep=$grep
_egrep=$_grep
;;
esac
@if ln
case "$ln" in
ln)
```

```
echo "Substituting cp for ln."
ln=$cp
_ln=$_cp
;;
esac
@end
@if make || gmake
case "$make" in
make)
case "$gmake" in
gmake)
echo "I can't find make or gmake, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac
;;
esac
case "$gmake" in
gmake) ;;
*) # We can't have osname yet.
if test -f "/system/gnu_library/bin/ar.pm"; then # Stratus VOS
# Assume that gmake, if found, is definitely GNU make
# and prefer it over the system make.
echo "Substituting gmake for make."
make=$gmake
_make=$_gmake
fi
;;
esac
@end
case "$test" in
test)
echo "Hopefully test is built into
 your sh."
;;
*)
if `sh -c "PATH= test true" >/dev/null 2>&1`; then
echo "Using the test built into your sh."
?X:
?X: We need to set both test and _test, since Oldconfig.U will use the _test
?X: value to systematically restore computed paths, which may be wrong if
?X: we choose to load an old config.sh generated on another platform.
?X:
test=test
_test=test
fi
;;
```

```
esac
?LINT:change n c
case "$echo" in
echo)
echo "Hopefully echo is built into your sh."
;;
?X: For those rare cases where we don't need $echo...
") ;;
*)
echo " "
echo "Checking compatibility between $echo and builtin echo (if any)..." >&4
$echo $n "hi there$c" >foo1
echo $n "hi there$c" >foo2
if cmp foo1 foo2 >/dev/null 2>&1; then
echo "They are compatible.  In fact, they may be identical."
else
case "$n" in
'-n') n=" c='\c';;
*) n='-n' c=";;
esac
cat <<FOO
They are not compatible!  You are probably running ksh on a non-USG system.
I'll have to use $echo instead of the builtin, since Bourne shell doesn't
have echo built
 in and we may have to run some Bourne shell scripts.  That
means I'll have to use '$n$c' to suppress newlines now.  Life is ridiculous.

FOO
$echo $n "The star should be here-->$c"
$echo "*"
fi
$rm -f foo1 foo2
;;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Loc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: inc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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```

```
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: inc.U,v $
?RCS: Revision 3.0  1993/08/18  12:08:51  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:inc incexp: Loc Oldconfig Getfile usrinc
?MAKE: -pick add $@ %<
?S:inc:
?S: This variable holds the name of the directory in which the user wants
?S: to put public header files for the package in question.  It is most
?S: often a local directory such as /usr/local/include.
?S:.
?S:incexp:
?S: This is the same as the inc variable, but is filename
 expaned
?S: at configuration time for convenient use in your makefiles.
?S:.
: determine where public header files go
case "$inc" in
")
 dflt=`./loc . "." /usr/local/include /usr/include/local $usrinc`
 ;;
*)  dflt="$inc"
 ;;
esac
fn=d~
rp='Where do you want to put the public header files?'
. ./getfile
inc="$ans"
incexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/inc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Whoa.U,v 3.0.1.2 1997/02/28 15:21:21 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Whoa.U,v $
```

```
?RCS: Revision 3.0.1.2  1997/02/28  15:21:21  ram
?RCS: patch61: whoa script now starts with leading "startsh"
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  16:02:01  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:19  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in in order
?X: to warn the user in case a change into a variable
 is noticed.
?X:
?X: To use this unit, $was must hold the old value that has changed. Upon
?X: exit, the two variables $td and $tu are set to the correct value for
?X: respectively defining or undefining a variable. For instance, if $vas was
?X: $undef, but now $var is $define, after calling . whoa, you should use
?X: eval "$var=\$tu" to finally set $var to the correct value. See unit Inlibc.
?X:
?MAKE:Whoa: Myread startsh hint
?MAKE: -pick add $@ %<
?F:./whoa
?T:var was td tu hintfile
: set up the script used to warn in case of inconsistency
cat <<EOS >whoa
$startsh
EOS
cat <<'EOSC' >>whoa
dflt=y
case "$hint" in
   recommended)
 case "$hintfile" in
 ") echo "The $hint value for \$$var on this machine was \"$was\"!" >&4
  ;;
 *) echo "Hmm.  Based on the hints in hints/$hintfile.sh, " >&4
  echo "the $hint value for \$$var on this machine was \"$was\"!" >&4
  ;;
 esac
 ;;
   *) echo " "
 echo "*** WHOA THERE!!! ***" >&4
 echo "    The $hint value for \$$var on this machine was
 \"$was\"!" >&4
 ;;
esac
rp="    Keep the $hint value?"
. ./myread
```

```
case "$ans" in
y) td=$was; tu=$was;;
esac
EOSC
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Whoa.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: usenm.U,v 3.0.1.1 1997/02/28 16:26:40 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: usenm.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:26:40  ram
?RCS: patch61: don't use nm with the GNU C library
?RCS: patch61: added support for Linux shared libs
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:57  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:usenm runnm nm_opt nm_so_opt: cat test Myread Oldconfig myuname grep \
 nm d_gnulibc osname egrep rsrc
?MAKE: -pick add $@ %<
?S:usenm:
?S: This variable contains 'true' or 'false' depending
 whether the
?S: nm extraction is wanted or not.
?S:.
?S:runnm:
?S: This variable contains 'true' or 'false' depending whether the
?S: nm extraction should be performed or not, according to the value
?S: of usenm and the flags on the Configure command line.
?S:.
?S:nm_opt:
?S: This variable holds the options that may be necessary for nm.
?S:.
?S:nm_so_opt:
?S: This variable holds the options that may be necessary for nm
?S: to work on a shared library but that can not be used on an
?S: archive library.  Currently, this is only used by Linux, where
```

```
?S: nm --dynamic is *required* to get symbols from an ELF library which
?S: has been stripped, but nm --dynamic is *fatal* on an archive library.
?S: Maybe Linux should just always set usenm=false.
?S:.
: see if nm is to be used to determine whether a symbol is defined or not
?X: If there is enough inquiries, it might be worth to wait for the nm
?X: extraction. Otherwise, the C compilations might be a better deal.
?X:
?X: Don't bother if we're
 using GNU libc -- skimo
?LINT:extern PASE
case "$usenm" in
")
 dflt="
 case "$d_gnulibc" in
 "$define")
  echo " "
  echo "nm probably won't work on the GNU C Library." >&4
  dflt=n
  ;;
 esac
 case "$dflt" in
 ")
  if $test "$osname" = aix -a "X$PASE" != "Xdefine" -a ! -f /lib/syscalls.exp; then
   echo " "
   echo "Whoops!  This is an AIX system without /lib/syscalls.exp!" >&4
   echo "'nm' won't be sufficient on this system." >&4
   dflt=n
  fi
  ;;
 esac
 case "$dflt" in
 ") dflt=`$egrep 'inlibc|csym' $rsrc/Configure | wc -l 2>/dev/null`
  if $test $dflt -gt 20; then
   dflt=y
  else
   dflt=n
  fi
  ;;
 esac
 ;;
*)
 case "$usenm" in
 true|$define) dflt=y;;
 *) dflt=n;;
 esac
 ;;
esac
```

```
$cat <<EOM

I can use $nm to extract the symbols from your C libraries. This
is a time consuming task which may generate huge output on the disk (up
to 3 megabytes) but that should make the symbols extraction faster. The
alternative is to skip the 'nm' extraction part and to compile a small
test
 program instead to determine whether each symbol is present. If
you have a fast C compiler and/or if your 'nm' output cannot be parsed,
this may be the best solution.

You probably shouldn't let me use 'nm' if you are using the GNU C Library.

EOM
rp="Shall I use $nm to extract C symbols from the libraries?"
. ./myread
case "$ans" in
[Nn]*) usenm=false;;
*) usenm=true;;
esac

?X: Name extraction is to be run if 'nm' usage is wanted and if no -r flag
?X: was provided to configure (in which case we simply re-use the previous
?X: values).
runnm=$usenm
case "$reuseval" in
true) runnm=false;;
esac

: nm options which may be necessary
case "$nm_opt" in
") if $test -f /mach_boot; then
  nm_opt=" # Mach
 elif $test -d /usr/ccs/lib; then
  nm_opt='-p' # Solaris (and SunOS?)
 elif $test -f /dgux; then
  nm_opt='-p' # DG-UX
 elif $test -f /lib64/rld; then
  nm_opt='-p' # 64-bit Irix
 else
  nm_opt="
 fi;;
esac

: nm options which may be necessary for shared libraries but illegal
: for archive
 libraries.  Thank you, Linux.
case "$nm_so_opt" in
```

```
") case "$myuname" in
 *linux*|gnu*)
  if $nm --help | $grep 'dynamic' > /dev/null 2>&1; then
   nm_so_opt='--dynamic'
  fi
  ;;
 esac
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/usenm.U
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```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Filexp.U,v $
?RCS: Revision 3.0.1.2  1994/10/29  15:52:53  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS: patch36: added HOME to the ?T: line since metalint now checks ${HOME}
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  14:03:00  ram
?RCS: patch23: made sure error status from csh is propagated (WED)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:53  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a shell script which will expand filenames beginning
?X:
 with tildes.  The script is deleted at the end of Configure.
?X:
?MAKE:Filexp: startsh sed test expr eunicefix
?MAKE: -pick add $@ %<
?F:./filexp
?T:HOME LOGDIR dir me name failed
: set up shell script to do ~ expansion
cat >filexp <<EOSS
$startsh
```

```
: expand filename
?X:
?X: The case entries below escape the ~ as some shells have shown expansion
?X: of the ~ during here-doc processing.
?X:
case "\$1" in
\~/*|\~)
 echo \$1 | $sed "s|~|\${HOME-\$LOGDIR}|"
 ;;
\~*)
 if $test -f /bin/csh; then
  /bin/csh -f -c "glob \$1"
  failed=\$?
  echo ""
  exit \$failed
 else
  name=\`$expr x\$1 : '..\([^/]*\)'\`
  dir=\`$sed -n -e "/^\${name}:/{s/^[^:]*:[^:]*:[^:]*:[^:]*:[^:]*:\([^:]*\).*'"\$'"/\1/" -e p -e q -e '}' </etc/passwd\`
  if $test ! -d "\$dir"; then
   me=\`basename \$0\`
   echo "\$me: can't locate home directory for: \$name" >&2
   exit 1
  fi
  case "\$1" in
  */*)
   echo \$dir/\`$expr x\$1 : '..[^/]*/\(.*\)'\`
   ;;
  *)
   echo \$dir
   ;;
  esac
 fi
 ;;
*)
 echo \$1
 ;;
esac
EOSS
chmod
 +x filexp
$eunicefix filexp
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Filexp.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: Extractall.U 1 2006-08-24 12:32:52Z rmanfredi $

```
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extractall.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:00:43  ram
?RCS: patch61: created
?RCS:
?X:
?X: If extraction has been requested, load the configuration file, perform
?X: the extraction and exit.
?X:
?X: This unit was originally a part of Options.U. It had to be removed from
?X: it to prevent a dependency cycle: Extract -> src -> Options -> Extract
?X: The Begin.U unit now requires us before beginning to do anything
?X: interesting, to ensure
 proper semantics. -- RAM, 15/03/96
?X:
?MAKE:Extractall: Extract Options
?MAKE: -pick wipe $@ %<
: extract files and exit if asked to do so
case "$extractsh" in
true)
?X: Undo the forced silent=true when -S was supplied, by probing realsilent
?X: which was set iff -s was also given. See Options.U for details.
 case "$realsilent" in
 true) ;;
 *) exec 1>&4;;
 esac
 case "$config_sh" in
 ") config_sh='config.sh';;
 esac
 echo " "
 echo "Fetching answers from $config_sh..."
 cd ..
 . $config_sh
?X: extract has to be run from the top directory, not within UU.
 . UU/optdef.sh
 echo " "
?X: extract has to be run from the top directory, not within UU.
 . UU/extract
 rm -rf UU
 echo "Extraction done."
```

```
 exit 0
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Extractall.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libnlist.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libnlist.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:08:02  ram
?RCS: patch61: added usrinc and mips on the dependency line
?RCS: patch61: make sure we call ./mips
?RCS: patch61: added a ?LINT: hint
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:00  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libnlist: Loc libpth Guess usrinc _a
?MAKE: -pick add $@ %<
?S:libnlist (libmld):
?S: This variable contains the name of the library required to
 get the
?S: definition of the nlist() function.  On a MIPS RISC/OS box, it is -lmld.
?S: Under Sys Vr4, it is -lelf.  Otherwise, its value is empty.
?S:.
?T:xxx
?LINT:use usrinc
: see if we need a special library for 'nlist()'
echo " "
: How about doing this if nlist is not in libc...
if ./mips ; then
 libnlist='-lmld'
else
 xxx=`./loc libelf$_a x $libpth`
 case "$xxx" in
 x)  ;;
 *)
```

```
  libnlist="$xxx"
  ;;
 esac
fi
case "$libnlist" in
") echo "No special library for nlist() seems necessary." >&4
 ;;
*)  echo "nlist() can be found in $libnlist." >&4
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libnlist.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: baserev.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: baserev.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:24  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:baserev: Null
?MAKE: -pick wipe $@ %<
?S:baserev:
?S: The base revision level of this package, from the .package file.
?S:.
: set the base revision
baserev=<BASEREV>
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/baserev.U
No license file was found, but licenses were detected in source scan.

```
/*
* $Id: dup2.C,v 3.0.1.1 1994/01/24 13:58:37 ram Exp ram $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
```

```
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* Original Author: Larry Wall <lwall@netlabs.com>
*
* $Log: dup2.C,v $
* Revision 3.0.1.1  1994/01/24  13:58:37  ram
* patch16: created
*
*/
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/C/fake/dup2.C
No license file was found, but licenses were detected in source scan.

```
# $Id: errnolist.sh,v 3.0.1.1 1994/01/24 14:00:00 ram Exp ram $
#
#  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
#  You may redistribute only under the terms of the Artistic Licence,
#  as specified in the README file that comes with the distribution.
#  You may reuse parts of this distribution only within the terms of
#  that same Artistic Licence; a copy of which may be found at the root
#  of the source tree for dist 4.0.
#
# Original Author: Harlan Stenn <harlan@mumps.pfcs.com>
#
# $Log: errnolist.sh,v $
# Revision 3.0.1.1  1994/01/24  14:00:00  ram
# patch16: changed top ln-style config.sh lookup into test-style one
#
# Revision 3.0  1993/08/18  12:04:36  ram
# Baseline for dist 3.0 netwide release.
#
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/errnolist.SH
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: perl5.U,v $
?RCS:
?RCS: Copyright (c) 2000 Andrew Dougherty
?RCS:
```

```
?RCS:     You may distribute under the terms of either the GNU General Public
?RCS:     License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: perl5.U,v $
?RCS:
?X:
?X: The purpose of this unit is to locate a previously installed
?X: version of perl5 suitable for running inc_version_list.U.
?X: We check for 5.005 and later because inc_version_list is
?X: irrelevant for earlier versions.
?X:
?MAKE:perl5: path_sep binexp test sed exe_ext
?MAKE: -pick add $@ %<
?Y:TOP
?S:perl5:
?S: This variable contains the full path (if any) to a previously
?S: installed perl5.005 or later suitable for running the script
?S: to determine inc_version_list.
?S:.
?T: tdir
: Find perl5.005 or later.
echo "Looking for a previously installed perl5.005 or later... "
case "$perl5" in
") for tdir in `echo "$binexp$path_sep$PATH" | $sed "s/$path_sep/
 /g"`; do
  : Check if this perl is recent and can load a simple module
  if $test -x $tdir/perl$exe_ext && $tdir/perl -Mless -e 'use 5.005;' >/dev/null 2>&1; then
   perl5=$tdir/perl
   break;
  elif $test -x $tdir/perl5$exe_ext && $tdir/perl5 -Mless -e 'use 5.005;' >/dev/null 2>&1; then
   perl5=$tdir/perl5
   break;
  fi
 done
 ;;
*) perl5="$perl5"
 ;;
esac
case "$perl5" in
") echo "None found.  That's ok.";;
*) echo "Using $perl5." ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/perl5.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libs.U,v $
?RCS: Revision 3.0.1.6  1997/02/28  16:09:11  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.5  1995/07/25  14:12:05  ram
?RCS: patch56: now knows about OS/2 platforms
?RCS:
?RCS: Revision 3.0.1.4  1994/10/29  16:24:22  ram
?RCS: patch36: removed old broken thislib/thatlib processing (ADO)
?RCS:
?RCS: Revision 3.0.1.3  1994/06/20  07:05:44  ram
?RCS: patch30: code cleanup with if/elif by ADO and RAM
?RCS: patch30: undone patch23 for libswanted default
 setting
?RCS:
?RCS: Revision 3.0.1.2  1994/05/06  15:08:45  ram
?RCS: patch23: now includes ordered default libswanted variable (ADO)
?RCS: patch23: major cleanup for library lookups (ADO)
?RCS:
?RCS: Revision 3.0.1.1  1993/08/25  14:02:31  ram
?RCS: patch6: added default for libs
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:03  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libs libsfound libsfiles libsdirs libspath libscheck: \
 test cat Myread Oldconfig Loc libpth package xlibpth so _a \
 +usesocks sed +cc +ccflags +ldflags rm
?MAKE: -pick add $@ %<
?S:libs:
?S: This variable holds the additional libraries we want to use.
?S: It is up to the Makefile to deal with it.  The list can be empty.
?S:.
?S:libsfound:
?S: This variable holds the full pathnames of the libraries
?S: we found and accepted.
?S:.
?S:libsfiles:
```

```
?S: This variable holds the filenames aka basenames of the libraries
?S: we found and accepted.
?S:.
?S:libsdirs:
?S: This variable holds the directory
 names aka dirnames of the libraries
?S: we found and accepted, duplicates are removed.
?S:.
?S:libspath:
?S: This variable holds the directory names probed for libraries.
?S:.
?S:libscheck:
?S: This variable is intended to be set by hint files, if needed.
?S: It should contain shell code that will be eval'ed with $xxx holding
?S: some library file.  It may change $xxx if needed.
?S: For instance, on an Irix platform, you may make sure the right
?S: library file is used depending on the cc command line, so that the
?S: correct library is used depending on the selected ABI (for 32 and
?S: 64-bit compilations).
?S:
?S: Here is an example of code that could be found in a hint file on Irix
?S: when the selected compiler was for 32-bit -- that code is put in the
?S: cc.cbu call-back unit to be invoked AFTER the C compiler and its
?S: flags have been chosen:
?S:
?S:  libscheck='case "$xxx" in
?S:  *.a) /bin/ar p $xxx `/bin/ar t $xxx | sed q` >$$.o;
?S:   case "`/usr/bin/file $$.o`" in
?S:   *N32*)
 rm -f $$.o ;;
?S:   *) rm -f $$.o; xxx=/no/n32$xxx ;;
?S:   esac ;;
?S:  *) case "`/usr/bin/file $xxx`" in
?S:   *N32*) ;;
?S:   *) xxx=/no/n32$xxx ;;
?S:   esac ;;
?S:  esac'
?S:.
?D:libs="
?LINT:extern libswanted
?LINT:change libswanted
?INIT:: default library list
?INIT:libswanted="
?X: This order is chosen so that libraries  -lndir, -ldir, -lucb, -lbsd,
?X: -lBSD, -lPW, and -lx only get used if there are unresolved
?X: routines at link time.  Usually, these are backwards compatability
?X: libraries, and may not be as reliable as the standard c library.
?X:
```

```
?X: The -lsocket -linet -lnsl order has been reported to be necessary
?X: for at least one SVR4 implementation.
?X: -lc must proceed -lucb or -lbsd for most Solaris applications.
?X: -lc_s proceeds -lc so we pick up the shared library version, if
?X: it is available.
?X:
?X: The ordering of c, posix, and cposix is a guess and almost
?X: certainly wrong on about half of all systems.
?X:
?X: Set proper libswanted in your private
 Myinit.U if needed.
?X:
?X:: default ordered library list
?X:libswanted='net socket inet bind nsl nm sdbm gdbm ndbm dbm malloc dl'
?X:libswanted="$libswanted dld sun m c_s c posix cposix ndir dir ucb"
?X:libswanted="$libswanted bsd BSD PW x"
?X:
?INIT:: should be set by hint files if needed
?INIT:libscheck="
?T:xxx yyy thislib thisdir libstyle linkmsg
?F:lt.c lt
: Looking for optional libraries
echo " "
echo "Checking for optional libraries..." >&4
case "$libs" in
' '|'') dflt='';;
*) dflt="$libs";;
esac
case "$libswanted" in
'') libswanted='c_s';;
esac
?X: libsocks has nasty naming scheme.
?X: This does not work if somebody wants SOCKS 4.
case "$usesocks" in
"$define") libswanted="$libswanted socks5 socks5_sh" ;;
esac
?X: Used later for link checks
echo "extern char printf(); int main() { printf(); return 0; }" > lt.c
libsfound="
libsfiles="
libsdirs="
libspath="
for thisdir in $libpth $xlibpth; do
 test -d $thisdir && libspath="$libspath $thisdir"
done
for thislib in $libswanted;
 do
 for thisdir in $libspath; do
```

```
    xxx="
    if $test ! -f "$xxx" ; then
   xxx=`ls $thisdir/lib$thislib.$so.[0-9]* 2>/dev/null | $sed -n '1p'`
   $test -f "$xxx" && eval $libscheck
   $test -f "$xxx" && libstyle=shared
    fi
    if test ! -f "$xxx"; then
   xxx=$thisdir/lib$thislib.$so
   $test -f "$xxx" && eval $libscheck
   $test -f "$xxx" && libstyle=shared
    fi
    if test ! -f "$xxx"; then
   xxx=$thisdir/lib$thislib$_a
        $test -f "$xxx" && eval $libscheck
   $test -f "$xxx" && libstyle=static
    fi
    if test ! -f "$xxx"; then
   xxx=$thisdir/$thislib$_a
        $test -f "$xxx" && eval $libscheck
   $test -f "$xxx" && libstyle=static
    fi
    if test ! -f "$xxx"; then
   xxx=$thisdir/lib${thislib}_s$_a
        $test -f "$xxx" && eval $libscheck
   $test -f "$xxx" && libstyle=static
   $test -f "$xxx" && thislib=${thislib}_s
    fi
    if test ! -f "$xxx"; then
   xxx=$thisdir/Slib$thislib$_a
        $test -f "$xxx" && eval $libscheck
   $test
 -f "$xxx" && libstyle=static
    fi
    if $test -f "$xxx"; then
?X:
?X: It is not sufficient to find a .so on the disk.  We must make sure
?X: that we can indeed supply the -lfoo line on the cc line to link against
?X: that library.  On Linux for instance, a versionned .so will not be
?X: implicitly linked against, whereas it will work fine on Solaris 2.6.
?X:  --RAM, 10/10/2003
?X:
   if $cc -o lt $ccflags $ldflags lt.c -l$thislib >/dev/null 2>&1;
   then
    linkmsg=""
   else
    linkmsg=" but I can't link against it"
   fi
   case "$libstyle" in
```

```
  shared) echo "Found -l$thislib (shared)$linkmsg." ;;
  static) echo "Found -l$thislib$linkmsg." ;;
  *)      echo "Found -l$thislib ($libstyle)$linkmsg." ;;
  esac
  case " $dflt " in
  *"-l$thislib "*) ;;
  *)
   case "$linkmsg" in
   ")
    dflt="$dflt -l$thislib"
    libsfound="$libsfound $xxx"
    yyy=`basename $xxx`
    libsfiles="$libsfiles $yyy"
    yyy=`echo $xxx|$sed -e "s%/$yyy\\$%%"`
    case " $libsdirs
 " in
    *" $yyy "*) ;;
    *) libsdirs="$libsdirs $yyy" ;;
    esac
      ;;
   esac
   ;;
  esac
  break
    fi
 done
 if $test ! -f "$xxx"; then
    echo "No -l$thislib."
 fi
done
set X $dflt
shift
dflt="$*"
case "$libs" in
") dflt="$dflt";;
*) dflt="$libs";;
esac
case "$dflt" in
' '|") dflt='none';;
esac
$rm -f lt.c lt

$cat <<EOM

In order to compile $package on your machine, a number of libraries
are usually needed.  Include any other special libraries here as well.
Say "none" for none.  The default list is almost always right.
EOM
```

```
echo " "
rp="Which libraries to use?"
. ./myread
case "$ans" in
none) libs=' ';;
*) libs="$ans";;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libs.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: End.U,v $
?RCS: Revision 3.0  1993/08/18  12:04:51  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit serves as the goal which forces make to choose all the units that
?X: ask questions.  The $W on the ?MAKE: line is the list of all symbols wanted.
?X: To force any unit to be included, copy this unit to your private U directory
?X: and add the name of the unit desired to the ?MAKE: dependency line.
?X:
?MAKE:End: $W
?MAKE: -pick add $@ %<
?LINT:use $W
: end of configuration
 questions
echo " "
echo "End of configuration questions."
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/End.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorman1dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
```

```
?RCS:
?RCS: Copyright (c) 1999, Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: vendorman1dir.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:vendorman1dir vendorman1direxp installvendorman1dir: man1dir Getfile \
 Oldconfig Setprefixvar Prefixit test vendorprefix prefix sed
?MAKE: -pick add $@ %<
?Y:TOP
?S:vendorman1dir:
?S: This variable contains the name of the directory for man1
?S: pages.  It may have a ~ on the front.
?S: The standard distribution will put nothing in this directory.
?S: Vendors
 who distribute perl may wish to place their own
?S: man1 pages in this directory with
?S:  MakeMaker Makefile.PL INSTALLDIRS=vendor
?S: or equivalent.  See INSTALL for details.
?S:.
?S:vendorman1direxp:
?S: This variable is the ~name expanded version of vendorman1dir, so that you
?S: may use it directly in Makefiles or shell scripts.
?S:.
?D:installvendorman1dir=''
?S:installvendorman1dir:
?S: This variable is really the same as vendorman1direxp but may differ on
?S: those systems using AFS. For extra portability, only this variable
?S: should be used in makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installvendorman1dir
: Set the vendorman1dir variables
case "$vendorprefix" in
'') vendorman1dir=''
 vendorman1direxp=''
 ;;
*) : determine where vendor-supplied manual pages go.
 case "$vendorman1dir" in
 '') dflt=`echo "$man1dir" | $sed "s#^$prefix#$vendorprefix#"` ;;
 *) dflt=$vendorman1dir ;;
```

```
 esac
 case "$dflt" in
 "|' ') dflt=none ;;
 esac
 fn=nd~+
 rp='Pathname for
 the vendor-supplied manual section 1 pages?'
 . ./getfile
 vendorman1dir="$ans"
 vendorman1direxp="$ansexp"
 ;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorman1dir" = "X" && vendorman1dir=' '
prefixvar=vendorman1dir
. ./installprefix
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorman1dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: html3dir.U,v $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: html3dir.U,v $
?RCS:
?MAKE:html3dir html3direxp installhtml3dir: cat sed Loc Myread \
 spackage test Getfile Setprefixvar Prefixit Prefixup html1dir
?MAKE: -pick add $@ %<
?Y:TOP
?D:html3dir="
?S:html3dir:
?S: This variable contains the name of the directory in which html
?S: source pages are to be put.  This directory is for pages
?S: that describe libraries or modules.  It is intended to
?S: correspond roughly to section 3 of the Unix manuals.
?S:.
?D:html3direxp="
?S:html3direxp:
?S: This variable
```

```
 is the same as the html3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installhtml3dir="
?S:installhtml3dir:
?S: This variable is really the same as html3direxp, unless you are
?S: using a different installprefix.  For extra portability, you
?S: should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set html3direxp
?LINT:set installhtml3dir
: determine where html pages for libraries and modules go
set html3dir html3dir none
eval $prefixit
$cat <<EOM

If you wish to install html files for modules associated with $spackage,
indicate the appropriate directory here.  To skip installing html files,
answer "none".
EOM
: There is no obvious default.  If they have specified html1dir, then
: try to key off that, possibly changing .../html1 into .../html3.
case "$html3dir" in
") html3dir=`echo "$html1dir" | $sed 's/1$/3$/'` ;;
*) dflt=$html3dir ;;
esac
fn=dn+~
rp="Directory for the $spackage module
 html pages?"
. ./getfile
prefixvar=html3dir
. ./setprefixvar
: Use ' ' for none so value is preserved next time through Configure
$test X"$html3dir" = "X" && html3dir=' '

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/U/installdirs/html3dir.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: MailAuthor.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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```
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: MailAuthor.U,v $
?RCS: Revision 3.0.1.5  1997/02/28  15:04:41  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.4  1994/08/29  16:05:09  ram
?RCS: patch32: avoid message sending if they said no previously
?RCS:
?RCS: Revision 3.0.1.3  1993/10/16  13:47:30  ram
?RCS: patch12: now makes sure user-specified address is in Internet format
?RCS:
?RCS: Revision
 3.0.1.2  1993/09/13  15:48:49  ram
?RCS: patch10: reverted to original intent by the Author himself
?RCS:
?RCS: Revision 3.0.1.1  1993/08/27  14:38:38  ram
?RCS: patch7: now prompts user for its e-mail address
?RCS: patch7: no longer silent when mail has been sent
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:06  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?RCS:
?X:
?X: This unit asks the user to please send a message to the author.
?X: To force inclusion of this unit, you must add it's name to the
?X: dependancies on the MAKE line in your private copy of End.U.
?X: This allows a smart mailagent program to automatically let users know
?X: when their package is out of date, and to allow users to be notified of
?X: any future patches.
?X:
?MAKE:MailAuthor mailpatches notifypatches usermail: test cat mailer \
 package Myread patchlevel baserev rm rsrc Oldconfig Configdir
?MAKE: -pick wipe $@ %<
?S:mailpatches:
?S: Indicates whether the user would like future patches to be mailed
?S: directly
 to them.
?S:.
?S:notifypatches:
?S: Indicates whether the user would like notification of future patches
?S: mailed to them.
?S:.
?S:usermail:
```

```
?S: This variable is used internally by Configure to keep track of the
?S: user e-mail address, where notifications or patches should be sent.
?S: A '-' value means the return address will be extracted by parsing
?S: the mail headers.
?S:.
?T:opt mailpatches notifypatches atsh status
: notify author that his package is used
if $test -f ../.config/mailauthor &&
 cmp $rsrc/patchlevel.h ../.config/mailauthor >/dev/null 2>&1
then
 status="say that you're using $package";
 case "$mailpatches" in
 true) status='have patches mailed to you as they are issued';;
 esac
 case "$notifypatches" in
 true) status='be notified when new patches are issued';;
 esac
 $cat <<EOM

You have already sent the author of $package (<MAINTLOC>) mail to
$status. If you wish, you may modify
your previous request by sending a new mail with different options.

EOM
 rp='Should
 I send a status update to <MAINTLOC>?'
 dflt=n
else
 $cat <<EOM

If you are able to send mail to the Internet, the author of $package would
really appreciate you letting me send off a quick note, just to say that you've
tried it. The author is more likely to spend time maintaining $package if it's
known that many people are using it, and you can even ask to get sent new
patches automagically this way if you wish. To protect your privacy, all I'll
say in the mail is the version of $package that you're using.

EOM
 rp='Should I send mail to <MAINTLOC>?'
 dflt=y
?X: Ensure default is 'n' if question has been asked already, in case they
?X: run Configure -d next time and answered 'n' the first time. Therefore,
?X: an empty nomail will be created later on even if no mail is sent.
 $test -f ../.config/nomail && dflt=n
fi
. ./myread
case "$ans" in
[yY]*)
```

```
 echo " "
 echo "Great! Your cooperation is really appreciated."
 $cat <<EOM

Some braindead sites do not set a proper return
 address in the From: header of
their outgoing mail, making it impossible to reply to mail they generate.
If your site is broken in this way, write to your system administrator and get
it fixed!!! In the mean time, you can manually specify the Internet e-mail
address by which the author can get back to you, should there be a need to do
so. If manually specified, it should be something like "user@domain.top".
If your mail system generates addresses correctly, specify "none".

EOM
 case "$usermail" in
 '-'|'') dflt=none;;
 *) dflt="$usermail";;
 esac
 rp='Manually specify a return address to use:'
 . ./myread
 case "$ans" in
 none|*@*.*)
  case "$ans" in
  none) usermail='-';;
  *) usermail="$ans";;
  esac
  ;;
 *)
  echo "(Address does not look like an Internet one -- ignoring it.)"
?X:
?X: If we can't trust their mailer or their return address, it's highly
?X: suggested that they only register and don't ask to get anything from
?X: the author, since it's likely to bounce in null-land --
 RAM.
?X:
  usermail='-'
  mailpatches=false
  notifypatches=false
  ;;
 esac
 echo " "
 opt=''
 rp='Would you like to have new patches automatically mailed to you?'
 case "$mailpatches" in
 true) dflt=y;;
 *) dflt=n;;
 esac
 . ./myread
```

```
 case "$ans" in
 [yY]*) opt=' mailpatches'; mailpatches=true;;
 *)
  mailpatches=false
  echo " "
  rp='Ok, would you like to simply be notified of new patches?'
  case "$notifypatches" in
  false) dflt=n;;
  *) dflt=y;;
  esac
  . ./myread
  echo " "
  case "$ans" in
  [yY]*) opt=' notifypatches'; notifypatches=true;;
  *)
   echo "Fine, I'll simply say that you've tried it then."
   notifypatches=false
   ;;
  esac
  ;;
 esac
 echo "Sending mail to <MAINTLOC>..." >&4
?X: Bizarre hack here. We can't just put @SH in the hereis lines below, because
?X: metaconfig will interpret it as a command, and there's no quoting mechanism.
?X: Do it via a variable instead.
 atsh='@SH'
 $mailer <MAINTLOC> <<EOM >/dev/null 2>&1
Subject: Command
Precedence: junk
To: <MAINTLOC>

$atsh
 package $usermail $package $baserev $patchlevel$opt
EOM
 $rm -f ../.config/mailauthor ../.config/nomail
 cp $rsrc/patchlevel.h ../.config/mailauthor
 ;;
*)
 case "$dflt" in
 "y")
  echo "Oh well, maybe next time."
  cp /dev/null ../.config/nomail
  ;;
 esac
 ;;
esac
```

Found in path(s):

* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/MailAuthor.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: yacc.U,v $
?RCS: Revision 3.0.1.1  1994/05/13  15:28:48  ram
?RCS: patch27: added byacc as another alternative (ADO)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:10:03  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:yacc yaccflags: Guess Myread Loc Oldconfig byacc bison cat test
?MAKE: -pick add $@ %<
?S:yacc:
?S: This variable holds the name of the compiler compiler we
?S: want to use in the Makefile. It can be yacc, byacc, or bison -y.
?S:.
?S:yaccflags:
?S: This variable contains any
 additional yacc flags desired by the
?S: user.  It is up to the Makefile to use this.
?S:.
?T:comp
: determine compiler compiler
echo " "
comp='yacc'
if $test -f "$byacc$_exe"; then
 comp="byacc or $comp"
fi
if $test -f "$bison$_exe"; then
 comp="$comp or bison -y"
fi
case "$yacc" in
")
 yacc=`./loc yacc yacc $pth`
 if $test -f "$yacc$_exe"; then
  dflt='yacc'
 elif $test -f "$byacc$_exe"; then
```

```
  dflt='byacc'
 elif $test -f "$bison$_exe"; then
  dflt='bison'
 else
  dflt=''
 fi
 ;;
*) dflt="$yacc";;
esac
rp="Which compiler compiler ($comp) shall I use?"
. ./myread
yacc="$ans"
case "$yacc" in
*bis*)
 case "$yacc" in
 *-y*) ;;
 *)
  yacc="$yacc -y"
  echo "(Adding -y option to bison to get yacc-compatible behaviour.)"
  ;;
 esac
 ;;
esac

@if yaccflags
: see if we need extra yacc flags
dflt="$yaccflags"
case "$dflt" in
'') dflt=none;;
esac
$cat <<EOH

Your yacc program may need extra flags to normally process the parser sources.
Do NOT specify any -d or -v flags here, since those are
 explicitly known
by the various Makefiles. However, if your machine has strange/undocumented
options (like -Sr# on SCO to specify the maximum number of grammar rules), then
please add them here.  To use no flags, specify the word "none".

EOH
rp="Any additional yacc flags?"
. ./myread
case "$ans" in
none) yaccflags='';;
*) yaccflags="$ans";;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/yacc.U
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```
?RCS: $Id: End.U,v 3.0 1993/08/18 12:04:51 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: End.U,v $
?RCS: Revision 3.0  1993/08/18  12:04:51  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit serves as the goal which forces make to choose all the units that
?X: ask questions.  The $W on the ?MAKE: line is the list of all symbols wanted.
?X: To force any unit to be included, copy this unit to your private U directory
?X: and add the name of the unit desired to the ?MAKE: dependency line.
?X:
?MAKE:End perllibs: $W cppstdin gzip zip
 libs usedl osname osvers
?MAKE: -pick add $@ %<
?S:perllibs:
?S: The list of libraries needed by Perl only (any libraries needed
?S: by extensions only will by dropped, if using dynamic loading).
?S:.
?INIT:perllibs=''
?LINT:use $W
?LINT:use gzip zip
?LINT:change cppstdin
: Remove libraries needed only for extensions
: The appropriate ext/Foo/Makefile.PL will add them back in, if necessary.
: The exception is SunOS 4.x, which needs them.
case "${osname}X${osvers}" in
sunos*X4*)
   perllibs="$libs"
   ;;
*) case "$usedl" in
   $define|true|[yY]*)
     set X `echo " $libs " | sed -e 's@ -lndbm @ @' -e 's@ -lgdbm @ @' -e 's@ -lgdbm_compat @ @' -e 's@ -ldbm @ @' -e 's@ -ldb @ @'`
```

```
    shift
    perllibs="$*"
    ;;
  *) perllibs="$libs"
    ;;
  esac
  ;;
esac

?X: If the user has the cppstdin wrapper, perl.c will try to call
?X: CPPSTDIN, but that will point to a location in the build
?X: directory, not the installed version!.  Here, we'll just strip the
?X: name down to 'cppstdin',
 and rely on the fact that perl.c will
?X: then call SCRIPTDIR/cppstdin, but local things like 'make depend'
?X: will continue to work.
: Remove build directory name from cppstdin so it can be used from
: either the present location or the final installed location.
echo " "
: Get out of the UU directory to get correct path name.
cd ..
case "$cppstdin" in
`pwd`/cppstdin)
 echo "Stripping down cppstdin path name"
 cppstdin=cppstdin
 ;;
esac
cd UU

: end of configuration questions
echo " "
echo "End of configuration questions."
echo " "
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/End.U
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```
?RCS: $Id$
?RCS:
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```

```
?X:
?X: Useless unit dropped.  Use randfunc instead.
?X:
?LINT:empty
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/randbits.U
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```
?RCS: $Id: make.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: make.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:09:40  ram
?RCS: patch61: created
?RCS:
?MAKE:make_set_make : Loc rm sed make
?MAKE: -pick add $@ %<
?S:make_set_make:
?S: Some versions of 'make' set the variable MAKE.  Others do not.
?S: This variable contains the string to be included in Makefile.SH
?S: so that MAKE is set if needed, and not if not needed.
?S: Possible values are:
?S:
?S: make_set_make='#'  #
 If your make program handles this for you,
?S:
?S: make_set_make="MAKE=$make" # if it doesn't.
?S:
?S: This uses a comment character so that we can distinguish a
?S: 'set' value (from a previous config.sh or Configure -D option)
?S: from an uncomputed value.
?S:.
?LINT: extern MAKE
?LINT: change MAKE
?X: This test is based on one from an autoconf-generated configure
?X: script. Autoconf stole a lot from Configure, but now it's our
?X: turn to do so... ;-) -- RAM, 21/02/97
: check whether make sets MAKE
```

```
echo " "
echo "Checking if your $make program sets \$(MAKE)..." >&4
case "$make_set_make" in
")
?X: Use sed so we don't have a line begining with @echo.  Metaconfig
?X: will think that's a command like @if or @end.
 $sed 's/^X //' > testmake.mak << 'EOF'
Xall:
X  @echo 'maketemp="$(MAKE)"'
EOF
?X: GNU make sometimes prints "make[1]: Entering...", which would confuse us
 case "`$make -f testmake.mak 2>/dev/null`" in
 *maketemp=*) make_set_make='#' ;;
 *) make_set_make="MAKE=$make" ;;
 esac
 $rm
 -f testmake.mak
 ;;
esac
case "$make_set_make" in
'#') echo "Yup, it does.";;
*) echo "Nope, it doesn't.";;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/make.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: install.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: install.U,v $
?RCS: Revision 3.0.1.2  1995/09/25  09:16:37  ram
?RCS: patch59: all possible install programs are now looked for
?RCS:
?RCS: Revision 3.0.1.1  1995/01/11  15:30:41  ram
?RCS: patch45: created
?RCS:
?MAKE:install installdir: Loc Oldconfig Getfile cat test startsh rm +cc \
 eunicefix package contains mkdir echo n c
```

```
?MAKE: -pick add $@ %<
?S:install:
?S: This variable contains the name of an install program that can accept
?S: BSD-style arguments.
 It must correctly support -c, -s, and -m at least.
?S: It is a fully qualified pathname when found. If you have a local
?S: install.SH file at the root directory of your package, it is assumed to
?S: be the default script emulating a BSD install and the variable will be
?S: set to ./install. Otherwise, it is set to plain 'install', relying on
?S: the user's PATH to perform miracles.
?S:.
?S:installdir:
?S: This variable contains the name of a program that can install nested
?S: directories. Often set to 'mkdir -p', it can also be 'install -d' if
?S: you have such a beast and lack the former. If you have an install.SH
?S: file at the root directory of your package, it will be used in last
?S: resort, setting the variable to './install -d'. Otherwise, it is set to
?S: plain 'mkdir', and cross your fingers!
?S:.
?T:dir file tryit prog creatdir either
?F:!tryinst
: locate a BSD compatible install program
echo " "
echo "Looking for a BSD-compatible install program..." >&4
@if installdir
creatdir="
@end
case
 "$install" in
")
 tryit="
 for dir in $pth; do
  for file in ginstall installbsd scoinst install; do
   if $test -f $dir/$file; then
    tryit="$tryit $dir/$file"
   fi
  done
 done
 $cat >try.c <<EOC
int main()
{
 printf("OK\n");
 exit(0);
}
EOC
 if $cc -o try try.c >/dev/null 2>&1; then
  cp try try.ns
  strip try >/dev/null 2>&1
```

```
 else
  echo "(I can't seem to compile a trivial C program -- bypassing.)"
  echo "try" >try
  cp try try.ns
 fi
 $cat >tryinst <<EOS
$startsh
$rm -rf foo d
@if installdir
\$1 -d foo/bar
@end
$mkdir d
\$1 -c -m 764 try.ns d
\$1 -c -s -m 642 try.ns d/try
EOS
 chmod +x tryinst
 $eunicefix tryinst
 dflt=''
 either=''
 for prog in $tryit; do
  $echo $n "Checking $prog... $c"
  ./tryinst $prog >/dev/null 2>&1
@if installdir
  if $test -d foo/bar; then
   creatdir="$prog -d"
  fi
@end
  (ls -l d/try >try.ls; ls -l d/try.ns >tryno.ls) 2>/dev/null
  if (cmp -s d/try try && cmp -s d/try.ns try.ns && \
   $contains 'rwxrw-r--' tryno.ls &&
 \
   $contains 'rw-r---w-' try.ls) >/dev/null 2>&1
  then
   dflt="$prog"
   echo "ok, that will do."
   break
  fi
  echo "not good$either."
  either=' either'
  $rm -f try*.ls
 done
 $rm -rf foo d tryinst try try*.ls try.*
 case "$dflt" in
 '')
@if {test -f ../install.SH}
  echo "Hopefully, $package comes with its own install script!"
  dflt='./install'
@else
```

```
  dflt='install'
@end
  ;;
 esac
 ;;
*) dflt="$install";;
esac
$cat <<EOM

I will be requiring a BSD-compatible install program (one that allows
options like -s to strip executables or -m to specify a file mode) to
install $package.

If the question below contains a fully qualified default path, then it
is probably ok. If it is an unqualified name such as 'install', then it
means I was unable to find out a good install program I could use. If
@if {test -f ../install.SH}
you know of one, please tell me about it. If the default is './install',
then I shall be using the install script supplied with $package.
@else
you know of one,
 please tell me about it.
@end

EOM
@if {test -f ../install.SH}
fn='/fe~(install,./install)'
@else
fn='/fe~(install)'
@end
rp='Which install program shall I use?'
. ./getfile
install="$ans"

@if installdir
: how can we create nested directories?
echo " "
echo "Ok, let's see how we can create nested directories..." >&4
case "$installdir" in
")
?X: First time, maybe we already found out a working one in $creatdir above...
?X: Prefer "mkdir -p" because of bugs in GNU install when not running as root
 $mkdir -p foo/bar >/dev/null 2>&1
 if $test -d foo/bar; then
  echo "Great, we can build them using 'mkdir -p'."
  creatdir='mkdir -p'
 else
  case "$creatdir" in
```

```
  ")
   if eval "$install -d foo/bar"; $test -d foo/bar; then
    creatdir="install -d"
    echo "It looks like '$creatdir' will do it for us."
   fi
   ;;
  *)
   eval "$creatdir foo/bar" >/dev/null 2>&1
   if $test -d foo/bar; then
    echo "Ah! We can use '$creatdir' to do just that."
   else
    creatdir="
   fi
   ;;
  esac
 fi
 $rm
 -rf foo
 case "$creatdir" in
 ")
  echo "Heck! Another ancient system lacking the comfort of modern ones!"
@if {test -f ../install.SH}
  echo "You can thank $package for bringing you its own install script!"
  installdir='./install -d'
@else
  echo "We have no choice but to use plain old 'mkdir' -- wish me luck!"
  installdir=mkdir
@end
  ;;
 *) installdir="$creatdir";;
 esac
 ;;
*) echo "As you already told me, '$installdir' should work.";;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/install.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libnm.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libnm.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:08:26  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:01  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libnm: test Loc libpth _a
?MAKE: -pick add $@ %<
?S:libnm:
?S: This variable contains the argument to pass to the loader in order
?S: to get the new math library routines.  If there is no new math
?S: library, it is null.
?S:.
?T:ans
?O:
 use libswanted='-lnm' instead (see libs.U).
: see if we should include -lnm
echo " "
if $test -r /usr/lib/libnm$_a || $test -r /usr/local/lib/libnm$_a ; then
 echo "New math library found." >&4
 libnm='-lnm'
else
 ans=`./loc libnm$_a x $libpth`
 case "$ans" in
 x)
  echo "No nm library found--the normal math library will have to do." >&4
  libnm=''
  ;;
 *)
  echo "New math library found in $ans." >&4
  libnm="$ans"
  ;;
 esac
fi
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libnm.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: nis.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  16:17:38  ram
?RCS: patch61: ensure suitable defaults for hostcat and friends
?RCS:
?RCS: Revision 3.0.1.2  1995/03/21  08:48:34  ram
?RCS: patch52: continued fix for NeXT NIS/NetInfo handling
?RCS:
?RCS: Revision 3.0.1.1  1995/02/15  14:16:23  ram
?RCS: patch51: now correctly handles NeXT using NIS rather than NetInfo
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:24  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:passcat groupcat hostcat:
 Myread Oldconfig test contains
?MAKE: -pick add $@ %<
?S:passcat:
?S: This variable contains a command that produces the text of the
?S: /etc/passwd file.  This is normally "cat /etc/passwd", but can be
?S: "ypcat passwd" when NIS is used.
?S:.
?S:groupcat:
?S: This variable contains a command that produces the text of the
?S: /etc/group file.  This is normally "cat /etc/group", but can be
?S: "ypcat group" when NIS is used.
?S:.
?S:hostcat:
?S: This variable contains a command that produces the text of the
?S: /etc/hosts file.  This is normally "cat /etc/hosts", but can be
?S: "ypcat hosts" when NIS is used.
?S:.
: see if we have to deal with yellow pages, now NIS.
?X: NeXT gives us some fun here, as always, by having both NIS (former YP)
?X: and NetInfo. But since it has both, it's ok to put the test inside the if.
?X: Contributed by Thomas Neumann <tom@smart.bo.open.de>.
if $test -d /usr/etc/yp || $test -d /etc/yp || $test -d /usr/lib/yp; then
 if $test -f /usr/etc/nibindd; then
  echo
 " "
  echo "I'm fairly confident you're on a NeXT."
@if passcat || groupcat
```

```
  echo " "
  rp='Do you get the passwd file via NetInfo?'
  dflt=y
  case "$passcat" in
  nidump*) ;;
  ") ;;
  *) dflt=n;;
  esac
  . ./myread
  case "$ans" in
  y*) passcat='nidump passwd .'
@if groupcat
   echo "(Assuming /etc/group is also distributed.)"
   groupcat='nidump group .'
@end
   ;;
  *) echo "You told me, so don't blame me."
   case "$passcat" in
   nidump*) passcat="
@if groupcat
     groupcat=";;
@end
   esac
@if groupcat
   echo "(Assuming /etc/group is handled the same way.)"
@end
   ;;
  esac
@end
@if hostcat
  echo " "
  rp='Do you get the hosts file via NetInfo?'
  dflt=y
  case "$hostcat" in
  nidump*) ;;
  ") ;;
  *) dflt=n;;
  esac
  . ./myread
  case "$ans" in
  y*) hostcat='nidump hosts .';;
  *) case "$hostcat" in
   nidump*) hostcat=";;
   esac
   ;;
  esac
@end
 fi
```

```
@if passcat || groupcat
 case "$passcat" in
 nidump*) ;;
 *)
  case "$passcat" in
  *ypcat*) dflt=y;;
  ")
 if $contains '^\+' /etc/passwd >/dev/null 2>&1; then
    dflt=y
   else
    dflt=n
   fi;;
  *) dflt=n;;
  esac
  echo " "
  rp='Are you getting the passwd file via yellow pages?'
  . ./myread
  case "$ans" in
  y*) passcat='ypcat passwd'
@if groupcat
   echo "(Assuming /etc/group is also distributed.)"
   groupcat='ypcat group'
@end
   ;;
  *) passcat='cat /etc/passwd'
@if groupcat
   echo "(Assuming /etc/group is also local.)"
   groupcat='cat /etc/group'
@end
   ;;
  esac
  ;;
 esac
@end
@if hostcat
 case "$hostcat" in
 nidump*) ;;
 *)
  case "$hostcat" in
  *ypcat*) dflt=y;;
  ") if $contains '^\+' /etc/passwd >/dev/null 2>&1; then
    dflt=y
   else
    dflt=n
   fi;;
  *) dflt=n;;
  esac
  echo " "
```

```
  rp='Are you getting the hosts file via yellow pages?'
  . ./myread
  case "$ans" in
  y*) hostcat='ypcat hosts';;
  *) hostcat='cat /etc/hosts';;
  esac
  ;;
 esac
@end
fi
?X: Ensure suitable default -- Manoj Srivastava
case "$hostcat" in
") hostcat=':'
 $test -f /etc/hosts && hostcat='cat
 /etc/hosts';;
esac
case "$groupcat" in
") groupcat=':'
 $test -f /etc/group && groupcat='cat /etc/group';;
esac
case "$passcat" in
") passcat=':'
 $test -f /etc/passwd && passcat='cat /etc/passwd';;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/nis.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:siteman1dir siteman1direxp installsiteman1dir: Getfile \
 Setprefixvar prefix siteprefix man1dir sed
?MAKE: -pick add $@ %<
?Y:TOP
?D:siteman1dir=''
?S:siteman1dir:
?S: This variable contains the name of the directory in which site-specific
?S: manual source pages are to be put.  It is the responsibility of the
```

```
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S: The standard distribution will put nothing in this directory.
?S: After perl
 has been installed, users may install their own local
?S: man1 pages in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:siteman1direxp="
?S:siteman1direxp:
?S: This variable is the same as the siteman1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installsiteman1dir="
?S:installsiteman1dir:
?S: This variable is really the same as siteman1direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man1direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installsiteman1dir
?LINT:set siteman1dir
?LINT:set siteman1direxp
: determine where add-on manual pages go
case "$siteman1dir" in
") dflt=`echo $man1dir | $sed "s#^$prefix#$siteprefix#"` ;;
*) dflt=$siteman1dir ;;
esac
case "$dflt" in
"|' ') dflt=none ;;
esac
fn=dn+~
rp='Pathname
 where the site-specific manual pages should be installed?'
. ./getfile
prefixvar=siteman1dir
. ./setprefixvar
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/siteman1dir.U
No license file was found, but licenses were detected in source scan.

* Feel free to modify any of this as the need arises. Note, however,

Found in path(s):

* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/metaconfig.html
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: patchlevel.U,v 3.0.1.1 1997/02/28 16:18:41 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: This file is included with or a derivative work of a file included
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.
?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS:
?RCS:     You may distribute under the terms of either the GNU General Public
?RCS:     License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: patchlevel.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:18:41  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:31  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:patchlevel revision version subversion \
 perl_patchlevel version_patchlevel_string \
 api_revision api_version api_subversion api_versionstring: \
 package test rsrc echo awk osname
?MAKE: -pick
 add $@ %<
?S:revision:
?S: The value of revision comes from the patchlevel.h file.
?S: In a version number such as 5.6.1, this is the "5".
?S: In patchlevel.h, this is referred to as "PERL_REVISION".
?S:.
?S:patchlevel:
?S: The patchlevel level of this package.
?S: The value of patchlevel comes from the patchlevel.h file.
?S: In a version number such as 5.6.1, this is the "6".
?S: In patchlevel.h, this is referred to as "PERL_VERSION".
?S:.
?S:subversion:
?S: The subversion level of this package.
?S: The value of subversion comes from the patchlevel.h file.
?S: In a version number such as 5.6.1, this is the "1".
?S: In patchlevel.h, this is referred to as "PERL_SUBVERSION".
?S: This is unique to perl.
?S:.
?S:version:
?S: The full version number of this package, such as 5.6.1 (or 5_6_1).
```

```
?S: This combines revision, patchlevel, and subversion to get the
?S: full version number, including any possible subversions.
?S: This is suitable for use as a directory name, and hence is
?S: filesystem
 dependent.
?S:.
?S:api_revision:
?S: The three variables, api_revision, api_version, and
?S: api_subversion, specify the version of the oldest perl binary
?S: compatible with the present perl.  In a full version string
?S: such as '5.6.1', api_revision is the '5'.
?S: Prior to 5.5.640, the format was a floating point number,
?S: like 5.00563.
?S:
?S: perl.c:incpush() and lib/lib.pm will automatically search in
?S: $sitelib/.. for older directories back to the limit specified
?S: by these api_ variables.  This is only useful if you have a
?S: perl library directory tree structured like the default one.
?S: See INSTALL for how this works.  The versioned site_perl
?S: directory was introduced in 5.005, so that is the lowest
?S: possible value.  The version list appropriate for the current
?S: system is determined in inc_version_list.U.
?S:
?S: XXX To do:  Since compatibility can depend on compile time
?S: options (such as bincompat, longlong, etc.) it should
?S: (perhaps) be set by
 Configure, but currently it isn't.
?S: Currently, we read a hard-wired value from patchlevel.h.
?S: Perhaps what we ought to do is take the hard-wired value from
?S: patchlevel.h but then modify it if the current Configure
?S: options warrant.  patchlevel.h then would use an #ifdef guard.
?S:.
?S:api_version:
?S: The three variables, api_revision, api_version, and
?S: api_subversion, specify the version of the oldest perl binary
?S: compatible with the present perl.  In a full version string
?S: such as '5.6.1', api_version is the '6'.  See api_revision for
?S: full details.  As a special case, 5.5.0 is rendered in the
?S: old-style as 5.005.  (In the 5.005_0x maintenance series,
?S: this was the only versioned directory in $sitelib.)
?S:.
?S:api_subversion:
?S: The three variables, api_revision, api_version, and
?S: api_subversion, specify the version of the oldest perl binary
?S: compatible with the present perl.  In a full version string
?S: such as '5.6.1', api_subversion is the
 '1'.  See api_revision for
?S: full details.
```

```
?S:.
?S:api_versionstring:
?S: This variable combines api_revision, api_version, and
?S: api_subversion in a format such as 5.6.1 (or 5_6_1) suitable
?S: for use as a directory name.  This is filesystem dependent.
?S:.
?S:perl_patchlevel:
?S: This is the Perl patch level, a numeric change identifier,
?S: as defined by whichever source code maintenance system
?S: is used to maintain the patches; currently Perforce.
?S: It does not correlate with the Perl version numbers or
?S: the maintenance versus development dichotomy except
?S: by also being increasing.
?S:.
?S:version_patchlevel_string:
?S: This is a string combining version, subversion and
?S: perl_patchlevel (if perl_patchlevel is non-zero).
?S: It is typically something like
?S: 'version 7 subversion 1'  or
?S: 'version 7 subversion 1 patchlevel 11224'
?S: It is computed here to avoid duplication of code in myconfig.SH
?S: and lib/Config.pm.
?S:.
?LINT:extern LC_ALL
?LINT:extern LANGUAGE
:
 get the patchlevel
echo " "
echo "Getting the current patchlevel..." >&4
if $test -r $rsrc/patchlevel.h;then
 revision=`awk '/define[  ]+PERL_REVISION/ {print $3}' $rsrc/patchlevel.h`
 patchlevel=`awk '/define[  ]+PERL_VERSION/ {print $3}' $rsrc/patchlevel.h`
 subversion=`awk '/define[  ]+PERL_SUBVERSION/ {print $3}' $rsrc/patchlevel.h`
 api_revision=`awk '/define[  ]+PERL_API_REVISION/ {print $3}' $rsrc/patchlevel.h`
 api_version=`awk '/define[  ]+PERL_API_VERSION/ {print $3}' $rsrc/patchlevel.h`
 api_subversion=`awk '/define[  ]+PERL_API_SUBVERSION/ {print $3}' $rsrc/patchlevel.h`
 perl_patchlevel=`egrep ',"(MAINT|SMOKE)[0-9][0-9]*"' $rsrc/patchlevel.h|tail -1|sed 's/[^0-9]//g'`
else
 revision=0
 patchlevel=0
 subversion=0
 api_revision=0
 api_version=0
 api_subversion=0
 perl_patchlevel=0
 $echo "(You do not have patchlevel.h.  Eek.)"
fi
: Define a handy string here to avoid duplication in myconfig.SH and configpm.
```

```
version_patchlevel_string="version $patchlevel subversion $subversion"
case
 "$perl_patchlevel" in
0|'') ;;
*)  perl_patchlevel=`echo $perl_patchlevel | sed 's/.* //'`
   version_patchlevel_string="$version_patchlevel_string patch $perl_patchlevel"
   ;;
esac

$echo "(You have $package $version_patchlevel_string.)"

case "$osname" in
dos|vms)
 : XXX Should be a Configure test for double-dots in filenames.
 version=`echo $revision $patchlevel $subversion | \
   $awk '{ printf "%d_%d_%d", $1, $2, $3 }'`
 api_versionstring=`echo $api_revision $api_version $api_subversion | \
   $awk '{ printf "%d_%d_%d", $1, $2, $3 }'`
 ;;
*)
 version=`echo $revision $patchlevel $subversion | \
   $awk '{ printf "%d.%d.%d", $1, $2, $3 }'`
 api_versionstring=`echo $api_revision $api_version $api_subversion | \
   $awk '{ printf "%d.%d.%d", $1, $2, $3 }'`
 ;;
esac
: Special case the 5.005_xx maintenance series, which used 5.005
: without any subversion label as a subdirectory in $sitelib
if test "${api_revision}${api_version}${api_subversion}" = "550"; then
 api_versionstring='5.005'
fi

Found
 in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/U/perl/patchlevel.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: Options.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
```

```
?RCS: $Log: Options.U,v $
?RCS: Revision 3.0.1.7  1997/02/28  15:08:15  ram
?RCS: patch61: optdef.sh now starts with a "startsh"
?RCS: patch61: moved some code from Head.U
?RCS:
?RCS: Revision 3.0.1.6  1995/09/25  09:14:46  ram
?RCS: patch59: protected option parsing code against 'echo -*' option failure
?RCS:
?RCS: Revision 3.0.1.5  1995/05/12  12:04:52  ram
?RCS: patch54: added -K option for experts
?RCS:
?RCS: Revision 3.0.1.4  1995/01/30  14:27:52  ram
?RCS:
 patch49: this unit now exports file optdef.sh, not a variable
?RCS:
?RCS: Revision 3.0.1.3  1995/01/11  15:19:00  ram
?RCS: patch45: new -O option allowing -D and -U to override config.sh settings
?RCS: patch45: file optdef.sh is no longer removed after sourcing
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  15:58:06  ram
?RCS: patch36: ensure option definition file is removed before appending
?RCS: patch36: protect variable definitions with spaces in them
?RCS:
?RCS: Revision 3.0.1.1  1994/06/20  06:55:44  ram
?RCS: patch30: now uses new me symbol to tag error messages
?RCS: patch30: new -D and -U options to define/undef symbols (JHI)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:14  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: Command line parsing. It is really important that the variables used here
?X: be not listed in the MAKE line, or they will be saved in config.sh and
?X: loading this file to fetch default answers would clobber the values set
?X: herein.
?X:
?MAKE:Options:
 startsh
?MAKE: -pick wipe $@ %<
?V:reuseval alldone error realsilent silent extractsh fastread \
 knowitall: config_sh
?T:arg argn symbol config_arg0 config_args config_argc xxx yyy zzz uuu
?T:args_exp args_sep arg_exp ccflags
?F:!Configure
?F:./optdef.sh ./cmdline.opt ./posthint.sh ./cmdl.opt
: Save command line options in file UU/cmdline.opt for later use in
: generating config.sh.
?X: This temporary file will be read by Oldsym.U.  I used a temporary
```

```
?X: file to preserve all sorts of potential command line quotes and
?X: also because we don't know in advance how many variables we'll
?X: need, so I can't actually declare them on the MAKE line.
?X: The config_args variable won't be quite correct if Configure is
?X: fed something like    ./Configure -Dcc="gcc -B/usr/ccs/bin/"
?X: since the quotes are gone by the time we see them.  You'd have to
?X: reconstruct the command line from the config_arg? lines, but since
?X: I don't imagine anyone actually having to do that, I'm not going
?X:
 to worry too much.
cat > cmdline.opt <<EOSH
: Configure command line arguments.
config_arg0='$0'
config_args='$*'
config_argc=$#
EOSH
argn=1
args_exp=''
args_sep=''
for arg in "$@"; do
 cat >>cmdline.opt <<EOSH
config_arg$argn='$arg'
EOSH
?X: Extreme backslashitis: replace each ' by '''''
 cat <<EOC | sed -e "s/'/'''''''''''''''/g" > cmdl.opt
$arg
EOC
 arg_exp=`cat cmdl.opt`
 args_exp="$args_exp$args_sep'$arg_exp'"
 argn=`expr $argn + 1`
 args_sep=' '
done
?X: args_exp is good for restarting self: eval "set X $args_exp"; shift; $0 "$@"
?X: used by hints/os2.sh in Perl, for instance
rm -f cmdl.opt

: produce awk script to parse command line options
cat >options.awk <<'EOF'
BEGIN {
 optstr = "A:dD:eEf:hKOrsSU:V"; # getopt-style specification

 len = length(optstr);
 for (i = 1; i <= len; i++) {
  c = substr(optstr, i, 1);
?X: some older awk's do not have the C ?: construct
  if (i < len) a = substr(optstr, i + 1, 1); else a = "";
  if (a == ":") {
   arg[c] = 1;
```

```
  i++;
  }
  opt[c]
 = 1;
 }
}
{
 expect = 0;
 str = $0;
 if (substr(str, 1, 1) != "-") {
  printf("'%s'\n", str);
  next;
 }
 len = length($0);
 for (i = 2; i <= len; i++) {
  c = substr(str, i, 1);
  if (!opt[c]) {
   printf("-%s\n", substr(str, i));
   next;
  }
  printf("-%s\n", c);
  if (arg[c]) {
   if (i < len)
    printf("'%s'\n", substr(str, i + 1));
   else
    expect = 1;
   next;
  }
 }
}
END {
 if (expect)
  print "?";
}
EOF

: process the command line options
?X: Use "$@" to keep arguments with spaces in them from being split apart.
?X: For the same reason, awk will output quoted arguments and the final eval
?X: removes them and sets a proper $* array. An 'X' is prepended to each
?X: argument before being fed to echo to guard against 'echo -x', where -x
?X: would be understood as an echo option! It is removed before feeding awk.
set X `for arg in "$@"; do echo "X$arg"; done |
 sed -e s/X// | awk -f options.awk`
eval "set $*"
shift
rm -f options.awk
```

```
: set up default values
fastread=''
reuseval=false
config_sh=''
alldone=''
error=''
silent=''
extractsh=''
knowitall=''
rm
 -f optdef.sh posthint.sh
cat >optdef.sh <<EOS
$startsh
EOS

?X:
?X: Given that we now have the possibility to execute Configure remotely
?X: thanks to the new src.U support, we have to face the possibility
?X: of having to ask where the source lie, which means we need the Myread.U
?X: stuff and possibly other things that might echo something on the
?X: screen...
?X:
?X: That's not pretty, and might be confusing in 99% of the time. So...
?X: We introduce a new realsilent variable which is set when -s is given,
?X: and we force silent=true if -S is supplied. The Extractall.U unit
?X: will then undo the >&4 redirection based on the value of the
?X: realsilent variable... -- RAM, 18/93/96
?X:

: option parsing
while test $# -gt 0; do
 case "$1" in
 -d) shift; fastread=yes;;
 -e) shift; alldone=cont;;
 -f)
  shift
  cd ..
  if test -r "$1"; then
   config_sh="$1"
  else
   echo "$me: cannot read config file $1."
 >&2
   error=true
  fi
  cd UU
  shift;;
 --help|\
 -h) shift; error=true;;
```

```
-r) shift; reuseval=true;;
-s) shift; silent=true; realsilent=true;;
-E) shift; alldone=exit;;
-K) shift; knowitall=true;;
-O) shift;;
-S) shift; silent=true; extractsh=true;;
-D)
 shift
 case "$1" in
 *=)
  echo "$me: use '-U symbol=', not '-D symbol='." >&2
  echo "$me: ignoring -D $1" >&2
  ;;
 *=*) echo "$1" | \
   sed -e "s/'/'\''\''/g" -e "s/=\(.*\)/='\1'/" >> optdef.sh;;
 *) echo "$1='define'" >> optdef.sh;;
 esac
 shift
 ;;
-U)
 shift
 case "$1" in
 *=) echo "$1" >> optdef.sh;;
 *=*)
  echo "$me: use '-D symbol=val', not '-U symbol=val'." >&2
  echo "$me: ignoring -U $1" >&2
  ;;
 *) echo "$1='undef'" >> optdef.sh;;
 esac
 shift
 ;;
-A)
   shift
   xxx=''
   yyy="$1"
   zzz=''
   uuu=undef
   case "$yyy" in
        *=*) zzz=`echo "$yyy"|sed 's!=.*!!'`
             case "$zzz" in
             *:*) zzz='' ;;
             *)   xxx=append

             zzz=" "`echo "$yyy"|sed 's!^[^=]*=!!'`
                 yyy=`echo "$yyy"|sed 's!=.*!!'` ;;
             esac
             ;;
        esac
```

```
        case "$xxx" in
        ")  case "$yyy" in
            *:*) xxx=`echo "$yyy"|sed 's!:.*!!'`
                 yyy=`echo "$yyy"|sed 's!^[^:]*:!!'`
                 zzz=`echo "$yyy"|sed 's!^[^=]*=!!'`
                 yyy=`echo "$yyy"|sed 's!=.*!!'` ;;
            *)   xxx=`echo "$yyy"|sed 's!:.*!!'`
                 yyy=`echo "$yyy"|sed 's!^[^:]*:!!'` ;;
            esac
            ;;
        esac
   case "$xxx" in
   append)
 echo "$yyy=\"\${$yyy}$zzz\"" >> posthint.sh ;;
   clear)
 echo "$yyy=""   >> posthint.sh ;;
   define)
      case "$zzz" in
 ") zzz=define ;;
 esac
 echo "$yyy='$zzz'"  >> posthint.sh ;;
   eval)
 echo "eval \"$yyy=$zzz\"" >> posthint.sh ;;
   prepend)
 echo "$yyy=\"$zzz\${$yyy}\"" >> posthint.sh ;;
   undef)

     case "$zzz" in
 ") zzz="$uuu" ;;
 esac
 echo "$yyy=$zzz"  >> posthint.sh ;;
        *)  echo "$me: unknown -A command '$xxx', ignoring -A $1" >&2 ;;
   esac
   shift
   ;;
-V) echo "$me generated by metaconfig <VERSION> PL<PATCHLEVEL>." >&2
   exit 0;;
--) break;;
-*) echo "$me: unknown option $1" >&2; shift; error=true;;
*) break;;
esac
done

case "$error" in
true)
 cat >&2 <<EOM
Usage: $me [-dehrsEKOSV] [-f config.sh] [-D symbol] [-D symbol=value]
            [-U symbol] [-U symbol=] [-A command:symbol...]
```

```
 -d : use defaults for all answers.
 -e : go on without questioning past the production of config.sh.
 -f : specify an alternate default configuration file.
 -h : print this help message and exit (with an error status).
 -r : reuse C symbols value if possible (skips costly nm extraction).
 -s : silent mode, only echoes questions and essential information.
 -D : define symbol to have some value:
      -D symbol               symbol gets the
 value 'define'
      -D symbol='some value'   symbol is set to 'some value'
     common used examples (see INSTALL for more info):
      -Duse64bitint           use 64bit integers
      -Duse64bitall           use 64bit integers and pointers
      -Dusethreads            use thread support
      -Dinc_version_list=none  do not include older perl trees in @INC
      -DEBUGGING=none          DEBUGGING options
      -Dcc=gcc                choose your compiler
      -Dprefix=/opt/perl5      choose your destination
 -E : stop at the end of questions, after having produced config.sh.
 -K : do not use unless you know what you are doing.
 -O : ignored for backward compatibility
 -S : perform variable substitutions on all .SH files (can mix with -f)
 -U : undefine symbol:
      -U symbol    symbol gets the value 'undef'
      -U symbol=   symbol gets completely empty
     e.g.:  -Uversiononly
 -A : manipulate symbol after the platform specific hints
 have been applied:
      -A append:symbol=value   append value to symbol
      -A symbol=value          like append:, but with a separating space
      -A define:symbol=value   define symbol to have value
      -A clear:symbol          define symbol to be ''
      -A define:symbol         define symbol to be 'define'
      -A eval:symbol=value     define symbol to be eval of value
      -A prepend:symbol=value  prepend value to symbol
      -A undef:symbol          define symbol to be 'undef'
      -A undef:symbol=         define symbol to be ''
     e.g.:  -A prepend:libswanted='cl pthread '
            -A ccflags=-DSOME_MACRO
 -V : print version number and exit (with a zero status).
EOM
 exit 1
 ;;
esac

?X:
?X: Unless they specified either -S or both -d and -e/E, make sure we're
?X: running interactively, i.e. attached to a terminal. Moved from Head.U to
```

```
?X: be able to handle batch configurations...
?X:
?X: We have to hardwire the Configure name and
 cannot use $me, since if they
?X: said 'sh <Configure', then $me is 'sh'...
?X:
: Sanity checks
case "$fastread$alldone" in
yescont|yesexit) ;;
*)
 case "$extractsh" in
 true) ;;
 *)
  if test ! -t 0; then
   echo "Say 'sh Configure', not 'sh <Configure'"
   exit 1
  fi
  ;;
 esac
 ;;
esac

?X: In silent mode, the standard output is closed. Questions are asked by
?X: outputing on file descriptor #4, which is the original stdout descriptor.
?X: This filters out all the "junk", since all the needed information is written
?X: on #4. Note that ksh will not let us redirect output if the file descriptor
?X: has not be defined yet, unlike sh, hence the following line...--RAM.
exec 4>&1
case "$silent" in
true) exec 1>/dev/null;;
esac

: run the defines and the undefines, if any, but leave the file out there...
touch optdef.sh
?X: -q is POSIX
?X: It does not work in SysV (solaris) or old BSD greps.
grep '\\' optdef.sh >/dev/null 2>&1
if test $? = 0; then
   echo "Configure does not support \\
 in -D arguments"
   exit 1
fi
. ./optdef.sh
: create the posthint manipulation script and leave the file out there...
?X: this file will be perused by Oldconfig.U
touch posthint.sh

Found in path(s):
```

* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Options.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Rcs.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Rcs.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:15  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This is a unit that helps people who write SH scripts and keep them under
?X: RCS, but don't think to protect the $Log and other $Id keywords from
?X: variable substitution (or people like me who do not like to).
?X:
?MAKE:Author Date Header Id Locker Log RCSfile Revision Source State: Oldconfig
?MAKE: -pick weed $@ %<
?LINT:describe Author
 Date Header Id Locker Log RCSfile Revision Source State
: preserve RCS keywords in files with variable substitution, grrr
?Author:Author='$Author'
?Date:Date='$Date'
?Header:Header='$Header'
?Id:Id='$Id'
?$Locker'
?Log:Log='$Log'
?RCSfile:RCSfile='$RCSfile'
?Revision:Revision='$Revision'
?Source:Source='$Source'
?State:State='$State'
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Rcs.U
No license file was found, but licenses were detected in source scan.

```
/*
* $Id: scandir.C,v 3.0.1.1 1994/01/24 13:58:45 ram Exp ram $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* $Log: scandir.C,v $
* Revision 3.0.1.1  1994/01/24  13:58:45  ram
* patch16: created
*
*/
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/C/fake/scandir.C
No license file was found, but licenses were detected in source scan.

```
?RCS: Copyright (c) 2016 Dagfinn Ilmari Mannsker & H.Merijn Brand
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?X:
?X: This unit produces a variable that is intended to be eval'ed in
?X: order to define/undefine a symbol. A consistency check is made
?X: regarding any previous value and a warning is issued if there
?X: is any discrepancy.
?X:
?X: To use it, say:
?X: set d_siginfo_si_errno siginfo_t int si_errno $d_sigaction signal.h
?X: eval $hasfield_t;
?X:
?MAKE:Hasfield_t: test Compile rm_try Setvar
?MAKE: -pick add $@ %<
?LINT:define hasfield_t
?S:hasfield_t:
?S: Internal macro for Configure
?S:.
?V:hasfield_t:
?T:varname struct type field
: Define hasfield_t macro for Configure internal use
hasfield_t='varname=$1; struct=$2; type=$3; field=$4; shift; shift; shift; shift;
while $test $# -ge 2; do
   case
 "$1" in
 $define) echo "#include <$2>";;
   esac ;
```

```
   shift 2;
done > try.c;
echo "int main () { $struct foo; $type bar = foo.$field; }" >> try.c;
set try;
if eval $compile; then
 val="$define";
else
 val="$undef";
fi;
set $varname;
eval $setvar;
$rm_try'
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/Hasfield_t.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: kernel.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: kernel.U,v $
?RCS: Revision 3.0  1993/08/18  12:08:54  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:kernel: Getfile test
?MAKE: -pick add $@ %<
?S:kernel:
?S: This variable becomes the (fully rooted) path name of the kernel.
?S:.
: find the name of the kernel.
echo " "
case "$kernel" in
")
 if $test -r /unix; then
  dflt=/unix
 elif $test -r /vmunix; then
  dflt=/vmunix
 elif $test -r /xenix; then
  dflt=/xenix
 elif $test -r /mach; then
```

```
 dflt=/mach
elif
$test -r /dgux; then
 dflt=/dgux
elif $test -r /hp-ux; then
 dflt=/hp-ux
elif $test -r /syst; then
 dflt=/syst
elif $test -r /arix; then
 dflt=/arix
elif $test -r /irix; then
 dflt=/arix
else
 dflt='unknown'
 set X /*x
 shift
 case $# in
 1)
  if $test -r "$1"; then
   dflt="$1"
  fi
  ;;
 esac
fi
;;
*)
dflt="$kernel"
;;
esac
fn=f
rp='What is the name of your kernel?'
. ./getfile
kernel="$ans"
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/kernel.U
No license file was found, but licenses were detected in source scan.

```
#  You may redistribute only under the terms of the Artistic Licence,
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/files/fixcpp
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/makegloss
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/errnolist.mk

* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/bindex
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_passwd.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_passwd.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  15:37:21  ram
?RCS: patch61: useless unit dropped.
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:09:51  ram
?RCS: patch32: created by ADO
?RCS:
?X:
?X: Useless unit dropped.
?X:
?LINT:empty
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_passwd.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: prototype.U,v 3.0.1.3 1994/05/06 15:11:49 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: prototype.U,v $
?RCS: Revision 3.0.1.3  1994/05/06  15:11:49  ram
?RCS: patch23: ensure cc flags used when looking for prototype support
?RCS:
?RCS: Revision 3.0.1.2  1994/01/24  14:15:36  ram
```

?RCS: patch16: prototype handling macros now appear only when needed
?RCS:
?RCS: Revision 3.0.1.1 1993/08/25 14:03:12 ram
?RCS: patch6: defines were referring to non-existent VOID symbol
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:36 ram
?RCS: Baseline for dist
 3.0 netwide release.
?RCS:
?MAKE:prototype: Nothing
?S:prototype:
?S: This variable holds the eventual value of CAN_PROTOTYPE, which
?S: indicates the C compiler can handle function prototypes.
?S:.
: stub, never used
prototype=nothing

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/prototype.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: spitshell.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: spitshell.U,v $
?RCS: Revision 3.0.1.4 1997/02/28 16:22:12 ram
?RCS: patch61: removed useless chatter as this is now done very early
?RCS:
?RCS: Revision 3.0.1.3 1995/01/11 15:37:01 ram
?RCS: patch45: use 'test -f' instead of 'test -r' for exec-only cat progs (WED)
?RCS: patch45: protected "sh -c" within backquotes for Linux and SGI
?RCS:
?RCS: Revision 3.0.1.2 1994/08/29 16:33:00 ram
?RCS: patch32: don't create spitshell under the UU directory
?RCS:
 patch32: allow for cat in /bin or /usr/bin
?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 16:12:58 ram
?RCS: patch10: made #!-failure message more friendly (WAD)
?RCS:

```
?RCS: Revision 3.0  1993/08/18  12:09:49  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:spitshell shsharp sharpbang: eunicefix sh Head
?MAKE: -pick add $@ %<
?S:spitshell:
?S: This variable contains the command necessary to spit out a runnable
?S: shell on this system.  It is either cat or a grep -v for # comments.
?S:.
?S:shsharp:
?S: This variable tells further Configure units whether your sh can
?S: handle # comments.
?S:.
?S:sharpbang:
?S: This variable contains the string #! if this system supports that
?S: construct.
?S:.
?F:!sharp
?T:xcat p
?X: "paths" comes from Head
?LINT:extern paths _exe
: see if sh knows # comments
?X: This is loaded up early, so avoid being chatty.
?X: echo " "
?X: echo "Checking your $sh to see if it knows about # comments..." >&2
if `$sh -c '#' >/dev/null 2>&1`; then
?X: echo
 "Your $sh handles # comments correctly."
 shsharp=true
 spitshell=cat
?X: echo " "
?X: echo "Okay, let's see if #! works on this system..."
 xcat=/bin/cat
 test -f $xcat$_exe || xcat=/usr/bin/cat
 if test ! -f $xcat$_exe; then
  for p in `echo $PATH | sed -e "s/$p_/ /g"` $paths; do
   if test -f $p/cat$_exe; then
    xcat=$p/cat
    break
   fi
  done
  if test ! -f $xcat$_exe; then
   echo "Can't find cat anywhere!"
   exit 1
  fi
 fi
 echo "#!$xcat" >sharp
 $eunicefix sharp
```

```
 chmod +x sharp
 ./sharp > today 2>/dev/null
 if test -s today; then
?X:  echo "It does."
  sharpbang='#!'
 else
  echo "#! $xcat" > sharp
  $eunicefix sharp
  chmod +x sharp
  ./sharp > today 2>/dev/null
  if test -s today; then
?X:   echo "It does."
   sharpbang='#! '
  else
?X:   echo "Okay, let's see if #! works on this system..."
?X:   echo "It's just a comment."
   sharpbang=': use '
  fi
 fi
else
 echo " "
 echo "Your $sh doesn't grok # comments--I will strip them later on."
 shsharp=false
?X: The
 spitshell script will be perused, so leave it out the UU directory
 cd ..
 echo "exec grep -v '^[  ]*#'" >spitshell
 chmod +x spitshell
 $eunicefix spitshell
 spitshell=`pwd`/spitshell
 cd UU
 echo "I presume that if # doesn't work, #! won't work either!"
 sharpbang=': use '
fi
rm -f sharp today
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/spitshell.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Setvar.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Setvar.U,v $
?RCS: Revision 3.0.1.1  1994/10/29  15:58:28  ram
?RCS: patch36: call ./whoa explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:16  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a variable that is intended to be eval'ed in
?X: order to define/undefine a symbol. A consistency check is made
?X: regarding any previous value and a warning is issued if there
?X: is any discrepancy.
?X:
?X:
 To use it, say:
?X: val=<value>
?X: set d_variable
?X: eval $setvar
?X:
?MAKE:Setvar: Whoa
?MAKE: -pick add $@ %<
?LINT:define setvar
?S:setvar:
?S: This shell variable is used internally by Configure to set a value
?S: to a given symbol that is defined or not. A typical use is:
?S: val=<value computed>
?S:  set d_variable
?S:  eval $setvar
?S: That will print a message in case the $val value is not the same
?S: as the previous value of $d_variable.
?S:.
?V:setvar:val
?T:var was td tu
: function used to set '$1' to '$val'
setvar='var=$1; eval "was=\$$1"; td=$define; tu=$undef;
case "$val$was" in
$define$undef) . ./whoa; eval "$var=\$td";;
$undef$define) . ./whoa; eval "$var=\$tu";;
*) eval "$var=$val";;
esac'
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Setvar.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Csym.U,v 3.0.1.4 1995/07/25 13:36:29 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Csym.U,v $
?RCS: Revision 3.0.1.4  1995/07/25  13:36:29  ram
?RCS: patch56: re-arranged compile line to include ldflags before objects
?RCS: patch56: added quotes for OS/2 support
?RCS:
?RCS: Revision 3.0.1.3  1995/05/12  12:00:33  ram
?RCS: patch54: fixed C test program to bypass gcc builtin type checks (ADO)
?RCS:
?RCS: Revision 3.0.1.2  1994/10/31  09:34:13  ram
?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U
?RCS:
?RCS: Revision
 3.0.1.1  1993/08/25  14:00:05  ram
?RCS: patch6: added ldflags as a conditional dependency and to compile line
?RCS: patch6: a final double quote was missing in csym variable after eval
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:50  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:Csym mistrustnm extern_C: Options contains libc libs runnm test \
 +cc +optimize +ccflags +ldflags run rm_try _exe d_cplusplus
?MAKE: -pick add $@ %<
?LINT:define csym
?LINT:use libc
?LINT:extern mistrustnm
?LINT:set mistrustnm
?S:csym:
?S: This shell variable is used internally by Configure to check
?S: whether a given C symbol is defined or not. A typical use is:
?S:  set symbol result [-fva] [previous]
?S:  eval $csym
?S: That will set result to 'true' if the function [-f], variable [-v]
?S: or array [-a] is defined, 'false' otherwise. If a previous value is
?S: given and the -r flag was provided on the command line, that value
?S: is reused without questioning.
?S:.
```

```
?S:extern_C:
?S: ANSI C
 requires 'extern' where C++ requires 'extern "C"'. This
?S: variable can be used in Configure to do the right thing.
?S:.
?S:mistrustnm:
?S: This variable can be used to establish a fallthrough for the cases
?S: where nm fails to find a symbol.  If usenm is false or usenm is true
?S: and mistrustnm is false, this variable has no effect.  If usenm is true
?S: and mistrustnm is "compile", a test program will be compiled to try to
?S: find any symbol that can't be located via nm lookup.  If mistrustnm is
?S: "run", the test program will be run as well as being compiled.
?S:.
?V:csym
?T:tval tx tlook tf tdc
?F:!try
: is a C symbol defined?
csym='tlook=$1;
case "$3" in
-v) tf=libc.tmp; tdc="";;
-a) tf=libc.tmp; tdc="[]";;
*) tlook="^$1\$"; tf=libc.list; tdc="()";;
esac;
case "$d_cplusplus" in
   $define) extern_C="extern \"C\"" ;;
   *)  extern_C="extern" ;;
esac;
tx=yes;
case "$reuseval-$4" in
true-) ;;
true-*) tx=no; eval "tval=\$$4"; case "$tval" in "") tx=yes;; esac;;
esac;
case "$tx"
 in
yes)
?X:
?X: Put symbol inside a printf to fool optimizing compilers...
?X:
?X: We use 'short' instead of 'int' to try to circumvent overzealous
?X: optimizing compilers using built-in prototypes for commonly used
?X: routines to complain when seeing a different external declaration. For
?X: instance, gcc 2.6.3 fails if we use 'int' and we attempt a test against
?X: memcpy() on machines where sizeof(int) == sizeof(char *) (the usual return
?X: type), the compiler assuming it's a built-in declaration given that the
?X: returned size matches. At least with 'short' we are safe! -- RAM, for ADO
?X:
?X: Let's thank GNU cc for making our lives so easy! :-)
?X: (An alternative for the future would be to use our knowledge about gcc
```

```
?X: to force a -fno-builtin option in the compile test, in case the 'short'
?X: trick is obsoleted by future gcc releases). -- RAM
?X:
 tval=false;
 if $test "$runnm" = true; then
  if $contains $tlook $tf >/dev/null 2>&1; then
   tval=true;
  elif $test "$mistrustnm"
 = compile -o "$mistrustnm" = run; then
   echo "$extern_C void *$1$tdc; void *(*(p()))$tdc { return &$1; } int main(int argc, char **argv) { if(p() && p() !=
(void *)argv[0]) return(0); else return(1); }"> try.c;
   $cc -o try $optimize $ccflags $ldflags try.c >/dev/null 2>&1 $libs && tval=true;
   $test "$mistrustnm" = run -a -x try && { $run ./try$_exe >/dev/null 2>&1 || tval=false; };
   $rm_try;
  fi;
 else
  echo "$extern_C void *$1$tdc; void *(*(p()))$tdc { return &$1; } int main(int argc, char **argv) { if(p() && p() !=
(void *)argv[0]) return(0); else return(1); }"> try.c;
  $cc -o try $optimize $ccflags $ldflags try.c $libs >/dev/null 2>&1 && tval=true;
  $rm_try;
 fi;
 ;;
*)
 case "$tval" in
 $define) tval=true;;
 *) tval=false;;
 esac;
 ;;
esac;
eval "$2=$tval"'
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/Csym.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libflex.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libflex.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  15:57:48  ram
```

```
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.2  1994/05/06  15:07:02  ram
?RCS: patch23: now uses full library path instead of -l notation
?RCS:
?RCS: Revision 3.0.1.1  1994/01/24  14:13:25  ram
?RCS: patch16: un-obsoleted this unit to allow smooth lex/flex compilations
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:59  ram
?RCS: Baseline for dist 3.0 netwide
 release.
?RCS:
?MAKE:libflex: Loc lex libpth _a
?MAKE: -pick add $@ %<
?S:libflex:
?S: This variable contains the argument to pass to the loader in order
?S: to get the flex/lex library routines.  If there is no flex or flex
?S: library, it is null.
?S:.
?T:xxx
: see if we should include -lfl
echo " "
case "$lex" in
*flex)
 xxx=`./loc libfl$_a x $libpth`
 case "$xxx" in
 x)
  echo "No flex library found." >&4
  libflex=''
  ;;
 *)
  echo "flex library found in $xxx." >&4
  libflex="$xxx"
  ;;
 esac
 ;;
*lex)
 xxx=`./loc libl$_a x $libpth`
 case "$xxx" in
 x)
  echo "No lex library found." >&4
  libflex=''
  ;;
 *)
  echo "lex library found in $xxx." >&4
  libflex="$xxx"
  ;;
 esac
```

```
 ;;
*)
echo "You don't seem to have lex or flex, so I won't look for libraries." >&4
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libflex.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: lex.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Orginal Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: lex.U,v $
?RCS: Revision 3.0.1.3  1994/10/29  16:22:50  ram
?RCS: patch36: spurious single quote could cause Configure to crash
?RCS: patch36: (reported by Xavier Le Vourch <xavierl@eiffel.com>.)
?RCS:
?RCS: Revision 3.0.1.2  1994/08/29  16:27:09  ram
?RCS: patch32: added lexflags variable for lex flags setting
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  15:06:01  ram
?RCS: patch23: added
 trailing blank line for metalint
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:55  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:lex lexflags: Guess Myread Oldconfig flex test
?MAKE: -pick add $@ %<
?S:lex:
?S: This variable holds the name of the lexical analyser generator we
?S: want to use in the Makefile. It can be lex or flex.
?S:.
?S:lexflags:
?S: This variable holds any flags that should be passed to the lexical
?S: analyzer.  It is up to the Makefile to use it.
?S:.
```

```
: determine lexical analyser generator
case "$lex" in
")
 dflt=lex;;
*)
 dflt="$lex";;
esac
echo " "
if $test -f "$flex"; then
 rp='Which lexical analyser generator (lex or flex) shall I use?'
else
 rp='Which lexical analyser generator shall I use?'
fi
. ./myread
lex="$ans"

@if lexflags
: if using lex this will normally be useless, but flex frequently takes args
echo " "
case "$lexflags" in
") dflt='none';;
*) dflt="$lexflags";;
esac
rp="What flags should be given to $lex?"
. ./myread
case "$ans"
 in
none) lexflags=";;
*) lexflags="$ans";;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/lex.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Nothing.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
```

```
?RCS: $Log: Nothing.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:09  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: The purpose of this file is to supply an empty target for the private
?X: Makefile built by metaconfig to order the units.
?X:
?MAKE:Nothing: Head
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Nothing.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: siteprefix.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: siteprefix.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:siteprefix siteprefixexp +oldsiteprefix: Getfile Loc Oldconfig cat package prefix
?MAKE: -pick add $@ %<
?S:siteprefix:
?S: This variable holds the full absolute path of the directory below
?S: which the user will install add-on packages.
?S: See INSTALL for usage and examples.
?S:.
?S:siteprefixexp:
?S: This variable holds the full absolute path of the
 directory below
?S: which the user will install add-on packages.  Derived from siteprefix.
?S:.
?S:oldsiteprefix:
?S: This variable is set non-null if the siteprefix was previously defined
?S: and gets set to a new value. Used internally by Configure only.
?S:.
: Set the siteprefix variables
$cat <<EOM
```

```
After $package is installed, you may wish to install various
add-on modules and utilities.  Typically, these add-ons will
be installed under $prefix with the rest
of this package.  However, you may wish to install such add-ons
elsewhere under a different prefix.

If you do not wish to put everything under a single prefix, that's
ok.  You will be prompted for the individual locations; this siteprefix
is only used to suggest the defaults.

The default should be fine for most people.

EOM
fn=d~+
rp='Installation prefix to use for add-on modules and utilities?'
: XXX Here might be another good place for an installstyle setting.
case "$siteprefix" in
") dflt=$prefix ;;
*)  dflt=$siteprefix
 ;;
esac
. ./getfile
: XXX Prefixit unit does not yet support siteprefix and vendorprefix
oldsiteprefix="
case "$siteprefix" in
") ;;
*) case "$ans" in
 "$prefix") ;;
 *) oldsiteprefix="$prefix";;
 esac
 ;;
esac
siteprefix="$ans"
siteprefixexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/siteprefix.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: startsh.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: startsh.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:25:31  ram
?RCS: patch61: avoid needless chatter since this is now done very early
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:51  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:startsh: sh sharpbang eunicefix
?MAKE: -pick add $@ %<
?S:startsh:
?S: This variable contains the string to put on the front of a shell
?S: script to make sure (hopefully) that it runs with sh and not some
?S: other
 shell.
?S:.
?F:!sharp
: figure out how to guarantee sh startup
?X: Avoid needless chatter since this is now done very early.
?X: echo " "
?X: echo "Checking out how to guarantee sh startup..." >&2
case "$startsh" in
") startsh=${sharpbang}${sh} ;;
*)
?X: echo "Let's see if '$startsh' works..." ;;
esac
cat >sharp <<EOSS
$startsh
set abc
test "$?abc" != 1
EOSS

chmod +x sharp
$eunicefix sharp
if ./sharp; then
 : echo "Yup, it does."
else
 echo "Hmm... '$startsh' does not guarantee sh startup..."
 echo "You may have to fix up the shell scripts to make sure $sh runs them."
fi
rm -f sharp
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/startsh.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: dlsrc.U,v$
?RCS:
?RCS: Copyright (c) 1996-1998, Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: dlext.U,v $
?RCS:
?X:  hpux support thanks to Jeff Okamoto <okamoto@hpcc101.corp.hp.com>
?X:
?X:  To create a shared library, you must compile ALL source files in the
?X:  library with +z (or possibly +Z if the library is whopping huge),
?X:  then link the library with -b.  Example:
?X:   cc -c +z module_a.c
?X:   cc -c +z module_b.c
?X:   ld -b module_a.o module_b.o -o module.sl
?X:
?MAKE:dlext: \
 Getfile Myread cat usedl so
?MAKE: -pick add $@ %<
?Y:BOTTOM
?S:dlext:
?S: This variable contains the extension that is to be used for the
?S: dynamically loaded modules that perl generates.
?S:.
: Check what extension to use for shared libs
case "$usedl" in
$define|y|true)
 $cat <<
 EOM

On a few systems, the dynamically loaded modules that perl generates and uses
will need a different extension than shared libs. The default will probably
be appropriate.

EOM
 case "$dlext" in
 ") dflt="$so" ;;
 *) dflt="$dlext" ;;
 esac
 rp='What is the extension of dynamically loaded modules'
 . ./myread
 dlext="$ans"
 ;;
*)
 dlext="none"
 ;;
```

```
esac

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/dlext.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: Chk_MANI.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Chk_MANI.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  14:57:25  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.1  1994/10/31  09:33:14  ram
?RCS: patch44: now lists Begin instead of Myinit in its dependencies
?RCS: patch44: leading comment now explains how this unit is included
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:45  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit checks the package by making sure
 every file listed in MANIFEST
?X: is present. It is systematically "included" via the Finish unit (which
?X: is always present in every Configure script), although it may result in
?X: an empty inclusion when no MANIFEST is present.
?X:
?MAKE:Chk_MANI: Begin c n rsrc
?MAKE: -pick wipe $@ %<
?T:filelist ans tmppwd
?X: This check happens at metaconfig-time, so it's ok to hard-code the path.
@if {test -f ../MANIFEST}
: Now test for existence of everything in MANIFEST
echo " "
if test -f "$rsrc/MANIFEST"; then
 echo "First let's make sure your kit is complete.  Checking..." >&4
?X:
?X: Files spelled uppercased and beginning with PACK are produced by the
?X: shell archive builder and may be removed by the user. Usually, they are
?X: not listed in the MANIFEST file, but you never know...
```

```
?X:
?X: "split -l" is the new way of running a split, but we also try the older way
?X:
 awk '$1 !~ /PACK[A-Z]+/ {print $1}' "$rsrc/MANIFEST" | \
  (split -l 50 2>/dev/null || split -50)
 rm -f missing
 tmppwd=`pwd`
 for
 filelist in x??; do
  (cd "$rsrc"; ls `cat "$tmppwd/$filelist"` \
   >/dev/null 2>>"$tmppwd/missing")
 done
 if test -s missing; then
  cat missing >&4
  cat >&4 <<'EOM'

THIS PACKAGE SEEMS TO BE INCOMPLETE.

You have the option of continuing the configuration process, despite the
distinct possibility that your kit is damaged, by typing 'y'es.  If you
do, don't blame me if something goes wrong.  I advise you to type 'n'o
and contact the author (<MAINTLOC>).

EOM
?X: Can't use $echo at this early stage
  echo $n "Continue? [n] $c" >&4
  read ans
  case "$ans" in
  y*)
   echo "Continuing..." >&4
   rm -f missing
   ;;
  *)
?X:
?X: Use kill and not exit, so that the trap gets executed to clean up
?X:
   echo "ABORTING..." >&4
   kill $$
   ;;
  esac
 else
  echo "Looks good..."
 fi
else
 echo "There is no MANIFEST file.  I hope your kit is complete !"
fi
rm -f missing x??
```

```
@end

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Chk_MANI.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: libyacc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libyacc.U,v $
?RCS: Revision 3.0.1.4  1997/02/28  16:09:19  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.3  1994/05/13  15:27:12  ram
?RCS: patch27: added byacc case (ADO)
?RCS:
?RCS: Revision 3.0.1.2  1994/05/06  15:09:01  ram
?RCS: patch23: now uses full library path instead of -l notation
?RCS:
?RCS: Revision 3.0.1.1  1994/01/24  14:13:49  ram
?RCS: patch16: un-obsoleted this unit for smooth yacc compilations
?RCS:
?RCS:
 Revision 3.0  1993/08/18  12:09:04  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libyacc: Loc yacc libpth _a
?MAKE: -pick add $@ %<
?S:libyacc:
?S: This variable contains the argument to pass to the loader in order
?S: to get the yacc library routines.  If there is no yacc or yacc
?S: library, it is null.
?S:.
?T:xxx
: see if we should include -ly
echo " "
case "$yacc" in
*byacc*)
 echo "You are using byacc, so I won't look for a yacc library." >&4
 libyacc="
```

```
 ;;
*yacc)
 xxx=`./loc liby$_a x $libpth`
 case "$xxx" in
 x)
  echo "No yacc library found." >&4
  libyacc=''
  ;;
 *)
  echo "yacc library found in $xxx." >&4
  libyacc="$xxx"
  ;;
 esac
 ;;
*bison*)
 echo "You are using bison, so I won't look for a yacc library." >&4
 libyacc=''
 ;;
*)
echo "You don't seem to have yacc, so I won't look for the yacc library." >&4
 libyacc=''
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libyacc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Warn_v7EXT.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Warn_v7EXT.U,v $
?RCS: Revision 3.0.1.1  1994/10/29  16:01:42  ram
?RCS: patch36: call ./v7 explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:17  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit issues warnings to V7 sites that they are living dangerously.
```

```
?X: This unit needs to get mentioned in End.U to get included.
?X:
?MAKE:Warn_v7EXT: package Guess
?MAKE: -pick add $@ %<
: Warnings
if ./v7;
 then
 cat <<EOM

NOTE: the V7 compiler may ignore some #undefs that $package uses.  If so,
you may get messages about redefining EXT.  Some V7 compilers also have
difficulties with #defines near buffer boundaries, so beware.  You may have
to play with the spacing in some .h files, believe it or not.
EOM
fi
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Warn_v7EXT.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Whoa.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  15:21:21  ram
?RCS: patch61: whoa script now starts with leading "startsh"
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  16:02:01  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:19  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in in order
?X: to warn the user in case a change into a variable is noticed.
?X:
?X: To use this
 unit, $was must hold the old value that has changed. Upon
?X: exit, the two variables $td and $tu are set to the correct value for
```

```
?X: respectively defining or undefining a variable. For instance, if $vas was
?X: $undef, but now $var is $define, after calling . whoa, you should use
?X: eval "$var=\$tu" to finally set $var to the correct value. See unit Inlibc.
?X:
?MAKE:Whoa: Myread startsh hint
?MAKE: -pick add $@ %<
?F:./whoa
?T:var was
?LINT:change td tu
: set up the script used to warn in case of inconsistency
cat <<EOS >whoa
$startsh
EOS
cat <<'EOSC' >>whoa
dflt=y
echo " "
echo "*** WHOA THERE!!! ***" >&4
echo "    The $hint value for \$$var on this machine was \"$was\"!" >&4
rp="    Keep the $hint value?"
. ./myread
case "$ans" in
y) td=$was; tu=$was;;
esac
EOSC
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Whoa.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Unix.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:20:06  ram
?RCS: patch61: created
?RCS:
?X:
?X: The purpose of this unit is to define things that are common across all
?X: known UNIX platforms. If Configure is ported/used on a non-UNIX
```

```
?X: environment, then some of the following variables can be redefined in hint
?X: files.
?X:
?MAKE:Unix _a _o firstmakefile archobjs: Oldconfig
?MAKE: -pick add $@ %<
?S:_a (lib_ext):
?S: This variable defines the extension
 used for ordinary libraries.
?S: For unix, it is '.a'.  The '.' is included.  Other possible
?S: values include '.lib'.
?S:.
?S:_o (obj_ext):
?S: This variable defines the extension used for object files.
?S: For unix, it is '.o'.  The '.' is included.  Other possible
?S: values include '.obj'.
?S:.
?S:firstmakefile:
?S: This variable defines the first file searched by make.  On unix,
?S: it is makefile (then Makefile).  On case-insensitive systems,
?S: it might be something else.  This is only used to deal with
?S: convoluted make depend tricks.
?S:.
?S:archobjs:
?S: This variable defines any additional objects that must be linked
?S: in with the program on this architecture.  On unix, it is usually
?S: empty.  It is typically used to include emulations of unix calls
?S: or other facilities.  For perl on OS/2, for example, this would
?S: include os2/os2.obj.
?S:.
?INIT:: Extra object files, if any, needed on this platform.
?INIT:archobjs=''
: Define several unixisms.
: Hints files
 or command line option can be used to override them.
case "$_a" in
'') _a='.a';;
esac
case "$_o" in
'') _o='.o';;
esac

@if firstmakefile
: Which makefile gets called first.  This is used by make depend.
case "$firstmakefile" in
'') firstmakefile='makefile';;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Unix.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: rcs_branch.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: rcs_branch.U,v $
?RCS: Revision 3.0  1993/08/18  12:09:40  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:rcs_branch: Myread contains Loc
?MAKE: -pick add $@ %<
?S:rcs_branch:
?S: This variable will hold "true" if rcs can take the -b<revision>
?S: option, which can make Life Easier on those folks who like to run
?S: rcsdiff manually.
?S:.
?T:xxx
: Tra la la la la
echo " "
echo "Checking to see if RCS understands the -b switch..." >&4
xxx=`./loc
 rcs " $pth`
case "$xxx" in
")
 rcs_branch=false
 echo "Oh.  You don't seem to have RCS here."
 ;;
*)
 rcs > rcsbranch.out 2>&1
 if $contains 'b\[rev\]' rcsbranch.out  >/dev/null 2>&1 ; then
  rcs_branch=true
  echo "Nice!  Your RCS is spiffy!"
 else
  rcs_branch=false
 echo "Well, at least you have RCS.  You know, a newer version is available."
 fi
 ;;
```

```
esac

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/rcs_branch.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: vendorhtml3dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999, Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: vendorhtml3dir.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:vendorhtml3dir vendorhtml3direxp installvendorhtml3dir: html3dir Getfile \
 Oldconfig Setprefixvar Prefixit test vendorprefix prefix sed
?MAKE: -pick add $@ %<
?Y:TOP
?S:vendorhtml3dir:
?S: This variable contains the name of the directory for html
?S: library pages.  It may have a ~ on the front.
?S: The standard distribution will put nothing
 in this directory.
?S: Vendors who distribute perl may wish to place their own
?S: html pages for modules and extensions in this directory with
?S:  MakeMaker Makefile.PL INSTALLDIRS=vendor
?S: or equivalent.  See INSTALL for details.
?S:.
?S:vendorhtml3direxp:
?S: This variable is the ~name expanded version of vendorhtml3dir, so that you
?S: may use it directly in Makefiles or shell scripts.
?S:.
?D:installvendorhtml3dir=''
?S:installvendorhtml3dir:
?S: This variable is really the same as vendorhtml3direxp but may differ on
?S: those systems using AFS. For extra portability, only this variable
?S: should be used in makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installvendorhtml3dir
: Set the vendorhtml3dir variables
```

```
case "$vendorprefix" in
") vendorhtml3dir="
 vendorhtml3direxp="
 ;;
*) : determine where vendor-supplied module html pages go.
 : There is no standard location, so try to copy the previously-selected
 : directory structure for the core html pages.
 : XXX Better default
 suggestions would be welcome.
 case "$vendorhtml3dir" in
 ") dflt=`echo "$html3dir" | $sed "s#^$prefix#$vendorprefix#"` ;;
 *) dflt=$vendorhtml3dir ;;
 esac
 case "$dflt" in
 "|' ') dflt=none ;;
 esac
 fn=dn+~
 rp='Pathname for the vendor-supplied html pages?'
 . ./getfile
 vendorhtml3dir="$ans"
 vendorhtml3direxp="$ansexp"
 ;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorhtml3dir" = "X" && vendorhtml3dir=' '
prefixvar=vendorhtml3dir
. ./installprefix
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorhtml3dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Chk_whoami.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Chk_whoami.U,v $
?RCS: Revision 3.0  1993/08/18  12:04:46  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
```

```
?X: This unit makes sure we don't try to include whoami.h if uname() exists.
?X:
?MAKE:Chk_whoami: d_uname i_whoami
?MAKE: -pick add $@ %<
?LINT:change i_whoami
: weed out incompatibilities
case "$d_uname" in
 "$define") i_whoami="$undef" ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Chk_whoami.U
No license file was found, but licenses were detected in source scan.

```
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: You may distribute under the terms of either the GNU General Public
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_sigsetjmp.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_sigsetjmp.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extractall.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:00:43  ram
?RCS: patch61: created
?RCS:
?X:
?X: If extraction has been requested, load the configuration file, perform
?X: the extraction and exit.
?X:
?X: This unit was originally a part of Options.U. It had to be removed from
?X: it to prevent a dependency cycle: Extract -> src -> Options -> Extract
?X: The Begin.U unit now requires us before beginning to do anything
?X: interesting, to ensure proper semantics. -- RAM, 15/03/96
?X:
```

```
?MAKE:Extractall:
 Extract Options
?MAKE: -pick wipe $@ %<
: extract files and exit if asked to do so
case "$extractsh" in
true)
?X: Undo the forced silent=true when -S was supplied, by probing realsilent
?X: which was set iff -s was also given. See Options.U for details.
 case "$realsilent" in
 true) ;;
 *) exec 1>&4;;
 esac
 case "$config_sh" in
 ") config_sh='config.sh';;
 esac
 echo " "
 echo "Fetching answers from $config_sh..."
 cd ..
 . $config_sh
 test "$override" && . ./optdef.sh
 echo " "
?X: extract has to be run from the top directory, not within UU.
 . UU/extract
 rm -rf UU
 echo "Extraction done."
 exit 0
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Extractall.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Begin.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Begin.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  14:56:35  ram
?RCS: patch61: added Extractall dependency
?RCS:
```

```
?RCS: Revision 3.0.1.2  1995/01/30  14:25:08  ram
?RCS: patch49: avoid an empty rmlist: systems might choke on it (WED)
?RCS:
?RCS: Revision 3.0.1.1  1994/10/31  09:32:20  ram
?RCS: patch44: created
?RCS:
?X:
?X: This file comes after option processing had been done and after all
?X: the default values have been set up. It marks the beginning
 of questions.
?X: It is important that Options be listed *after* Myinit to ensure that the
?X: default initializations performed by Init and Myinit will not clobber
?X: any setting done on the command line via -D or -U.
?X:
?MAKE:Begin: Myinit Options package Extractall
?MAKE: -pick add $@ %<
: Eunice requires " " instead of "", can you believe it
echo " "
: Here we go...
echo "Beginning of configuration questions for $package."

?X: Make sure the rm below is given a non-empty list for some systems.
?X: This is run only when within the UU directory, hence we can safely
?X: attempt to rm a non-existent 'X' file...
trap 'echo " "; test -d ../UU && rm -rf X $rmlist; exit 1' 1 2 3 15
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Begin.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Instruct.U,v 3.0.1.3 1997/02/28 15:02:55 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Instruct.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  15:02:55  ram
?RCS: patch61: logname / whoami sequence rewritten to use case
?RCS:
?RCS: Revision 3.0.1.2  1995/02/15  14:11:34  ram
?RCS: patch51: author name now appears at the end of the paragraph (WED)
?RCS:
```

```
?RCS: Revision 3.0.1.1  1995/01/11  15:12:05  ram
?RCS: patch45: now documents the & escape to turn -d on at the read prompt
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:04  ram
?RCS: Baseline for
 dist 3.0 netwide release.
?RCS:
?X:
?X: This unit spew out the directions that we want everyone to read.  I try to
?X: keep the first "pagefull" much less than a page since they don't know it
?X: isn't going to go shooting off the top of the screen, and we don't want
?X: to panic them yet.
?X:
?MAKE:Instruct: Myread Configdir Devel contains
?MAKE: -pick wipe $@ %<
?T:user needman firsttime
: general instructions
needman=true
firsttime=true
user=`(logname) 2>/dev/null`
case "$user" in
") user=`whoami 2>&1`;;
esac
if $contains "^$user\$" ../.config/instruct >/dev/null 2>&1; then
 firsttime=false
 echo " "
 rp='Would you like to see the instructions?'
 dflt=n
 . ./myread
 case "$ans" in
 [yY]*) ;;
 *) needman=false;;
 esac
fi
if $needman; then
 cat <<EOH

This installation shell script will examine your system and ask you questions
to determine how the <PACKAGENAME> package should be installed. If you get
stuck on a question, you may use a ! shell escape to start a subshell or
execute a
 command.  Many of the questions will have default answers in square
brackets; typing carriage return will give you the default.

On some of the questions which ask for file or directory names you are allowed
to use the ~name construct to specify the login directory belonging to "name",
even if you don't have a shell which knows about that.  Questions where this is
allowed will be marked "(~name ok)".
```

```
EOH
 rp=''
 dflt='Type carriage return to continue'
 . ./myread
 cat <<'EOH'

The prompter used in this script allows you to use shell variables and
backticks in your answers.  You may use $1, $2, etc...  to refer to the words
in the default answer, as if the default line was a set of arguments given to a
script shell.  This means you may also use $* to repeat the whole default line,
so you do not have to re-type everything to add something to the default.

Every time there is a substitution, you will have to confirm.  If there is an
error (e.g. an unmatched backtick), the default answer
 will remain unchanged
and you will be prompted again.

If you are in a hurry, you may run 'Configure -d'.  This will bypass nearly all
the questions and use the computed defaults (or the previous answers if there
was already a config.sh file). Type 'Configure -h' for a list of options.
You may also start interactively and then answer '& -d' at any prompt to turn
on the non-interactive behaviour for the remainder of the execution.

EOH
 . ./myread
 cat <<EOH

Much effort has been expended to ensure that this shell script will run on any
Unix system.  If despite that it blows up on yours, your best bet is to edit
Configure and run it again.  If you can't run Configure for some reason,
you'll have to generate a config.sh file by hand.  Whatever problems you
have, let me (<MAINTLOC>) know how I blew it.

This installation script affects things in two ways:

1) it may do direct variable substitutions on some of the files included
  in this kit.
2) it builds a config.h file for inclusion in
 C programs.  You may edit
  any of these files as the need arises after running this script.

If you make a mistake on a question, there is no easy way to back up to it
currently.  The easiest thing to do is to edit config.sh and rerun all the SH
files.  Configure will offer to let you do this before it runs the SH files.

EOH
?X: In case they played with the prompter...
```

```
 dflt='Type carriage return to continue'
 . ./myread
 case "$firsttime" in
 true) echo $user >>../.config/instruct;;
 esac
fi
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Instruct.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: maildir.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: maildir.U,v $
?RCS: Revision 3.0.1.1  1993/12/15  08:21:56  ram
?RCS: patch15: now also looks under /var/mail for BSD/386
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:09  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:maildir maildirexp: Getfile Loc Oldconfig
?MAKE: -pick add $@ %<
?S:maildir:
?S: This variable contains the name of the directory in which mail is
?S: spooled. Programs using this variable must be prepared to deal with
?S: ~name
 substitutions.
?S:.
?S:maildirexp:
?S: This is the same as the maildir variable, but is filename expanded
?S: at configuration time, for programs not willing to deal with it at
?S: run-time.
?S:.
: determine where mail is spooled
case "$maildir" in
") dflt=`./loc . /usr/spool/mail /usr/spool/mail /usr/mail /var/mail`;;
*) dflt="$maildir";;
esac
echo " "
```

```
fn=d~
rp='Where is yet-to-be-read mail spooled?'
. ./getfile
maildir="$ans"
maildirexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/maildir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Inlibc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Inlibc.U,v $
?RCS: Revision 3.0.1.1  1994/10/29  15:55:08  ram
?RCS: patch36: call ./whoa explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:03  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit checks for the definition of a given function.
?X:
?X: To use it, say:
?X: set function d_func
?X: eval $inlibc
?X:
?MAKE:Inlibc: Csym Whoa Oldconfig
?MAKE: -pick add $@ %<
?LINT:define inlibc
?V:inlibc
?S:inlibc:
?S: This
 shell variable is used internally by Configure to check
?S: wether a given function is defined or not. A typical use is:
?S:  set function d_func
?S:  eval $inlibc
?S: That will print a message, saying wether function was found or
?S: not and set d_func accordingly.
?S:.
```

```
?T:was tx sym tres td tu var
: define an is-in-libc? function
inlibc='echo " "; td=$define; tu=$undef;
sym=$1; var=$2; eval "was=\$$2";
tx=yes;
case "$reuseval$was" in
true) ;;
true*) tx=no;;
esac;
case "$tx" in
yes)
 set $sym tres -f;
 eval $csym;
 case "$tres" in
 true)
  echo "$sym() found." >&4;
  case "$was" in $undef) . ./whoa; esac; eval "$var=\$td";;
 *)
  echo "$sym() NOT found." >&4;
  case "$was" in $define) . ./whoa; esac; eval "$var=\$tu";;
 esac;;
*)
 case "$was" in
 $define) echo "$sym() found." >&4;;
 *) echo "$sym() NOT found." >&4;;
 esac;;
esac'
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Inlibc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: man1dir.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:10:29  ram
?RCS: patch61: created
?RCS:
```

```
?X:
?X: This was originally specific to perl5.  Since perl5 has man pages that
?X: go in both man1/ and man3/ directories, we need both man1dir
?X: and man3dir.  This unit is basically dist's mansrc.U with
?X: man1 used instead of man everywhere.
?X:
?MAKE:man1dir man1direxp man1ext installman1dir: afs cat nroff Loc Oldconfig \
 spackage test Getfile Prefixit prefixexp
 Prefixup sysman Myread
?MAKE: -pick add $@ %<
?Y:TOP
?S:man1dir:
?S: This variable contains the name of the directory in which manual
?S: source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?S:man1direxp:
?S: This variable is the same as the man1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?S:installman1dir:
?S: This variable is really the same as man1direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man1direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:man1ext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '1'.  The Makefile must supply the '.'.
?S: See man1dir.
?S:.
?T:lookpath
: determine
 where manual pages go
set man1dir man1dir none
eval $prefixit
$cat <<EOM

$spackage has manual pages available in source form.
EOM
case "$nroff" in
nroff)
 echo "However, you don't have nroff, so they're probably useless to you."
 case "$man1dir" in
 ") man1dir="none";;
 esac;;
esac
```

```
echo "If you don't want the manual sources installed, answer 'none'."
case "$man1dir" in
' ') dflt=none
 ;;
")
 lookpath="$prefixexp/man/man1 $prefixexp/man/l_man/man1"
 lookpath="$lookpath $prefixexp/man/p_man/man1"
 lookpath="$lookpath $prefixexp/man/u_man/man1"
 lookpath="$lookpath $prefixexp/man/man.1"
?X: Experience has shown people expect man1dir to be under prefix,
?X: so we now always put it there.  Users who want other behavior
?X: can answer interactively or use a command line option.
?X: Does user have System V-style man paths.
 case "$sysman" in
 */?_man*) dflt=`./loc . $prefixexp/l_man/man1 $lookpath` ;;
 *) dflt=`./loc . $prefixexp/man/man1 $lookpath` ;;
 esac
 set dflt
 eval $prefixup
 ;;
*)
  dflt="$man1dir"
 ;;
esac
echo " "
fn=dn+~
rp="Where do the main $spackage manual pages (source) go?"
. ./getfile
if $test "X$man1direxp" != "X$ansexp"; then
 installman1dir="
fi
man1dir="$ans"
man1direxp="$ansexp"
case "$man1dir" in
") man1dir=' '
 installman1dir=";;
esac
if $afs; then
 $cat <<EOM

Since you are running AFS, I need to distinguish the directory in which
manual pages reside from the directory in which they are installed (and from
which they are presumably copied to the former directory by occult means).

EOM
 case "$installman1dir" in
 ") dflt=`echo $man1direxp | sed 's#^/afs/#/afs/.#'`;;
 *) dflt="$installman1dir";;
```

```
 esac
 fn=de~
 rp='Where will man pages be installed?'
 . ./getfile
 installman1dir="$ans"
else
 installman1dir="$man1direxp"
fi

: What suffix to use on installed man pages

case "$man1dir" in
' ')
 man1ext='0'
 ;;
*)
 rp="What suffix should be used for the main $spackage man pages?"
 case "$man1ext" in
 ") case "$man1dir" in
  *1)  dflt=1 ;;
  *1p)
 dflt=1p ;;
  *1pm) dflt=1pm ;;
  *l) dflt=l;;
  *n) dflt=n;;
  *o) dflt=o;;
  *p) dflt=p;;
  *C) dflt=C;;
  *L) dflt=L;;
  *L1) dflt=L1;;
  *) dflt=1;;
  esac
  ;;
 *) dflt="$man1ext";;
 esac
 . ./myread
 man1ext="$ans"
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/man1dir.U
No license file was found, but licenses were detected in source scan.

```
/*|?:[\/]*)
if test -f "$xxx"; then
: ok
```

```
else
echo "WARNING: no $xxx -- ignoring your setting for $file." >&4
xxx=`./loc $file $file $pth`
fi
;;
") xxx=`./loc $file $file $pth`;;
*) xxx=`./loc $xxx $xxx $pth`;;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\\/]*)
echo $file is in $xxx.
;;
*)
echo "I don't know where '$file' is, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac
done
echo " "
echo "Don't worry if any of the following aren't found..."
say=offhand
for file in $trylist; do
?X: Allow them to -Dmake=pmake on the command line for instance (see above)
eval xxx=\$$file
case "$xxx" in
/*|?:[\\/]*)
if test -f "$xxx"; then
: ok
else
echo "WARNING: no $xxx -- ignoring your setting for $file." >&4
xxx=`./loc $file $file $pth`
fi
;;
") xxx=`./loc $file $file $pth`;;
*)
 xxx=`./loc $xxx $xxx $pth`;;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
```

```
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\/]*)
echo $file is in $xxx.
;;
*)
echo "I don't see $file out there, $say."
say=either
;;
esac
done
case "$egrep" in
egrep)
echo "Substituting grep for egrep."
egrep=$grep
_egrep=$grep
;;
esac
@if less
case "$less" in
") ;;
*) if $less -R </dev/null >/dev/null 2>&1; then
echo "Substituting less -R for less."
less="$less -R"
_less=$less
fi
;;
esac
@end
@if ln
case "$ln" in
ln)
echo "Substituting cp for ln."
ln=$cp
_ln=$cp
;;
esac
@end
@if make || gmake
case "$make" in
make)
case "$gmake" in
gmake)
echo "I can't find make or gmake, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
;;
```

```
esac
;;
esac
case "$gmake" in
gmake) ;;
*) # We can't have osname yet.
if test -f "/system/gnu_library/bin/ar.pm"; then # Stratus VOS
# Assume that gmake, if found, is definitely
 GNU make
# and prefer it over the system make.
echo "Substituting gmake for make."
make=$gmake
_make=$gmake
fi
;;
esac
@end
case "$test" in
test)
echo "Hopefully test is built into your sh."
;;
*)
if `sh -c "PATH= test true" >/dev/null 2>&1`; then
echo "Using the test built into your sh."
?X:
?X: We need to set both test and _test, since Oldconfig.U will use the _test
?X: value to systematically restore computed paths, which may be wrong if
?X: we choose to load an old config.sh generated on another platform.
?X:
test=test
_test=test
fi
;;
esac
?LINT:change n c
case "$echo" in
echo)
echo "Hopefully echo is built into your sh."
;;
?X: For those rare cases where we don't need $echo...
") ;;
*)
echo " "
echo "Checking compatibility between $echo and builtin echo (if any)..." >&4
$echo $n "hi there$c" >foo1
echo $n "hi there$c" >foo2
if cmp foo1 foo2 >/dev/null 2>&1; then
echo "They are compatible.  In fact, they may be identical."
```

```
else
case "$n" in
'-n') n=" c='\c';;
*) n='-n' c=";;
esac
cat
 <<FOO
They are not compatible!  You are probably running ksh on a non-USG system.
I'll have to use $echo instead of the builtin, since Bourne shell doesn't
have echo built in and we may have to run some Bourne shell scripts.  That
means I'll have to use '$n$c' to suppress newlines now.  Life is ridiculous.

FOO
$echo $n "The star should be here-->$c"
$echo "*"
fi
$rm -f foo1 foo2
;;
esac

?X: The next part is irrelevant to the real process
# This question was auctioned at YAPC::Europe-2007 in Vienna
# I never promised you could answer it. I only auctioned the question.
cat <<FOO
The following message is sponsored by

Dresden.pm<--The stars should be here.

Dear Perl user, system administrator or package
maintainer, the Perl community sends greetings to
you. Do you (emblematical) greet back [Y/n]? n

FOO

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Loc.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: MailList.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: MailList.U,v $
?RCS: Revision 3.0.1.1  1994/01/24  14:01:49  ram
?RCS: patch16: created
?RCS:
?RCS:
?X:
?X: This unit offers the user the option of subscribing to the mailing
?X: list. To force inclusion of this unit, you must add it's name to the
?X: dependancies on the MAKE line in your private copy of End.U.
?X: The address of the mailing list server must be set via a "list_request=..."
?X:
 entry in the .package file. This is usually done by running packinit and
?X: answering the proper questions.
?X:
?MAKE:MailList: cat mailer package Myread cf_name cf_email
?MAKE: -pick wipe $@ %<
?T:list_request list_sub list_unsub list_name
?X:
?X: The cf_name dependency is used through list_sub when the mailing list
?X: manager happens to be listserv, whereas cf_email is used whith majordomo
?X: or when the mailing list request address is scanned by a human. Since
?X: they do not appear within the unit itself, we need a lint hint.
?X:
?LINT:use cf_name cf_email
: offer to join the mailing list
list_request='<$list_request>'
list_sub="<$list_sub>"
list_unsub="<$list_unsub>"
list_name="<$list_name>"
$cat <<EOM

There is a mailing list for discussion about $package and related issues.
This is the preferred place to ask questions about the program and discuss
modifications and additions with the author and other users.  If you are able
to send mail to the Internet, you
 are encouraged to subscribe.  You need only
ever subscribe once, and you can unsubscribe automatically at any time in the
future.  If you have already subscribed and you wish to unsubscribe now, you
may do so by answering "unsubscribe".  Answer "subscribe" to subscribe to the
list.

EOM
rp="Subscribe to or unsubscribe from the $list_name mailing list?"
dflt=neither
. ./myread
```

```
case "$ans" in
[sS]*) $cat <<EOM

You will be sent a message from the list server to let you know when your
subscription has been successful and telling you how to submit articles and
how to unsubscribe again when necessary. You may also unsubscribe by running
this script again and asking it to do so for you.

EOM
 echo "Sending mail to subscribe you to the $list_name list..." >&4
 $mailer $list_request <<EOM >/dev/null 2>&1
Precedence: junk
To: $list_request

$list_sub
EOM
 ;;
[uU]*) echo "Sending mail to unsubscribe you from the $list_name list..." >&4
 $mailer $list_request <<EOM >/dev/null 2>&1
Precedence: junk
To:
 $list_request

$list_unsub
EOM
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/MailList.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libdbm.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libdbm.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:56:57  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:58  ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libdbm: test Loc libpth _a
?MAKE: -pick add $@ %<
?S:libdbm:
?S: This variable contains the argument to pass to the loader in order
?S: to get the dbm library routines.  If there is no dbm or ndbm
?S: library, it is null.
?S:.
?T:xxx
:
 see if we should include -ldbm
echo " "
if $test -r /usr/lib/libndbm$_a || $test -r /usr/local/lib/libndbm$_a ; then
 echo "-lndbm found." >&4
 libdbm='-lndbm'
elif $test -r /usr/lib/libdbm$_a || $test -r /usr/local/lib/libdbm$_a ; then
 echo "-ldbm found." >&4
 libdbm='-ldbm'
else
 xxx=`./loc libdbm$_a x $libpth`
 case "$xxx" in
 x)
  echo "No dbm library found." >&4
  libdbm=''
  ;;
 *)
  echo "DBM library found in $xxx." >&4
  libdbm="$xxx"
  ;;
 esac
fi
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libdbm.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Unix.U,v 3.0.1.1 1997/02/28 15:20:06 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
```

```
?RCS: $Log: Unix.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:20:06  ram
?RCS: patch61: created
?RCS:
?X:
?X: The purpose of this unit is to define things that are common across all
?X: known UNIX platforms. If Configure is ported/used on a non-UNIX
?X: environment, then some of the following variables can be redefined in hint
?X: files.
?X:
?MAKE:Unix _exe _a _o exe_ext lib_ext obj_ext path_sep \
 firstmakefile archobjs rm_try: Oldconfig rm
?MAKE: -pick add $@ %<
?S:_exe:
?S: This
 variable defines the extension used for executable files.
?S: DJGPP, Cygwin and OS/2 use '.exe'.  Stratus VOS uses '.pm'.
?S: On operating systems which do not require a specific extension
?S: for executable files, this variable is empty.
?S:.
?S:_a:
?S: This variable defines the extension used for ordinary library files.
?S: For unix, it is '.a'.  The '.' is included.  Other possible
?S: values include '.lib'.
?S:.
?S:_o:
?S: This variable defines the extension used for object files.
?S: For unix, it is '.o'.  The '.' is included.  Other possible
?S: values include '.obj'.
?S:.
?S:firstmakefile:
?S: This variable defines the first file searched by make.  On unix,
?S: it is makefile (then Makefile).  On case-insensitive systems,
?S: it might be something else.  This is only used to deal with
?S: convoluted make depend tricks.
?S:.
?S:archobjs:
?S: This variable defines any additional objects that must be linked
?S: in with the program on this architecture.  On unix, it is usually
?S: empty.
  It is typically used to include emulations of unix calls
?S: or other facilities.  For perl on OS/2, for example, this would
?S: include os2/os2.obj.
?S:.
?X: Metaconfig's Obsolete symbol stuff is too over-eager.  In the
?X: perl sources, it picks up things like "P" and "FLOCK" that are
?X: not used in the way Metaconfig thinks they are.  Thus I can't
?X: just declare these obsolete and then run metaconfig -o.
```

```
?X: Instead, I'll just handle them here.
?X: Sadly, history has conspired to give us a web of definitions;
?X: this could have been much simpler.
?S:lib_ext:
?S: This is an old synonym for _a.
?S:.
?S:exe_ext:
?S: This is an old synonym for _exe.
?S:.
?S:obj_ext:
?S: This is an old synonym for _o.
?S:.
?S:path_sep:
?S: This is an old synonym for p_ in Head.U, the character
?S: used to separate elements in the command shell search PATH.
?S:.
?S:rm_try:
?S: This is a cleanup variable for try test programs.
?S: Internal Configure use only.
?S:.
?LINT: change p_
?INIT::
 Trailing extension.  Override this in a hint file, if needed.
?INIT:: Extra object files, if any, needed on this platform.
?INIT:archobjs="
: Define several unixisms.
: Hints files or command line option can be used to override them.
: The convoluted testing is in case hints files set either the old
: or the new name.
case "$_exe" in
") case "$exe_ext" in
 ") ;;
 *) _exe="$exe_ext" ;;
 esac
 ;;
esac
case "$_a" in
") case "$lib_ext" in
   ") _a='.a';;
 *) _a="$lib_ext" ;;
 esac
 ;;
esac
case "$_o" in
") case "$obj_ext" in
 ") _o='.o';;
 *) _o="$obj_ext";;
 esac
```

```
 ;;
esac
case "$p_" in
") case "$path_sep" in
 ") p_=':';;
 *) p_="$path_sep";;
 esac
 ;;
esac
exe_ext=$_exe
lib_ext=$_a
obj_ext=$_o
path_sep=$p_

rm_try="$rm -f try try$_exe a.out .out try.[cho] try.$_o core core.try* try.core*"

@if firstmakefile
: Which makefile gets called first.  This is used by make depend.
case "$firstmakefile" in
") firstmakefile='makefile';;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Unix.U
No license file was found, but licenses were detected in source scan.

Perl5 Metaconfig Units

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These units are the ones I used to build Configure and config_h.SH
in the Perl5 distribution.

The Configure script and config_h.SH file in the Perl distribution are
generated by a program called metaconfig. To run metaconfig, you will
need the full dist 3.0 distribution, maintained by Raphael Manfredi.
As of this writing, the current version is dist3.0, patchlevel 70.
Dist version dist-3.0@70.tar.gz is available on CPAN (the Comprehensive
Perl Archive Network) as
<http://www.perl.com/perl/CPAN/authors/id/RAM/dist-3.0@70.tar.gz>.

Instructions:

1. Unpack the full perl5 sources. Execute the following command

chmod +w Configure config_h.SH Porting/Glossary Porting/config*

2. Unpack the archive containing this file in the perl5 source directory. This will create a directory 'U' under the perl5 sources. That directory will contain the metaconfig units for perl5. This will also create two files in the perl5 source tree: MANIFEST.new and .package.

3. Apply any patches to perl in the perl_patches/ directory. (This may well be empty.)

4. Obtain and install dist-3.0pl70.

4. Apply any patches to dist under the dist_patches subdirectory.

5. From your main perl5 source directory, run packinit to regenerate the .package file. IMPORTANT: Change the name and address of the maintainer to your own name and address. I don't want bug reports intended for you coming to me.

6. From your main perl5 source directory, run

metalint (or mlint)

and repair every failure it reports.

7. From your main perl5 source directory, run

metaconfig -m (or mconfig -m)

8. Edit U/mkglossary and/or U/mkgloss.pl to point to your dist-3.0pl70 location. (See comments at the top.)

9. Run the Porting/mksample script to update the contents of the Porting/ subdirectory, or run all parts by hand. (see README)

NB: this script used to be U/mksample replaced by Porting/mksample; see Porting/pumpkin.pod instead for current documentation on its use.

10. Let me know about any changes, corrections, or enhancements.

Things to watch out for:

1. Future support of better random number generators should probably start with the randfunc.U unit included here. It's currently broken, but well commented and probably a good place to start.

Descriptions:

The units and other related files have been broken up into the following directories:

acl/
This is an old patch to begin to detect and use ACL (access control list) file protection schemes.

compline/
These are similar to the standard units, but I have modified them to have a more uniform compile command line, usually using the new Compile.U unit. I have submitted these for inclusion into the regular dist distribution. (The ccflags.U unit is actually perl-specific since it mentions -DDEBUGGING and -DPOSIX_SOURCE, but that's the only place it is perl-specific.)

dist_patches/
These are patches to dist that must be applied before it is built and installed. I have submitted these for inclusion in the regular dist distribution.

modified/
These are modified versions of the standard units. Also included in this directory are new units that are clearly derived from existing units. I have submitted these for inclusion in the regular dist distribution.

perl/
These are specific to perl. Some are heavily derived from original dist units, and are marked as such. Others are original.

perl_patches/
These are patches to the perl source. This directory should ordinarily be empty, but there may have been drift between the standard version of perl and the one associated with these units.

protos/
These are units modified to use the new Hasproto.U or Protochk.U units to check for prototypes. I have submitted these for inclusion into the regular dist distribution.

target/
This is the very, very beginning of cross-compiler support.
It doesn't work yet, and many standard units will need
modification.

typedefs/
These are standard units modified to use the modified Typedef.U
unit to check for typedefs. (The modified Typdef.U includes a
function to avoid unnecessary prompts if the typdef being searched
for exists.) I have submitted these for inclusion into the
regular dist distribution.

threads/
These are specific to threading perl.

Copyright Information:

Unless otherwise indicated, the files contained in this
distribution are:

Copyright (c) 1996-1998, Andy Dougherty

The following licensing terms apply to all files contained in
this distribution:

You may distribute the files contained in this distribution
under the terms of either

a) the "Artistic License" which comes with Perl,
or

b) the "Artistic License" which comes with dist, or

c) the GNU General Public License as published by the Free
Software Foundation; either version 1, or (at your option) any
later version (see the file "Copying" that comes with the
Perl distribution).

Which one to use is your choice.

The units in the "modified" directory have been derived from units
associated with the metaconfig program of Raphael Manfredi's "dist"
distribution. These units list Raphael Manfredi as the Copyright holder.
dist is distributed under a modified version of the Perl Artistic License.
Clause 7 of this modified license as contained in dist-3.0-pl60 provides:

7. You may reuse parts of this Package in your own programs, provided
that you explicitly state where you got them from, in the source code

(and, left to your courtesy, in the documentation), duplicating
all the associated copyright notices and disclaimers. Besides
your changes, if any, must be clearly marked
as such. Parts reused
that way will no longer fall under this license if, and only if,
the name of your program(s) have no immediate connection with the
name of the Package itself or its associated programs. You may then
apply whatever restrictions you wish on the reused parts or choose
to place them in the Public Domain--this will apply only within the
context of your package.

In accordance with this clause, the versions of these units
contained here are made available under the same terms as the
rest of the units.

If you have any questions about the use of these units or about
the differences between these units and the standard versions, please
feel free to ask.

Andy Dougherty doughera@lafayette.edu
Dept. of Physics
Lafayette College
Easton, PA 18042-1782

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/README.dist
No license file was found, but licenses were detected in source scan.

?RCS: $Id: AAAAA.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: AAAAA.U,v $
?RCS: Revision 3.0.1.4 1994/06/20 06:50:26 ram
?RCS: patch30: changes from Jarkko Hietaniemi are tagged with JHI
?RCS:
?RCS: Revision 3.0.1.3 1994/05/06 14:01:39 ram
?RCS: patch23: initials for Wayne Davison are now WED
?RCS: patch23: added initials for new unit contributor Andy Dougherty
?RCS:
?RCS: Revision 3.0.1.2 1994/01/24 14:01:09 ram

```
?RCS: patch16: make metalint shut up on special unit definition for All target
?RCS:
?RCS: Revision
 3.0.1.1  1993/09/13  15:43:57  ram
?RCS: patch10: documents initials used for Wayne Davison's contributions
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:44  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: The purpose of this file is to supply the head of the Makefile created
?X: by metaconfig.  For this reason it must be first in alphabetical order.
?X: The leading '+' in front of the unit name is a hint for metalint, since
?X: the use of that special unit name as a "made" unit is legitimate here.
?X:
?MAKE:+All: Finish
?X:
?X: Throughout the units, the following initials are used to identify comments:
?X:
?X:  HMS: Harlan Stenn
?X:  RAM: Raphael Manfredi
?X:  WED: Wayne Davison (was WAD by mistake--RAM)
?X:  ADO: Andy Dougherty
?X:  JHI: Jarkko Hietaniemi
?X:
?X: Agreed, this is a weird place to document it, but I couldn't find a better
?X: place to do so. I've bet on the curiosity of users, who would probably
?X: want to know what's in this strangely-named file--RAM.
```

Found
 in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/AAAAA.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:sitehtml3dir sitehtml3direxp installsitehtml3dir: Getfile \
 Setprefixvar prefix siteprefix html3dir sed
?MAKE: -pick add $@ %<
```

```
?Y:TOP
?D:sitehtml3dir=''
?S:sitehtml3dir:
?S: This variable contains the name of the directory in which site-specific
?S: library html source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S: The standard distribution will put nothing in this directory.
?S: After
 perl has been installed, users may install their own local
?S: library html pages in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:sitehtml3direxp=''
?S:sitehtml3direxp:
?S: This variable is the same as the sitehtml3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installsitehtml3dir=''
?S:installsitehtml3dir:
?S: This variable is really the same as sitehtml3direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: html3direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installsitehtml3dir
?LINT:set sitehtml3dir
?LINT:set sitehtml3direxp
: determine where add-on library html pages go
: There is no standard location, so try to copy the previously-selected
: directory structure for the core html pages.
case
 "$sitehtml3dir" in
")    dflt=`echo "$html3dir" | $sed "s#^$prefix#$siteprefix#"` ;;
*)     dflt=$sitehtml3dir ;;
esac
case "$dflt" in
"|' ') dflt=none ;;
esac
fn=dn+~
rp='Pathname where the site-specific library html pages should be installed?'
. ./getfile
prefixvar=sitehtml3dir
. ./setprefixvar

Found in path(s):
```

* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/sitehtml3dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorman3dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999-2000, Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: vendorman3dir.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:vendorman3dir vendorman3direxp installvendorman3dir: man3dir Getfile \
 Oldconfig Setprefixvar Prefixit test vendorprefix prefix sed
?MAKE: -pick add $@ %<
?Y:TOP
?S:vendorman3dir:
?S: This variable contains the name of the directory for man3
?S: pages.  It may have a ~ on the front.
?S: The standard distribution will put nothing in this directory.
?S: Vendors
 who distribute perl may wish to place their own
?S: man3 pages in this directory with
?S:  MakeMaker Makefile.PL INSTALLDIRS=vendor
?S: or equivalent.  See INSTALL for details.
?S:.
?S:vendorman3direxp:
?S: This variable is the ~name expanded version of vendorman3dir, so that you
?S: may use it directly in Makefiles or shell scripts.
?S:.
?D:installvendorman3dir="
?S:installvendorman3dir:
?S: This variable is really the same as vendorman3direxp but may differ on
?S: those systems using AFS. For extra portability, only this variable
?S: should be used in makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installvendorman3dir
: Set the vendorman3dir variables
case "$vendorprefix" in
") vendorman3dir="
 vendorman3direxp="
```

```
 ;;
*) : determine where vendor-supplied module manual pages go.
 case "$vendorman3dir" in
 ") dflt=`echo "$man3dir" | $sed "s#^$prefix#$vendorprefix#"` ;;
 *) dflt=$vendorman3dir ;;
 esac
 case "$dflt" in
 "|' ') dflt=none ;;
 esac
 fn=nd~+
 rp='Pathname
 for the vendor-supplied manual section 3 pages?'
 . ./getfile
 vendorman3dir="$ans"
 vendorman3direxp="$ansexp"
 ;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorman3dir" = "X" && vendorman3dir=' '
prefixvar=vendorman3dir
. ./installprefix
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorman3dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Extract.U,v 3.0.1.2 1997/02/28 14:58:52 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Extract.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  14:58:52  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  15:51:46  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:52  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
```

```
?X: This unit produces a shell script which can be doted in order to extract
?X: .SH files with variable substitutions.
?X:
?X: When running
 Configure from a remote directory ($src is not '.'),
?X: then the files will be created in that directory, so beware!
?X:
?MAKE:Extract: src
?MAKE: -pick add $@ %<
?F:./extract
?T:PERL_CONFIG_SH dir file name create mkdir_p
: script used to extract .SH files with variable substitutions
cat >extract <<'EOS'
PERL_CONFIG_SH=true
echo "Doing variable substitutions on .SH files..."
if test -f MANIFEST; then
 set x `awk '{print $1}' < MANIFEST | grep '\.SH$'`
else
 echo "(Looking for .SH files under the source directory.)"
 set x `(cd "$src"; find . -name "*.SH" -print)`
fi
shift
case $# in
0) set x `(cd "$src"; echo *.SH)`; shift;;
esac
if test ! -f "$src/$1"; then
 shift
fi
?X: script to emulate mkdir -p
mkdir_p='
name=$1;
create="";
while test $name; do
 if test ! -d "$name"; then
  create="$name $create";
  name=`echo $name | sed -e "s|^[^/]*$||"`;
  name=`echo $name | sed -e "s|\(.*\)/.*|\1|"`;
 else
  name="";
 fi;
done;
for file in $create; do
 mkdir $file;
done
'
for file in $*;
 do
 case "$src" in
```

```
 ".")
  case "$file" in
  */*)
   dir=`expr X$file : 'X\(.*\)/'`
   file=`expr X$file : 'X.*/\(.*\)'`
   (cd "$dir" && . ./$file)
   ;;
  *)
   . ./$file
   ;;
  esac
  ;;
 *)
?X:
?X: When running Configure remotely ($src is not '.'), we cannot source
?X: the files directly, since that would wrongly cause the extraction
?X: where the source lie instead of withing the current directory. Therefore,
?X: we need to 'sh <file' then, which is okay since they will source the
?X: existing config.sh file. It's not possible to use:
?X:  ../src/Configure -S -O -Dsomething
?X: unfortunately since no new config.sh with the -Dsomething override
?X: will be created before running the .SH files. A minor buglet.
?X:
?X: Note that we must create the directory hierarchy ourselves if it does
?X: not exist already, and that is done through a shell emulation of the
?X: 'mkdir -p' command. We don't want to use the $installdir metaconfig
?X: symbol here since that would require too much to
 be configured for
?X: this simple extraction task that may happen quickly with 'Configure -S'.
?X:  -- RAM, 18/03/96
?X:
  case "$file" in
  */*)
   dir=`expr X$file : 'X\(.*\)/'`
   file=`expr X$file : 'X.*/\(.*\)'`
   (set x $dir; shift; eval $mkdir_p)
   sh <"$src/$dir/$file"
   ;;
  *)
   sh <"$src/$file"
   ;;
  esac
  ;;
 esac
done
if test -f "$src/config_h.SH"; then
 if test ! -f config.h; then
 : oops, they left it out of MANIFEST, probably, so do it anyway.
```

```
 . "$src/config_h.SH"
 fi
fi
EOS
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Extract.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Warn.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extract.U,v $
?X:
?X: This unit produces a shell script which can be run in order to emit
?X: an important warning to the user, which will be remembered and shown
?X: at the end of the Configure run as well.
?X:
?X: A typical use would be:
?X:
?X:  ./warn <<EOM
?X:  Problem with your C compiler: can't turn debugging on.
?X:  EOM
?X:
?X: or:
?X:
?X:  ./warn "Problem with your C compiler: can't turn debugging on."
?X:
?X: Which will both display to the user:
?X:
?X:  ***
 WARNING:
?X:  *** Problem with your C compiler: can't turn debugging on.
?X:  ***
?X:
?MAKE:Warn: startsh eunicefix
?MAKE: -pick add $@ %<
?F:./warn
: script used to emit important warnings
cat >warn <<EOS
```

```
$startsh
?X: Read the whole warning message from stdin into a temporary file
?X: when no argument was supplied.
if test \$# -gt 0; then
 echo "\$@" >msg
else
 cat >msg
fi
?X: Emit the warning, prefixing all lines with '*** '
echo "*** WARNING:" >&4
sed -e 's/^/*** /' <msg >&4
echo "*** " >&4
?X: Save the warning in the logs, which will be shown again at the end
cat msg >>config.msg
echo " " >>config.msg
rm -f msg
EOS
chmod +x warn
$eunicefix warn
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Warn.U
No license file was found, but licenses were detected in source scan.

```
/*
* This file was produced by running the config_h.SH script, which
* gets its values from $CONFIG_SH, which is generally produced by
* running Configure.
*
* Feel free to modify any of this as the need arises.  Note, however,
* that running config_h.SH again will wipe out any changes you've made.
* For a more permanent change edit $CONFIG_SH and rerun config_h.SH.
*
* \$Id: Config_h.U 1 2006-08-24 12:32:52Z rmanfredi $
*/
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Config_h.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Myinit.U,v $
?RCS: Revision 3.0.1.1  1994/10/31  09:47:29  ram
?RCS: patch44: leading comment states this unit comes before option processing
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:07  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: If you want to initialize any default values, copy this unit to your
?X: personal U directory and add the assignments to the end.  This file
?X: is included after variables are initialized but before any old
?X: config.sh file is read in and before
 any Configure switch processing.
?X:
?MAKE:Myinit: Init
?MAKE: -pick add $@ %<
?LINT: nocomment
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Myinit.U
No license file was found, but licenses were detected in source scan.

```
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:perladmin: cf_email Oldconfig Myread cat
?MAKE: -pick add $@ %<
?Y:TOP
?S:perladmin:
?S: Electronic mail address of the perl5 administrator.
?S:.
: Ask e-mail of administrator
$cat <<EOM

If you or somebody else will be maintaining perl at your site, please
fill in the correct e-mail address here so that they may be contacted
if necessary. You may enter "none" for no administrator.

EOM
case "$perladmin" in
") dflt="$cf_email";;
```

```
*) dflt="$perladmin";;
esac
rp='Perl administrator e-mail address'
. ./myread
perladmin="$ans"
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/perladmin.U
No license file was found, but licenses were detected in source scan.

```
?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS:     You may distribute under the terms of either the GNU General Public
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/a_dvisory/multiarch.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/archlib.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_portable.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/startperl.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/perlpath.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/privlib.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Oldsym.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Oldsym.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:06:58  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:13  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit follows the creation of the config.sh file. It adds some
```

```
?X: special symbols: defines from patchlevel.h file if any and PERL_CONFIG_SH,
?X: which is set to true. Then, we try to keep all the new symbols that
?X: may come from a hint
 file or a previous config.sh file.
?X:
?MAKE:Oldsym: Config_sh cat test hint src sed sort uniq perl_patchlevel
?MAKE: -pick add $@ %<
?T:PERL_CONFIG_SH PERL_PATCHLEVEL sym tmp
?F:!UU
: add special variables
$test -f $src/patchlevel.h && \
awk '/^#define[  ]+PERL_/ {printf "%s=%s\n",$2,$3}' $src/patchlevel.h >>config.sh
echo "PERL_PATCHLEVEL='$perl_patchlevel'" >>config.sh
echo "PERL_CONFIG_SH=true" >>config.sh

: propagate old symbols
if $test -f UU/config.sh; then
?X: Make sure each symbol is unique in oldconfig.sh
 <UU/config.sh $sort | $uniq >UU/oldconfig.sh
?X:
?X: All the symbols that appear twice come only from config.sh (hence the
?X: two config.sh in the command line). These symbols will be removed by
?X: the uniq -u command. The oldsyms file thus contains all the symbols
?X: that did not appear in the produced config.sh (Larry Wall).
?X:
?X: Do not touch the -u flag of uniq.  This means you too, Jarkko.
?X:
 $sed -n 's/^\([a-zA-Z_0-9]*\)=.*/\1/p' \
  config.sh config.sh UU/oldconfig.sh
 |\
  $sort | $uniq -u >UU/oldsyms
 set X `$cat UU/oldsyms`
 shift
 case $# in
 0) ;;
 *)
  $cat <<EOM
Hmm...You had some extra variables I don't know about...I'll try to keep 'em...
EOM
  echo ": Variables propagated from previous config.sh file." >>config.sh
  for sym in `$cat UU/oldsyms`; do
   echo "    Propagating $hint variable "'$'"$sym..."
   eval 'tmp="$'"${sym}"'"'
   echo "$tmp" | \
    sed -e "s/'/'\''\''/g" -e "s/^/$sym='/" -e "s/$/'/" >>config.sh
  done
  ;;
 esac
```

```
fi
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Oldsym.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Thomas Neumann <tom@smart.bo.open.de>
?RCS:
?RCS: $Log: Findhdr.U,v $
?RCS: Revision 3.0.1.2  1994/10/29  15:53:08  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  14:03:56  ram
?RCS: patch23: cppminus must be after other cppflags, not before
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:54  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a findhdr script which is used to locate the header
?X: files
 in $usrinc or other stranger places using cpp capabilities. The
?X: script is given an include file base name, like 'stdio.h' or 'sys/file.h'
?X: and it returns the full path of the include file and a zero status or an
?X: empty string with an error status if the file could not be located.
?X:
?MAKE:Findhdr: grep test tr rm +usrinc awk cat startsh \
 cppstdin cppminus +cppflags eunicefix osname
?MAKE: -pick add $@ %<
?LINT:define fieldn
?S:fieldn:
?S: This variable is used internally by Configure. It contains the position
?S: of the included file name in cpp output. That is to say, when cpp
?S: pre-processes a #include <file> line, it replaces it by a # line which
?S: contains the original position in the input file and the full name of
?S: included file, between "quotes".
?S:.
```

```
?V:fieldn
?F:./findhdr !fieldn
?T:cline pos wanted name awkprg cppfilter testaccess status usrincdir
: determine filename position in cpp output
echo " "
echo "Computing filename position in cpp output for #include
 directives..." >&4
echo '#include <stdio.h>' > foo.c
case "$osname" in
vos)
 testaccess=-e
?X: VOS: path component separator is >
 cppfilter="tr '\\\\>' '/' |"
 ;;
*)
 testaccess=-r
 cppfilter="
 ;;
esac
$cat >fieldn <<EOF
$startsh
$cppstdin $cppflags $cppminus <foo.c 2>/dev/null | \
$grep '^[  ]*#.*stdio\.h' | \
while read cline; do
 pos=1
 set \$cline
 while $test \$# -gt 0; do
  if $test $testaccess \`echo \$1 | $tr -d ""\`; then
   echo "\$pos"
   exit 0
  fi
  shift
  pos=\`expr \$pos + 1\`
 done
done
EOF
chmod +x fieldn
fieldn=`./fieldn`
$rm -f foo.c fieldn
case $fieldn in
") pos='???';;
1) pos=first;;
2) pos=second;;
3) pos=third;;
*) pos="${fieldn}th";;
esac
echo "Your cpp writes the filename in the $pos field of the line."
```

```
?X: To locate a header file, we cannot simply check for $usrinc/file.h, since
?X: some machine have the headers in weird places and our only hope is that
?X: the C pre-processor will know how to find those headers. Thank you NexT!
: locate header file
$cat
 >findhdr <<EOF
$startsh
wanted=\$1
name=''
for usrincdir in $usrinc; do
 if test -f \$usrincdir/\$wanted; then
  echo "\$usrincdir/\$wanted"
  exit 0
 fi
done
awkprg='{ print \$$fieldn }'
echo "#include <\$wanted>" > foo\$\$.c
$cppstdin $cppminus $cppflags < foo\$\$.c 2>/dev/null | \
$cppfilter $grep "^[  ]*#.*\$wanted" | \
while read cline; do
 name=\`echo \$cline | $awk "\$awkprg" | $tr -d '"'\`
 case "\$name" in
 *[/\\\\]\$wanted) echo "\$name"; exit 1;;
 *[\\\\/]\$wanted) echo "\$name"; exit 1;;
 *) exit 2;;
 esac
done
?X: status = 0: grep returned 0 lines, case statement not executed
?X: status = 1: headerfile found
?X: status = 2: while loop executed, no headerfile found
status=\$?
$rm -f foo\$\$.c
if test \$status -eq 1; then
 exit 0
fi
exit 1
EOF
chmod +x findhdr
$eunicefix findhdr
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Findhdr.U
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```
?RCS: $Id: so.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: so.U,v $
?RCS: Revision 3.0.1.2  1994/10/29  16:30:04  ram
?RCS: patch36: now tells user how he can suppress shared lib lookup (ADO)
?RCS: patch36: removed echo at the top, since it's now in the here-doc (ADO)
?RCS:
?RCS: Revision 3.0.1.1  1994/06/20  07:07:02  ram
?RCS: patch30: created
?RCS:
?X:
?X: This unit computes the shared-object / shared-lib extension
?X:
?MAKE:so d_libname_unique: test libpth Loc Myread Oldconfig cat Setvar
?MAKE: -pick add $@ %<
?S:so:
?S: This
 variable holds the extension used to identify shared libraries
?S: (also known as shared objects) on the system. Usually set to 'so'.
?S:.
?S:d_libname_unique:
?S: This variable is defined if the target system insists on unique
?S: basenames for shared library files. This is currently true on Android,
?S: false everywhere else we know of.
?S: Defaults to 'undef'.
?S:.
?LINT:set d_libname_unique
?T: xxx
: compute shared library extension
case "$so" in
")
 if xxx=`./loc libc.sl X $libpth`; $test -f "$xxx"; then
  dflt='sl'
 else
  dflt='so'
 fi
 ;;
*) dflt="$so";;
esac
$cat <<EOM

On some systems, shared libraries may be available.  Answer 'none' if
you want to suppress searching of shared libraries for the remainder
```

```
of this configuration.

EOM
rp='What is the file extension used for shared libraries?'
. ./myread
so="$ans"

: Does target system insist that shared library basenames are unique
$cat << EOM

Some dynamic loaders assume that the *basename* of shared library
 filenames
are globally unique.  We'll default this to undef as we assume your system
is not this weird. Set to defined if you're on one of them.

EOM

dflt='n'
rp='Make shared library basenames unique?'
. ./myread
case "$ans" in
y|Y) val="$define" ;;
*)   val="$undef"  ;;
esac
set d_libname_unique
eval $setvar

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/U/modified/so.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: lintlib.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: lintlib.U,v $
?RCS: Revision 3.0  1993/08/18  12:09:05  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:lintlib lintlibexp: Getfile Loc Oldconfig
?MAKE: -pick add $@ %<
```

```
?S:lintlib:
?S: This variable holds the name of the directory in which the user wants
?S: to put public lint-library files for the package in question.  It is
?S: most often a local directory such as /usr/local/lib/lint. Programs using
?S: this variable must be prepared to
 deal with ~name expansion.
?S:.
?S:lintlibexp:
?S: This variable is the same as the lintlib variable, but is filename
?S: expanded at configuration time, for convenient use in your makefiles.
?S:.
: determine where public lint libraries go
case "$lintlib" in
") dflt=`./loc . "." /usr/local/lib/lint /usr/lib/lint /usr/lib`;;
*) dflt="$lintlib" ;;
esac
echo " "
fn=d~
rp='Where do you want to put the public lint libraries?'
. ./getfile
lintlib="$ans"
lintlibexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/lintlib.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_byacc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_byacc.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:31:14  ram
?RCS: patch61: created
?RCS:
?MAKE:d_byacc: byacc Setvar
?MAKE: -pick add $@ %<
?S:d_byacc:
?S: This variable indicates whether byacc is available.
?S: If the user has specified 'portability', then Makefile.SH
```

```
?S: sees $byacc='byacc' whether or not the user actually has
?S: byacc.  This variable allows us to determine in a makefile
?S: if we really
 have byacc.
?S:.
?LINT:set d_byacc
: Check if we really have byacc
case "$byacc" in
"|'byacc') val="$undef" ;;
*) val="$define" ;;
esac
set d_byacc
eval $setvar
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_byacc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extract.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  14:58:52  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  15:51:46  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:52  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a shell script which can be doted in order to extract
?X: .SH files with variable substitutions.
?X:
?X: When running Configure from a remote directory ($src
 is not '.'),
?X: then the files will be created in that directory, so beware!
?X:
?MAKE:Extract: Mkdirp src
```

```
?MAKE: -pick add $@ %<
?F:./extract
?T:CONFIG SRC dir file
: script used to extract .SH files with variable substitutions
cat >extract <<EOS
CONFIG=true
SRC="$src"
EOS
cat >>extract <<'EOS'
echo "Doing variable substitutions on .SH files..."
if test -f "$SRC/MANIFEST"; then
 set x `awk '{print $1}' <$SRC/MANIFEST | grep '\.SH'`
else
 echo "(Looking for .SH files under the source directory.)"
 set x `(cd "$SRC"; find . -name "*.SH" -print)`
fi
shift
case $# in
0) set x `(cd "$SRC"; echo *.SH)`; shift;;
esac
if test ! -f "$SRC/$1"; then
 shift
fi
for file in $*; do
 case "$SRC" in
 ".")
  case "$file" in
  */*)
   dir=`expr X$file : 'X\(.*\)/'`
   file=`expr X$file : 'X.*/\(.*\)'`
   (cd $dir && . ./$file)
   ;;
  *)
   . ./$file
   ;;
  esac
  ;;
 *)
?X:
?X: When running Configure remotely ($src is not '.'), we cannot source
?X: the files directly, since that would wrongly cause
 the extraction
?X: where the source lie instead of withing the current directory. Therefore,
?X: we need to 'sh <file' then, which is okay since they will source the
?X: existing config.sh file. It's not possible to use:
?X:  ../src/Configure -S -O -Dsomething
?X: unfortunately since no new config.sh with the -Dsomething override
?X: will be created before running the .SH files. A minor buglet.
```

```
?X:
?X: Note that we must create the directory hierarchy ourselves if it does
?X: not exist already, and that is done through a shell emulation of the
?X: 'mkdir -p' command. We don't want to use the $installdir metaconfig
?X: symbol here since that would require too much to be configured for
?X: this simple extraction task that may happen quickly with 'Configure -S'.
?X:  -- RAM, 18/03/96
?X:
  case "$file" in
  */*)
   dir=`expr X$file : 'X\(.*\)/'`
   file=`expr X$file : 'X.*/\(.*\)'`
   ./mkdirp $dir
   sh <"$SRC/$dir/$file"
   ;;
  *)
   sh <"$SRC/$file"
   ;;
  esac
  ;;
 esac
done
if
 test -f "$SRC/config_h.SH"; then
 if test ! -f config.h; then
?X: oops, they left it out of MANIFEST, probably, so do it anyway.
  sh <"$SRC/config_h.SH"
 fi
fi
EOS
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Extract.U
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```
?RCS: $Id: mailer.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
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?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: mailer.U,v $
?RCS: Revision 3.0.1.3  1995/01/11  15:32:11  ram
```

```
?RCS: patch45: can now use Loc variables since path stripping is deferred
?RCS:
?RCS: Revision 3.0.1.2  1994/05/06  15:10:04  ram
?RCS: patch23: ensure full path value is used for rmail also
?RCS:
?RCS: Revision 3.0.1.1  1994/01/24  14:14:18  ram
?RCS: patch16: now use _sendmail vars and friends for portability issues
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:10  ram
?RCS: Baseline for dist
 3.0 netwide release.
?RCS:
?MAKE:mailer: test cat rmail mail smail sendmail Getfile Oldconfig
?MAKE: -pick add $@ %<
?S:mailer:
?S: This variable contains the full pathname of a reasonable mailer.
?S: By reasonable, we mean some program which can understand internet
?S: addresses or at least forward them to some internet router. This
?S: mailer should be invoked as "mailer [options] recipients <mail".
?S:.
: determine the name of a reasonable mailer
case "$mailer" in
")
 if $test -f "$sendmail"; then
  dflt="$sendmail"
 elif $test -f "$smail"; then
  dflt="$smail"
 elif $test -f "$rmail"; then
  dflt="$rmail"
 elif $test -f /bin/mail; then
  dflt=/bin/mail
 else
  dflt=$mail
 fi
 ;;
*)  dflt="$mailer";;
esac
$cat <<EOM

I need the full pathname of the program used to deliver mail on your system.
A typical answer would be /usr/lib/sendmail or /bin/rmail, but you may choose
any other program, as long as it can be fed from standard input and will
honour any user-supplied headers.

EOM
fn=f
rp='Mail
```

```
 transport agent to be used?'
. ./getfile
mailer="$ans"
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/mailer.U
No license file was found, but licenses were detected in source scan.

```
/*
* $Id: getopt.C,v 3.0.1.1 1994/01/24 13:58:40 ram Exp ram $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* Original Author: unknown, got this off net.sources
*
* $Log: getopt.C,v $
* Revision 3.0.1.1  1994/01/24  13:58:40  ram
* patch16: created
*
*/
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/C/fake/getopt.C
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: package.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
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?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: package.U,v $
?RCS: Revision 3.0.1.3  1994/10/29  16:27:21  ram
?RCS: patch36: beware of non-ascii character sets when translating case
?RCS:
?RCS: Revision 3.0.1.2  1993/11/10  17:37:02  ram
```

```
?RCS: patch14: skip definition of spackage if not otherwise used
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:11:10  ram
?RCS: patch10: added spackage, suitable for starting sentences
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:28  ram
?RCS: Baseline for dist 3.0
 netwide release.
?RCS:
?MAKE:package spackage: Nothing
?MAKE: -pick wipe $@ %<
?S:package:
?S: This variable contains the name of the package being constructed.
?S: It is primarily intended for the use of later Configure units.
?S:.
?S:spackage:
?S: This variable contains the name of the package being constructed,
?S: with the first letter uppercased, i.e. suitable for starting
?S: sentences.
?S:.
?X: dist-4 has defined PACKAGE: here, which clashes with perly.h
?X:  as package is a reserved keyword in perl
?T:first last
: set package name
package='<PACKAGENAME>'
@if spackage
first=`echo $package | sed -e 's/^\(.\).*/\1/'`
last=`echo $package | sed -e 's/^.\(.*\)/\1/'`
?X:
?X: So early in the Configure script, we don't have ./tr set up and can't
?X: include Tr in our dependency or that would create a cycle. Therefore,
?X: we have to somehow duplicate the work done in Tr. That's life.
?X:
case "`echo AbyZ | tr '[:lower:]' '[:upper:]' 2>/dev/null`"-"`echo AbyZ | tr '[:upper:]' '[:lower:]'
 2>/dev/null`" in
ABYZ-abyz) spackage=`echo $first | tr '[:lower:]' '[:upper:]'`$last;;
*) spackage=`echo $first | tr '[a-z]' '[A-Z]'`$last;;
esac
@end
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/package.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: packadmin.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?MAKE:packadmin: cf_email Oldconfig Myread cat spackage package
?MAKE: -pick add $@ %<
?Y:TOP
?S:packadmin:
?S: Electronic mail address of the package administrator.
?S:.
: check wehther they will act as local admin for the package
$cat <<EOM

If you or somebody else will be maintaining $package at your site, please
fill in the correct e-mail address here so that they may be contacted
if necessary.  You may enter "none"
 for no administrator.

EOM
case "$packadmin" in
") dflt="$cf_email";;
*) dflt="$packadmin";;
esac
rp="$spackage administrator e-mail address"
. ./myread
packadmin="$ans"
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/packadmin.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: cf_who.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  15:28:50  ram
```

```
?RCS: patch61: new computation method avoiding use of temporary file
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  14:42:34  ram
?RCS: patch23: login name now computed the hard way
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:32  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: Oldconfig dependency is there to ensure computation occurs after old values
?X: from config.sh have been loaded, so that we can supersede them.
?X:
?MAKE:cf_time
 cf_by: date Oldconfig
?MAKE: -pick add $@ %<
?S:cf_time:
?S: Holds the output of the "date" command when the configuration file was
?S: produced. This is used to tag both config.sh and config_h.SH.
?S:.
?S:cf_by:
?S: Login name of the person who ran the Configure script and answered the
?S: questions. This is used to tag both config.sh and config_h.SH.
?S:.
?LINT:change LC_ALL LANGUAGE
: who configured the system
?X: Ensure English date -- Jarkko Hietaniemi
cf_time=`LC_ALL=C; LANGUAGE=C; export LC_ALL; export LANGUAGE; $date 2>&1`
?X:
?X: Leave a white space between first two '(' for ksh. The sub-shell is needed
?X: on some machines to avoid the error message when logname is not found; e.g.
?X: on SUN-OS 3.2, (logname || whoami) would not execute whoami if logname was
?X: not found. Sigh!
?X:
?X: Convex had a broken logname executable which returned a non-zero status,
?X: and that broke the previous:
?X:   cf_by=`( (logname) 2>/dev/null || whoami) 2>&1`
?X: Switch to emergency
 mode... -- RAM, 19/04/94
?X:
?X: Parentheses needed to avoid error message if the program does not exist.
?X: Uses case instead of $test so it can be put before $test is defined.
?X: Don't redirect to a file because on Ultrix (under script?) logname
?X: outputs a blank line first.  This method will apparently work.
case "$cf_by" in
"")
 cf_by=`(logname) 2>/dev/null`
 case "$cf_by" in
 "")
```

```
  cf_by=`(whoami) 2>/dev/null`
  case "$cf_by" in
  "") cf_by=unknown ;;
  esac ;;
 esac ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/cf_who.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: sitescript.U,v $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: sitescript.U,v $
?RCS:
?MAKE:sitescript sitescriptexp installsitescript : Getfile Oldconfig test \
 Setprefixvar sitebin siteprefix
?MAKE: -pick add $@ %<
?Y:TOP
?D:sitescript="
?S:sitescript:
?S: This variable holds the name of the directory in which the user wants
?S: to put add-on publicly executable files for the package in question.  It
?S: is most often a local directory such as /usr/local/bin. Programs using
?S: this variable must be prepared to deal with ~name substitution.
?S: The standard
 distribution will put nothing in this directory.
?S: After perl has been installed, users may install their own local
?S: scripts in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:sitescriptexp="
?S:sitescriptexp:
?S: This is the same as the sitescript variable, but is filename expanded at
?S: configuration time, for use in your makefiles.
?S:.
?D:installsitescript="
?S:installsitescript:
```

```
?S: This variable is usually the same as sitescriptexp, unless you are on
?S: a system running AFS, in which case they may differ slightly. You
?S: should always use this variable within your makefiles for portability.
?S:.
?LINT:change prefixvar
?LINT:set installsitescript
?LINT:set sitescript
?LINT:set sitescriptexp
: determine where add-on public executable scripts go
case "$sitescript" in
") dflt=$siteprefix/script
 $test -d $dflt || dflt=$sitebin ;;
*)  dflt="$sitescript" ;;
esac
fn=d~+
rp='Pathname where add-on public executable scripts
 should be installed?'
. ./getfile
prefixvar=sitescript
. ./setprefixvar
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/sitescript.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:siteman3dir siteman3direxp installsiteman3dir: Getfile \
 Setprefixvar prefix siteprefix man3dir sed
?MAKE: -pick add $@ %<
?Y:TOP
?D:siteman3dir=''
?S:siteman3dir:
?S: This variable contains the name of the directory in which site-specific
?S: library man source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S: The standard distribution will put nothing in this directory.
?S: After
```

```
 perl has been installed, users may install their own local
?S: man3 pages in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:siteman3direxp="
?S:siteman3direxp:
?S: This variable is the same as the siteman3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installsiteman3dir="
?S:installsiteman3dir:
?S: This variable is really the same as siteman3direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man3direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installsiteman3dir
?LINT:set siteman3dir
?LINT:set siteman3direxp
: determine where add-on library man pages go
case "$siteman3dir" in
") dflt=`echo $man3dir | $sed "s#^$prefix#$siteprefix#"` ;;
*) dflt=$siteman3dir ;;
esac
case "$dflt" in
"|' ') dflt=none ;;
esac
fn=dn+~
rp='Pathname
 where the site-specific library manual pages should be installed?'
. ./getfile
prefixvar=siteman3dir
. ./setprefixvar
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/siteman3dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
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?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: patchlevel.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:18:41  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:31  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:patchlevel: package baserev test rsrc
?MAKE: -pick add $@ %<
?T:Revision
?S:patchlevel:
?S: The patchlevel level of this package.
?S: The value of patchlevel comes from the patchlevel.h file.
?S:.
: get the patchlevel
echo " "
echo "Getting the current patchlevel..." >&4
if $test -r
 $rsrc/patchlevel.h;then
 patchlevel=`awk \
  '/^#[  ]*define[  ][  ]*PATCHLEVEL/ {print $3}' \
  < $rsrc/patchlevel.h`
else
 patchlevel=0
fi
echo "(You have $package $baserev PL$patchlevel.)"
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/patchlevel.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: cf_email.U,v $
?RCS: Revision 3.0.1.1  1994/01/24  14:05:06  ram
?RCS: patch16: created
```

```
?RCS:
?RCS:
?MAKE:cf_email: cat cf_by test myhostname mydomain Oldconfig Myread
?MAKE: -pick add $@ %<
?S:cf_email:
?S: Electronic mail address of the person who ran Configure. This can be
?S: used by units that require the user's e-mail, like MailList.U.
?S:.
?T:cont maildomain
?LINT:extern MAILDOMAIN
: determine the e-mail address of the user who is running us
$cat <<EOM

I need to get your e-mail address
 in Internet format if possible, i.e.
something like user@host.domain. Please answer accurately since I have
no easy means to double check it. The default value provided below
is most probably close to reality but may not be valid from outside
your organization...

EOM
cont=x
while test "$cont"; do
 case "$MAILDOMAIN" in
 ")
  if $test -s /etc/mailname; then
   maildomain=`$cat /etc/mailname`
  else
   maildomain="$myhostname$mydomain"
  fi
  ;;
 *)  maildomain="$MAILDOMAIN";;
 esac
 case "$cf_email" in
 ") dflt="$cf_by@$maildomain";;
 *)  dflt="$cf_email";;
 esac
 rp='What is your e-mail address?'
 . ./myread
 cf_email="$ans"
 case "$cf_email" in
 *@*.*) cont=" ;;
 *)
  rp='Address does not look like an Internet one.  Use it anyway?'
  case "$fastread" in
  yes) dflt=y ;;
  *) dflt=n ;;
  esac
```

```
  . ./myread
  case "$ans" in
  y*) cont=" ;;
  *) echo " " ;;
  esac
  ;;
 esac
done
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/cf_email.U
No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_nextafter.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_setnetent_r.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_syssyscall.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_sysutsname.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_endgrent_r.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_asctime_r.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_getnetbyname_r.U
*
 /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_getprotobynumber_r.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_stdbool.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_pthrattrj.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/a_dvisory/quadtype.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_nearbyint.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_strlcat.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_getgrent_r.U
*

/opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_isnanl.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_copysignl.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/use64bits.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_strtouq.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/infnan.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_towlower.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_quadmath.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_ttyname_r.U
*
/opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_memrchr.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/acl/d_accessx.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_frexpl.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_fma.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_fmax.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_setenv.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/useperlio.U
*
/opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_getservbyport_r.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_futimes.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_nan.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_rint.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_sitecustomize.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_trunc.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_endprotoent_r.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_fegetround.U

*
/opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_isless.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_off64_t.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_asinh.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_gethostbyname_r.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_srandom_r.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_round.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_fpclass.U
*
/opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_sysstatfs.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/usequadmath.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_gmtime_r.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_strlcpy.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_crypt_r.U
*
/opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_fpclassl.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_truncl.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/usedefaultstrict.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/uidf.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: etc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: etc.U,v $
?RCS: Revision 3.0  1993/08/18  12:08:07  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:etc etcexp: Getfile Loc Oldconfig
?MAKE: -pick add $@ %<
?S:etc:
?S: This variable holds the name of the directory in which the user wants
?S: to put "administrative" executable images for the package in question.
?S: It is most often a local directory such as /usr/local/etc. Programs
```

```
?S: relying on this variable must be prepared to deal with
 ~name
?S: substitutions.
?S:.
?S:etcexp:
?S: This is the same as the etc variable, but is filename expanded at
?S: configuration time, for convenient use in makefiles.
?S:.
: determine where administrative executables go
case "$etc" in
")
 dflt=`./loc . /local/etc /usr/local/etc /local/etc /usr/etc /etc`
 ;;
*)
 dflt="$etc"
 ;;
esac
fn=d~
rp='Where should the administrative executables go?'
. ./getfile
etc="$ans"
etcexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/etc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorprefix.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: vendorprefix.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:usevendorprefix vendorprefix vendorprefixexp +oldvendorprefix: \
 Getfile Loc Oldconfig cat prefix Myread
?MAKE: -pick add $@ %<
?S:usevendorprefix:
?S: This variable tells whether the vendorprefix
?S: and consequently other vendor* paths are in use.
```

```
?S:.
?S:vendorprefix:
?S: This variable holds the full absolute path of the directory below
?S: which
 the vendor will install add-on packages.
?S: See INSTALL for usage and examples.
?S:.
?S:vendorprefixexp:
?S: This variable holds the full absolute path of the directory below
?S: which the vendor will install add-on packages.  Derived from vendorprefix.
?S:.
?S:oldvendorprefix:
?S: This variable is set non-null if the vendorprefix was previously defined
?S: and gets set to a new value. Used internally by Configure only.
?S:.
: Set the vendorprefix variables
$cat <<EOM

The installation process will also create a directory for
vendor-supplied add-ons.  Vendors who supply perl with their system
may find it convenient to place all vendor-supplied files in this
directory rather than in the main distribution directory.  This will
ease upgrades between binary-compatible maintenance versions of perl.

Of course you may also use these directories in whatever way you see
fit.  For example, you might use them to access modules shared over a
company-wide network.

The default answer should be
 fine for most people.
This causes further questions about vendor add-ons to be skipped
and no vendor-specific directories will be configured for perl.

EOM
rp='Do you want to configure vendor-specific add-on directories?'
case "$usevendorprefix" in
define|true|[yY]*) dflt=y ;;
*) : User may have set vendorprefix directly on Configure command line.
 case "$vendorprefix" in
 "|' ') dflt=n ;;
 *) dflt=y ;;
 esac
 ;;
esac
. ./myread
case "$ans" in
[yY]*) fn=d~+
 rp='Installation prefix to use for vendor-supplied add-ons?'
```

```
 case "$vendorprefix" in
 ") dflt="$prefix" ;;
 *)  dflt=$vendorprefix ;;
 esac
 . ./getfile
 : XXX Prefixit unit does not yet support siteprefix and vendorprefix
 oldvendorprefix="
 case "$vendorprefix" in
 ") ;;
 *) case "$ans" in
  "$prefix") ;;
  *) oldvendorprefix="$prefix";;
  esac
  ;;
 esac
 usevendorprefix="$define"
 vendorprefix="$ans"
 vendorprefixexp="$ansexp"
 ;;
*) usevendorprefix="$undef"
 vendorprefix="
 vendorprefixexp="
 ;;
esac
```

Found in path(s):
*
 /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorprefix.U
No license file was found, but licenses were detected in source scan.

```
# $Id: makedepend.sh,v 3.0.1.1 1994/01/24 14:00:05 ram Exp ram $
#
#  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
#  You may redistribute only under the terms of the Artistic Licence,
#  as specified in the README file that comes with the distribution.
#  You may reuse parts of this distribution only within the terms of
#  that same Artistic Licence; a copy of which may be found at the root
#  of the source tree for dist 4.0.
#
# Original Author: Larry Wall <lwall@netlabs.com>
#
# $Log: makedepend.sh,v $
# Revision 3.0.1.1  1994/01/24  14:00:05  ram
# patch16: changed top ln-style config.sh lookup into test-style one
#
# Revision 3.0  1993/08/18  12:04:37  ram
```

Baseline for dist 3.0 netwide release.
#

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/makedepend.SH
No license file was found, but licenses were detected in source scan.

```
/* This file was produced by running the config_h.SH script, which
* gets its values from $CONFIG_SH, which is generally produced by
* running Configure.
*
* Feel free to modify any of this as the need arises.  Note, however,
* that running config_h.SH again will wipe out any changes you've made.
* For a more permanent change edit $CONFIG_SH and rerun config_h.SH.
*/
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Config_h.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Compile.U,v $
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS:
?X:
?X: This unit is just a quick shorthand for the compile command
?X: to be used in all the other metaconfig units.
?X:
?MAKE:Compile: +cc +optimize +ccflags +ldflags +libs test
?MAKE: -pick wipe $@ %<
?LINT:extern usedevel maintloc
?LINT:define compile compile_ok
?V:compile compile_ok mc_file
?S:compile:
?S: This shell variable is used internally by Configure to provide
?S: a convenient shorthand for the typical compile command, namely
?S: $cc $optimize $ccflags $ldflags -o $1 $1.c $libs > /dev/null 2>&1
?S: Note that the output filename does _not_ include the _exe
?S: extension.  Instead we assume that the linker will be
?S: "helpful" and automatically appending the correct suffix.
?S: OS/2
```

```
 users will apparently need to supply the -Zexe flag to
?S: get this behavior.
?S:
?S: To use this variable, say something like:
?S:  echo 'int main() { exit(0); }' > try.c
?S:  set try
?S:  if eval $compile; then
?S:   echo "success"   # and do whatever . . .
?S:  else
?S:   echo "failure"   # and do whatever . . .
?S:  fi
?S: To add extra flags cc flags (e.g. -DWHATEVER) just put them
?S: in $*, e.g.
?S:  set try -DTRY_THIS_FLAG
?S:.
?S:compile_ok:
?S: This shell variable is used internally by Configure to provide
?S: a convenient shorthand for the typical compile command that you
?S: expect to work ok.  It is the same as $compile, except we
?S: deliberately let the user see any error messages.
?S:.
: define a shorthand compile call
compile='
mc_file=$1;
shift;
case "$usedevel" in $define|true|[yY]*) if $test ! -f "${mc_file}.c"; then
echo "Internal Configure script bug - compiler test file ${mc_file}.c is missing. Please report this to <$maintloc>"
>&4;
exit 1;
fi;
esac;
$cc
 -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs > /dev/null 2>&1;'
: define a shorthand compile call for compilations that should be ok.
compile_ok='
mc_file=$1;
shift;
$cc -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs > /dev/null 2>&1;'
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/Compile.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: afs.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: afs.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  15:23:06  ram
?RCS: patch61: can now explicitly tell Configure whether AFS is running
?RCS:
?RCS: Revision 3.0.1.1  1993/08/24  12:24:43  ram
?RCS: patch3: created
?RCS:
?MAKE:afs afsroot: test
?MAKE: -pick add $@ %<
?S:afs:
?S: This variable is set to 'true' if AFS (Andrew File System) is used
?S: on the system, 'false' otherwise.  It is possible to override this
?S: with a hint value or command line option,
 but you'd better know
?S: what you are doing.
?S:.
?S:afsroot:
?S: This variable is by default set to '/afs'. In the unlikely case
?S: this is not the correct root, it is possible to override this with
?S: a hint value or command line option.  This will be used in subsequent
?S: tests for AFSness in the configure and test process.
?S:.
: allow them to override the AFS root
case "$afsroot" in
") afsroot=/afs ;;
*) afsroot=$afsroot ;;
esac

: is AFS running?
echo " "
case "$afs" in
$define|true) afs=true ;;
$undef|false) afs=false ;;
*) if $test -d $afsroot; then
  afs=true
 else
  afs=false
 fi
 ;;
esac
if $afs; then
 echo "AFS may be running... I'll be extra cautious then..." >&4
```

```
else
 echo "AFS does not seem to be running..." >&4
fi
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/afs.U
No license file was found, but licenses were detected in source scan.

```
# Yes, you may rip this off to use in other distribution packages. This
# script belongs to the public domain and cannot be copyrighted.
#
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Head.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Head.U
No license file was found, but licenses were detected in source scan.

Perl5 Metaconfig Units

Copyright (c) 1996-1998, Andy Dougherty
Copyright (c) 1999-2011, H.Merijn Brand
All rights reserved.

These units are the ones used to build Configure and config_h.SH
in the Perl5 distribution.

metaconfig will first look in its standard locations (specified when you
installed dist). It will then recurse through the 'U' subdirectory
and find any additional "private" units. Private units override
standard ones supplied with metaconfig.

Files in this directory:

README
This file.

Glossary.patch
The standard dist units contain some strings that make pod2man
complain. This patch silences those warnings. As new units are
added and Configure is regenerated, this patch may need more and more
'fuzz' to be applied. It should be freshly regenerated every once
in a while. See also mkgloss.pl

ln-all.pl
Re-generate the all/ folder

mkglossary
A script
to regenerate Porting/Glossary. You have to manually
edit the top of the script to point the location of your metaconfig
units. It is called automatically by 'mksample'. See also mkgloss.pl

mkgloss.pl
A perl script that calls U/mkglossary from the perl source tree, sorts
the list of symbols, and applies the patch mentioned in Glossary.patch.
When called on its own, redirect the output to a temporary file, and
compare that file to Porting/Glossary before applying.

mksample
A script to regenerate Porting/config.sh and Porting/config.H.
It also calls mkglossary, if necessary.

Subdirectories:

The units and other related files have been broken up into the following
directories.

a_dvisory/
These are units that have to go first in the generated config_h.SH.
A word of explanation: Configure and config_h.SH are generated from 'Units'
(the *.U files). Files indicate dependencies (using make(1)), and
Configure is built to follow those dependencies.
However, config_h.SH
is simply built by putting all the units in alphabetical order and
extracting the relevant lines. (This could be fixed, I suppose, but
it wasn't trivial the one time I looked.)
The a_dvisory/ directory, then, is a place to put units that need
to be early in config_h.SH. (Most units are self-contained
and ought to be able to go anywhere. However, some things, like
byteorder, need to have the #defines from multiarch available.)

acl/
This is an old patch to begin to detect and use ACL (access
control list) file protection schemes.

all/
A folder that conveniently holds symbolic links to all the modules
that are used to build the current Configure and config_h.SH.

compline/
These are similar to the standard units, but I have modified them
to have a more uniform compile command line, usually using the
new Compile.U unit. (The ccflags.U unit is perl-specific since it

mentions -DDEBUGGING and
-DPOSIX_SOURCE, but that's the only place
it is perl-specific.)

dist_patches/
These are patches to dist that must be applied before it is built
and installed. I have submitted these for inclusion in the
regular dist distribution. They have already been applied
to the ../dist-3.0at70b directory.

ebcdic/
These are units that had to be specially modified to work under
either EBCDIC or ASCII.

installdirs/
These are units to handle perl's installation directories and
related issues.

modified/
These are modified versions of the standard units. Also included in
this directory are new units that are clearly derived from existing
units. I have submitted these for inclusion in the regular dist
distribution.

nullified/
These are null units that replace units in the standard
distribution. Typically they are there because some part of the
perl source accidentally uses a symbol that metaconfig thinks means we
want the corresponding
unit.

perl/
These are specific to perl. Some are heavily derived from
original dist units, and are marked as such. Others are original.

perl_patches/
These are patches to the perl source. This directory
should ordinarily be empty, but there may have been drift between
the standard version of perl and the one associated with these
units.

protos/
These are units modified to use the new Hasproto.U or Protochk.U
units to check for prototypes.

threads/
These are specific to threading perl.

typedefs/

These are standard units modified to use the modified Typedef.U unit to check for typedefs. (The modified Typdef.U includes a function to avoid unnecessary prompts if the typdef being searched for exists.)

Where appropriate, I submitted these units for inclusion into the regular dist distribution. However, since dist is no longer actively maintained, and the alternative is for *me* to actively maintain it, the units just
sit here.

Copyright Information:

Unless otherwise indicated, the files contained in this distribution are:

Copyright (c) 1996-1998, Andy Dougherty

The following licensing terms apply to all files contained in this distribution:

You may distribute the files contained in this distribution under the terms of either

a) the "Artistic License" which comes with Perl, or

b) the "Artistic License" which comes with dist, or

c) the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version (see the file "Copying" that comes with the Perl distribution).

Which one to use is your choice.

The units in the "modified" directory have been derived from units associated with the metaconfig program of Raphael Manfredi's "dist" distribution. These units list Raphael Manfredi as the Copyright holder. dist is distributed under a modified version of the Perl Artistic License. Clause 7 of this modified
license as contained in dist-3.0-pl60 provides:

7. You may reuse parts of this Package in your own programs, provided that you explicitly state where you got them from, in the source code (and, left to your courtesy, in the documentation), duplicating all the associated copyright notices and disclaimers. Besides

your changes, if any, must be clearly marked as such. Parts reused
that way will no longer fall under this license if, and only if,
the name of your program(s) have no immediate connection with the
name of the Package itself or its associated programs. You may then
apply whatever restrictions you wish on the reused parts or choose
to place them in the Public Domain--this will apply only within the
context of your package.

In accordance with this clause, the versions of these units
contained here are made available under the same terms as the
rest of the units.

If you have any questions about the use of these units or about
the differences
between these units and the standard versions, please
feel free to ask.

Andy Dougherty doughera@lafayette.edu
Dept. of Physics
Lafayette College
Easton, PA 18042-1782

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/README
No license file was found, but licenses were detected in source scan.

/* $Id: Jmake.rules 18 2006-12-27 10:35:09Z rmanfredi $
*
* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
* You may redistribute only under the terms of the Artistic Licence,
* as specified in the README file that comes with the distribution.
* You may reuse parts of this distribution only within the terms of
* that same Artistic Licence; a copy of which may be found at the root
* of the source tree for dist 4.0.
*
* $Log: Jmake.rules,v $
* Revision 3.0.1.7 2004/08/22 08:28:58 ram
* patch71: random cleanup
*
* Revision 3.0.1.6 1997/02/28 14:56:01 ram
* patch61: now handles USRINC for dependencies
* patch61: smarter about dependencies computation
*
* Revision 3.0.1.5 1995/09/25 09:07:19 ram
* patch59: smarter sed command to strip /usr/include dependencies
*

```
* Revision 3.0.1.4  1995/07/25  13:33:59  ram
* patch56: install of script man pages can now cope with missing files
* patch56: the clobber
 target now removes the .config directory as well
*
* Revision 3.0.1.3  1995/03/21  08:35:28  ram
* patch52: suppressed extra argument to NormalProgramTarget call
*
* Revision 3.0.1.2  1995/01/11  14:49:55  ram
* patch45: new macros ShellScriptTargetExt and SimpleShellScriptTargetExt
* patch45: directory installation is now made via INSTALLDIR (Configure)
*
* Revision 3.0.1.1  1994/10/29  15:46:30  ram
* patch36: added RemoteDependency rule
*
* Revision 3.0  1993/08/18  12:04:14  ram
* Baseline for dist 3.0 netwide release.
*
*/
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/files/Jmake.rules
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: mansrc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: mansrc.U,v $
?RCS: Revision 3.0.1.9  1997/02/28  16:12:03  ram
?RCS: patch61: don't ask for AFS when they choose to not install pages
?RCS:
?RCS: Revision 3.0.1.8  1995/09/25  09:16:58  ram
?RCS: patch59: unit is now forced to the top of Configure, if possible
?RCS:
?RCS: Revision 3.0.1.7  1995/02/15  14:15:31  ram
?RCS: patch51: was mistakenly duplicating /usr/local/man/man1 (ADO)
?RCS: patch51: added /opt/man/man1 to the lookpath (ADO)
?RCS:
?RCS: Revision
```

```
 3.0.1.6  1995/01/30  14:39:34  ram
?RCS: patch49: can now handle installation prefix changes (from WED)
?RCS:
?RCS: Revision 3.0.1.5  1995/01/11  15:32:25  ram
?RCS: patch45: can now use Loc variables since path stripping is deferred
?RCS:
?RCS: Revision 3.0.1.4  1994/08/29  16:30:38  ram
?RCS: patch32: now uses installation prefix for default setting
?RCS:
?RCS: Revision 3.0.1.3  1994/05/06  15:11:10  ram
?RCS: patch23: added lint hint, assuring that nroff is used
?RCS:
?RCS: Revision 3.0.1.2  1994/01/24  14:14:39  ram
?RCS: patch16: now uses _nroff in case user asked for portability
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:09:31  ram
?RCS: patch10: allows for L1 man page extension (WAD)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:14  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:mansrc mansrcexp manext installmansrc: afs cat nroff Loc Oldconfig \
 sysman spackage test Getfile Prefixit prefixexp Prefixup
?MAKE: -pick add $@ %<
?Y:TOP
?S:mansrc:
?S: This variable
 contains the name of the directory in which manual
?S: source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?S:mansrcexp:
?S: This variable is the same as the mansrc variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?S:installmansrc:
?S: This variable is really the same as mansrcexp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: mansrcexp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:manext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '1'.  The Makefile must supply the '.'.
?S: See mansrc.
?S:.
?T:lookpath
```

```
: determine where manual pages go
set mansrc mansrc none
eval $prefixit
$cat <<EOM

$spackage has manual
 pages available in source form.
EOM
case "$nroff" in
nroff)
 echo "However, you don't have nroff, so they're probably useless to you."
 case "$mansrc" in
 ") mansrc="none";;
 esac;;
esac
echo "If you don't want the manual sources installed, answer 'none'."
case "$mansrc" in
")
 lookpath="$prefixexp/share/man/man1 $prefixexp/man/man1"
 lookpath="$lookpath $prefixexp/man/u_man/man1 $prefixexp/man/l_man/man1"
 lookpath="$lookpath /usr/local/man/man1 /opt/man/man1 /usr/man/manl"
 lookpath="$lookpath /usr/share/man/man1 /usr/local/share/man/man1"
 lookpath="$lookpath /usr/man/local/man1 /usr/man/l_man/man1"
 lookpath="$lookpath /usr/local/man/u_man/man1 /usr/local/man/l_man/man1"
 lookpath="$lookpath /usr/man/man.L"
 mansrc=`./loc . $prefixexp/man/man1 $lookpath`
 if $test -d "$mansrc"; then
  dflt="$mansrc"
 else
  dflt="$sysman"
 fi
 set dflt
 eval $prefixup
 ;;
' ') dflt=none;;
*)  dflt="$mansrc"
 ;;
esac
echo " "
fn=dn~
rp='Where do the manual pages (source) go?'
. ./getfile
if test
 "X$mansrcexp" != "X$ansexp"; then
 installmansrc="
fi
mansrc="$ans"
mansrcexp="$ansexp"
```

```
case "$mansrc" in
") mansrc=' '
 installmansrc=";;
esac
if $afs && $test "$mansrc"; then
 $cat <<EOM

Since you are running AFS, I need to distinguish the directory in which
manual pages reside from the directory in which they are installed (and from
which they are presumably copied to the former directory by occult means).

EOM
 case "$installmansrc" in
 ") dflt=`echo $mansrcexp | sed 's#^/afs/#/afs/.#'`;;
 *) dflt="$installmansrc";;
 esac
 fn=de~
 rp='Where will man pages be installed?'
 . ./getfile
 installmansrc="$ans"
else
 installmansrc="$mansrcexp"
fi

case "$mansrc" in
' ') manext='0';;
*l) manext=l;;
*n) manext=n;;
*o) manext=l;;
*p) manext=n;;
*C) manext=C;;
*L) manext=L;;
*L1) manext=L1;;
*) manext=1;;
esac

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/mansrc.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: n.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: n.U,v $
?RCS: Revision 3.0  1993/08/18  12:09:19  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:n c: contains
?MAKE: -pick add $@ %<
?S:n:
?S: This variable contains the -n flag if that is what causes the echo
?S: command to suppress newline.  Otherwise it is null.  Correct usage is
?S:     $echo $n "prompt for a question: $c".
?S:.
?S:c:
?S: This variable contains the \c string if that is what causes the echo
?S: command to suppress newline.
  Otherwise it is null.  Correct usage is
?S:     $echo $n "prompt for a question: $c".
?S:.
: first determine how to suppress newline on echo command
echo " "
echo "Checking echo to see how to suppress newlines..."
(echo "hi there\c" ; echo " ") >.echotmp
if $contains c .echotmp >/dev/null 2>&1 ; then
 echo "...using -n."
 n='-n'
 c=''
else
 cat <<'EOM'
...using \c
EOM
 n=''
 c='\c'
fi
echo $n "The star should be here-->$c"
echo '*'
rm -f .echotmp
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/n.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: cf_name.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
```

```
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: cf_name.U,v $
?RCS: Revision 3.0.1.2  1994/05/06  14:29:36  ram
?RCS: patch23: fixed user name computation from /etc/passwd in bsd systems
?RCS:
?RCS: Revision 3.0.1.1  1994/01/24  14:05:11  ram
?RCS: patch16: created
?RCS:
?RCS:
?MAKE:+cf_name: cf_by passcat Filexp nametype cat test
?MAKE: -pick add $@ %<
?S:cf_name:
?S: Full name of the person who ran the Configure script and
 answered the
?S: questions. This can be used by units that require the user's full name.
?S: This variable is for internal use only.
?S:.
?T:xxx fn NAME
: figure out their full name
case "$NAME" in
") case "$nametype" in
 other)
  fn=`./filexp ~/.fullname`
  xxx=usg
  $test -f $fn && xxx=other
  ;;
 *)
  xxx="$nametype"
  ;;
 esac

 case "$xxx" in
 bsd)
  cf_name=`$passcat | grep "^$cf_by:" | \
   sed -e 's/^[^:]*:[^:]*:[^:]*:[^:]*:\([^:]*\):.*/\1/' \
   -e 's/,.*//'`
  ;;
   usg)
  cf_name=`$passcat | grep "^$cf_by:" | \
   sed -e 's/^[^:]*:[^:]*:[^:]*:[^:]*:\([^:]*\):.*/\1/' \
   -e 's/[^-]*-\(.*\)(.*)/\1/'`
```

```
  ;;
 *)
  cf_name=`$cat $fn`
  ;;
 esac
 ;;
*)
 cf_name="$NAME"
 ;;
esac
?X:
?X: In the original unit, Graham asked for the user name, in case the above
?X: code was unable to figure it out correctly. Since now cf_name has been
?X: made an internal variable only (i.e. it is not saved in config.sh), letting
?X: the user override the computed default each time would be a pain.
?X:
 Therefore, I have decided to trust the above code to get it right, and for
?X: those rare cases where it will fail, too bad :-) --RAM.
?X:
echo " "
echo "Pleased to meet you, $cf_name."
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/cf_name.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: orderlib.U,v $
?RCS: Revision 3.0.1.4  1997/02/28  16:18:18  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS: patch61: likewise for .o replaced by $_o
?RCS: patch61: now uses the ar located by Loc.U
?RCS:
?RCS: Revision 3.0.1.3  1995/01/11  15:33:04  ram
?RCS: patch45: allows hint files to specify their own value for 'ranlib'
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  16:26:48  ram
?RCS: patch36: now performs a real small compile for accurate checks (ADO)
```

```
?RCS:
?RCS: Revision 3.0.1.1
  1994/08/29  16:31:17  ram
?RCS: patch32: use cc variable instead of hardwired 'cc' in 1st compile
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:26  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:orderlib ranlib: Loc ar cat test rm +cc +ccflags +ldflags +libs _a _o
?MAKE: -pick add $@ %<
?S:orderlib:
?S: This variable is "true" if the components of libraries must be ordered
?S: (with `lorder $* | tsort`) before placing them in an archive.  Set to
?S: "false" if ranlib or ar can generate random libraries.
?S:.
?S:ranlib:
?S: This variable is set to the pathname of the ranlib program, if it is
?S: needed to generate random libraries.  Set to ":" if ar can generate
?S: random libraries or if random libraries are not supported
?S:.
?F:!foobar
: see if ar generates random libraries by itself
echo " "
echo "Checking how to generate random libraries on your machine..." >&4
?X: Some systems (like MIPS) complain when running ar... Others like Ultrix
?X: need an explicit 'ar ts'
 to add the table of contents.
?X: Still others like Linux run ar ts successfully, but still need ranlib.
?X: This set of tests seems the minimum necessary to check out Linux.
?X: We need to explicitly put the entries in out-of-order so that Sun's ld
?X: will fail.  (Otherwise it complains, but gives an exit status of 0.)
echo 'int bar1() { return bar2(); }' > bar1.c
echo 'int bar2() { return 2; }' > bar2.c
$cat > foo.c <<'EOP'
int main() { printf("%d\n", bar1()); exit(0); }
EOP
$cc $ccflags -c bar1.c >/dev/null 2>&1
$cc $ccflags -c bar2.c >/dev/null 2>&1
$cc $ccflags -c foo.c >/dev/null 2>&1
$ar rc bar$_a bar2$_o bar1$_o >/dev/null 2>&1
if $cc $ccflags $ldflags -o foobar foo$_o bar$_a $libs > /dev/null 2>&1 &&
 ./foobar >/dev/null 2>&1; then
 echo "ar appears to generate random libraries itself."
 orderlib=false
 ranlib=":"
elif $ar ts bar$_a >/dev/null 2>&1 &&
 $cc $ccflags $ldflags -o foobar foo$_o bar$_a $libs > /dev/null 2>&1 &&
 ./foobar >/dev/null 2>&1; then
```

```
  echo "a table of contents
 needs to be added with 'ar ts'."
  orderlib=false
  ranlib="$ar ts"
else
?X: Allow hints to specify their own ranlib "script". For instance, on
?X: some NeXT machines, the timestamp put by ranlib is not correct, and this
?X: may raise tedious recompiles for nothing. Therefore, NeXT may add the
?X: ranlib='sleep 5; /bin/ranlib' line in their hints to "fix" that.
?X: (reported by Andreas Koenig <k@franz.ww.tu-berlin.de>)
 case "$ranlib" in
 :) ranlib=";;
 ")
  ranlib=`./loc ranlib X /usr/bin /bin /usr/local/bin`
  $test -f $ranlib || ranlib="
  ;;
 esac
 if $test -n "$ranlib"; then
  echo "your system has '$ranlib'; we'll use that."
  orderlib=false
 else
  echo "your system doesn't seem to support random libraries"
  echo "so we'll use lorder and tsort to order the libraries."
  orderlib=true
  ranlib=":"
 fi
fi
$rm -f foo* bar*
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/orderlib.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorhtml1dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999, Andy Dougherty
?RCS:
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?RCS: You may reuse parts of this distribution only within the terms of
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: vendorhtml1dir.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
```

```
?MAKE:vendorhtml1dir vendorhtml1direxp installvendorhtml1dir: html1dir Getfile \
 Setprefixvar Oldconfig Prefixit test vendorprefix prefix sed
?MAKE: -pick add $@ %<
?Y:TOP
?S:vendorhtml1dir:
?S: This variable contains the name of the directory for html
?S: pages.  It may have a ~ on the front.
?S: The standard distribution will put nothing in this
 directory.
?S: Vendors who distribute perl may wish to place their own
?S: html pages in this directory with
?S:  MakeMaker Makefile.PL INSTALLDIRS=vendor
?S: or equivalent.  See INSTALL for details.
?S:.
?S:vendorhtml1direxp:
?S: This variable is the ~name expanded version of vendorhtml1dir, so that you
?S: may use it directly in Makefiles or shell scripts.
?S:.
?D:installvendorhtml1dir="
?S:installvendorhtml1dir:
?S: This variable is really the same as vendorhtml1direxp but may differ on
?S: those systems using AFS. For extra portability, only this variable
?S: should be used in makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installvendorhtml1dir
: Set the vendorhtml1dir variables
case "$vendorprefix" in
") vendorhtml1dir="
 vendorhtml1direxp="
 ;;
*) : determine where vendor-supplied html pages go.
 : There is no standard location, so try to copy the previously-selected
 : directory structure for the core html pages.
 : XXX Better default suggestions would be welcome.
 case "$vendorhtml1dir"
 in
 ") dflt=`echo "$html1dir" | $sed "s#^$prefix#$vendorprefix#"` ;;
 *) dflt=$vendorhtml1dir ;;
 esac
 case "$dflt" in
 "|' ') dflt=none ;;
 esac
 fn=dn+~
 rp='Pathname for the vendor-supplied html pages?'
 . ./getfile
 vendorhtml1dir="$ans"
 vendorhtml1direxp="$ansexp"
```

```
 ;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorhtml1dir" = "X" && vendorhtml1dir=' '
prefixvar=vendorhtml1dir
. ./installprefix
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorhtml1dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: lib.U,v 3.0.1.3 1995/09/25 09:16:47 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: lib.U,v $
?RCS: Revision 3.0.1.3  1995/09/25  09:16:47  ram
?RCS: patch59: unit is now forced to the top of Configure, if possible
?RCS:
?RCS: Revision 3.0.1.2  1995/01/30  14:38:08  ram
?RCS: patch49: can now handle installation prefix changes (from WED)
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:27:40  ram
?RCS: patch32: now uses installation prefix to set the default
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:56  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?LINT:
 empty
?X:?MAKE:lib libexp: Getfile Loc Oldconfig Prefixit Prefixup prefixexp
?X:?MAKE: -pick add $@ %<
?X:?Y:TOP
?X:?S:lib:
?X:?S: This variable holds the name of the directory in which the user wants
?X:?S: to put public library files for the package in question.  It is most
?X:?S: often a local directory such as /usr/local/lib. Programs using this
?X:?S: variable must be prepared to deal with filename expansion.
?X:?S:.
?X:?S:libexp:
?X:?S: This variable is the same as the lib variable, but is filename expanded
```

```
?X:?S: at configuration time, for convenient use in your makefiles.
?X:?S:.
?X:: determine where public libraries go
?X:set lib lib
?X:eval $prefixit
?X:case "$lib" in
?X:")
?X: dflt=`./loc . "." $prefixexp/lib /usr/local/lib /usr/lib /lib`
?X: set dflt
?X: eval $prefixup
?X: ;;
?X:*)  dflt="$lib";;
?X:esac
?X:echo " "
?X:fn=d~
?X:rp='Where do you want to put the public libraries?'
?X:. ./getfile
?X:lib="$ans"
?X:libexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/nullified/lib.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libpth.U,v $
?RCS: Revision 3.0.1.6  1997/02/28  16:08:49  ram
?RCS: patch61: new loclibpth variable
?RCS:
?RCS: Revision 3.0.1.5  1995/01/11  15:31:30  ram
?RCS: patch45: call ./mips instead of just mips (WED)
?RCS:
?RCS: Revision 3.0.1.4  1994/08/29  16:29:15  ram
?RCS: patch32: added /lib/pa1.1 for HP-UX specially tuned PA-RISC libs (ADO)
?RCS: patch32: fixed information message, making it clearer (ADO)
?RCS:
?RCS: Revision 3.0.1.3  1994/06/20  07:03:54  ram
?RCS: patch30: added /usr/shlib to
```

```
 glibpth for shared-only libraries
?RCS:
?RCS: Revision 3.0.1.2  1994/05/13  15:26:57  ram
?RCS: patch27: fixed a typo (libpth -> glibpth)
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  15:07:53  ram
?RCS: patch23: now asks for library directories to be searched (ADO)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:02  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit initializes the path for C library lookup.
?X:
?MAKE:libpth glibpth xlibpth plibpth loclibpth: \
 usrinc incpath test cat Myread Oldconfig
?MAKE: -pick add $@ %<
?S:libpth:
?S: This variable holds the general path (space-separated) used to find
?S: libraries. It is intended to be used by other units.
?S:.
?S:glibpth:
?S: This variable holds the general path (space-separated) used to
?S: find libraries.  It may contain directories that do not exist on
?S: this platform, libpth is the cleaned-up version.
?S:.
?S:xlibpth:
?S: This variable holds extra path (space-separated) used to find
?S: libraries on this platform,
 for example CPU-specific libraries
?S: (on multi-CPU platforms) may be listed here.
?S:.
?S:loclibpth:
?S: This variable holds the paths (space-separated) used to find local
?S: libraries.  It is prepended to libpth, and is intended to be easily
?S: set from the command line.
?S:.
?S:plibpth:
?S: Holds the private path used by Configure to find out the libraries.
?S: Its value is prepend to libpth. This variable takes care of special
?S: machines, like the mips.  Usually, it should be empty.
?S:.
?T: xxx dlist
?LINT:use usrinc
?INIT:: change the next line if compiling for Xenix/286 on Xenix/386
?INIT:xlibpth='/usr/lib/386 /lib/386'
?INIT:: Possible local library directories to search.
?INIT:loclibpth="/usr/local/lib /opt/local/lib /usr/gnu/lib"
```

```
?INIT:loclibpth="$loclibpth /opt/gnu/lib /usr/GNU/lib /opt/GNU/lib"
?INIT:
?INIT:: general looking path for locating libraries
?INIT:glibpth="/lib /usr/lib $xlibpth"
?INIT:glibpth="$glibpth /usr/ccs/lib /usr/ucblib /usr/local/lib"
?X: /shlib
 is for Digital Unix 4.0
?X: /usr/shlib is for OSF/1 systems.
?INIT:test -f /usr/shlib/libc.so && glibpth="/usr/shlib $glibpth"
?INIT:test -f /shlib/libc.so     && glibpth="/shlib $glibpth"
?INIT:
?INIT:: Private path used by Configure to find libraries.  Its value
?INIT:: is prepended to libpth. This variable takes care of special
?INIT:: machines, like the mips.  Usually, it should be empty.
?INIT:plibpth="
?INIT:
: Set private lib path
case "$plibpth" in
") if ./mips; then
?X: on mips, we DO NOT want /lib, and we want $incpath/usr/lib
  plibpth="$incpath/usr/lib /usr/local/lib /usr/ccs/lib"
 fi;;
esac
case "$libpth" in
' ') dlist=";;
") dlist="$loclibpth $plibpth $glibpth";;
*) dlist="$libpth";;
esac

: Now check and see which directories actually exist, avoiding duplicates
libpth="
for xxx in $dlist
do
   if $test -d $xxx; then
  case " $libpth " in
  *" $xxx "*) ;;
  *) libpth="$libpth $xxx";;
  esac
   fi
done
$cat <<'EOM'

Some systems have incompatible or broken versions
 of libraries.  Among
the directories listed in the question below, please remove any you
know not to be holding relevant libraries, and add any that are needed.
Say "none" for none.
```

```
EOM
case "$libpth" in
") dflt='none';;
*)
?X: strip leading space
 set X $libpth
 shift
 dflt=${1+"$@"}
 ;;
esac
rp="Directories to use for library searches?"
. ./myread
case "$ans" in
none) libpth=' ';;
*) libpth="$ans";;
esac
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libpth.U
No license file was found, but licenses were detected in source scan.

```
/*
* $Id: rename.C,v 3.0.1.1 1994/01/24 13:58:42 ram Exp ram $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* $Log: rename.C,v $
* Revision 3.0.1.1  1994/01/24  13:58:42  ram
* patch16: created
*
*/
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/C/fake/rename.C
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: cc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: cc.U,v $
?RCS: Revision 3.0.1.4  1995/05/12  12:06:47  ram
?RCS: patch54: may now abort Configure when cc does not work
?RCS:
?RCS: Revision 3.0.1.3  1995/01/11  15:20:11  ram
?RCS: patch45: changed gcc checking message to a more explicit one (WED)
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  16:04:29  ram
?RCS: patch36: detect gcc even when not called as 'gcc' (ADO)
?RCS: patch36: simplified gcc version checking (ADO)
?RCS: patch36: added ?F: line for metalint
 file checking
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  14:26:06  ram
?RCS: patch23: added support for gcc version (ADO)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:30  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:cc: Myread Oldconfig Checkcc test
?MAKE: -pick add $@ %<
?S:cc:
?S: This variable holds the name of a command to execute a C compiler which
?S: can resolve multiple global references that happen to have the same
?S: name.  Usual values are 'cc' and 'gcc'.
?S: Fervent ANSI compilers may be called 'c89'.  AIX has xlc.
?S:.
?F:!cc.cbu
?D:cc='cc'
: Determine the C compiler to be used
echo " "
case "$cc" in
") dflt=cc;;
*) dflt="$cc";;
esac
rp="Use which C compiler?"
. ./myread
cc="$ans"

: See whether they have no cc but they do have gcc
. ./trygcc
?X: Look for a hint-file generated 'call-back-unit'.  Now that the
```

```
?X: user has specified the compiler, we may need to set or change some
?X: other defaults.
if $test -f cc.cbu; then
   . ./cc.cbu
fi
. ./checkcc

Found
 in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/dist/U/cc.U
No license file was found, but licenses were detected in source scan.

?RCS: You may redistribute only under the terms of the Artistic Licence,

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/dist/U/d_setregid.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/dist/U/d_getpgrp2.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/dist/U/d_readlink.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/dist/U/d_mbtowc.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/dist/U/d_tminsys.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/dist/U/d_ftime.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/dist/U/d_rename.U
*
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5.38.0/dist/U/d_bcmp.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/U/perl/d_strxfrm_l.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/dist/U/d_mbstowcs.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/dist/U/i_syspoll.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/dist/U/d_sighold.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/dist/U/d_msgget.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/dist/U/d_syslog.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/dist/U/i_systimeb.U
*
```

/opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_ffs.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_ftrncate.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_setlnbuf.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_cbrt.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/newslib.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/ilp.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/locdist.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Obsol_sh.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_setsid.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_link.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_regcmp.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_memalign.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/cpp_trad.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/prefshell.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_unistd.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/rootid.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_table.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Obsol_h.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_cuserid.U
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* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_charsprf.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_memcmp.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Assert.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_pread.U
*
/opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_setrgid.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_pwrite.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_strtod.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_sysresrc.U

* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_inetaton.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_fork.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_speedopt.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_sysdir.U
*
/opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_lstat.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_memcpy.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_shmctl.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_usleep.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/newsspool.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_memccpy.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_sbrk.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_dld.U
*
/opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Loc_sed.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_gdbm.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_flock.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_fsetpos.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_sysparam.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_scandir.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_sysioctl.U
*
/opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_getppid.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_strcoll.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_setgrps.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/dist/U/d_memset.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/mkdep.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_scorfl.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_fcntl.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_getgrps.U
*
 /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_preadv.U
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_usendir.U
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```
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?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in order
?X: to make quick check on whether the current C compiler is working.
?X:
?MAKE:Checkcc ccname ccversion: Myread Warn startsh cat contains test
?MAKE: -pick add $@ %<
?S:ccname:
?S: This can set either by hints files or by Configure.  If using
?S: gcc, this is gcc, and if not, usually equal to cc, unimpressive, no?
?S: Some platforms, however, make good use of this by storing the
?S: flavor
 of the C compiler being used here.  For example if using
?S: the Sun WorkShop suite, ccname will be 'workshop'.
?S:.
?S:ccversion:
?S: This can set either by hints files or by Configure.  If using
?S: a (non-gcc) vendor cc, this variable may contain a version for
?S: the compiler.
?S:.
?F:./checkcc ./trygcc !checktmp
```

```
?V:despair
?T:trygcc
?LINT:extern cc rm ccflags ldflags
?LINT:change cc ccflags
?LINT:usefile checktmp
?INIT:ccname=''
?INIT:ccversion=''
: generate the trygcc script for later perusal
cat <<EOS >trygcc
$startsh
EOS
cat <<'EOSC' >>trygcc
case "$cc" in
'') ;;
*)  $rm -f try try.*
   $cat >try.c <<EOM
int main(int argc, char *argv[]) {
 (void) argc;
 (void) argv;
 return 0;
}
EOM
   if $cc -o try $ccflags $ldflags try.c; then
      :
   else
      echo "Uh-oh, the C compiler '$cc' doesn't seem to be working." >&4
      despair=yes
      trygcc=yes
      case "$cc" in
      *gcc*) trygcc=no ;;
      esac
      case "`$cc -v -c try.c 2>&1`" in

     *gcc*) trygcc=no ;;
      esac
      if $test X"$trygcc" = Xyes; then
         if gcc -o try -c try.c; then
            echo " "
            echo "You seem to have a working gcc, though." >&4
            rp="Would you like to use it?"
            dflt=y
            if $test -f myread; then
               . ./myread
            else
               if $test -f UU/myread; then
                  . ./UU/myread
               else
                  echo "Cannot find myread, sorry.  Aborting." >&2
```

```
                exit 1
            fi
        fi
        case "$ans" in
        [yY]*) cc=gcc; ccname=gcc; ccflags=''; despair=no;
?X: Look whether we have 'call-back units' generated by hints that would
?X: seemingly affect the compiling environment.
                $cat *.cbu >checktmp 2>/dev/null
                if $contains ccflags checktmp >/dev/null; then

    ./warn <<EOM
Any previous setting of the C compiler flags has been lost.
It may be necessary to pass -Dcc=gcc to Configure right away.
EOM
                fi;;
        esac
      fi
    fi
  fi
  $rm -f try try.*
  ;;
esac
EOSC

: generate the checkcc script for later perusal
cat <<EOS >checkcc
$startsh
EOS
cat <<'EOSC' >>checkcc
case "$cc" in
") ;;
*)  $rm -f try try.*
  $cat >try.c <<EOM
int main(int argc, char *argv[]) {
 (void) argc;
 (void) argv;
 return 0;
}
EOM
  if $cc -o try $ccflags $ldflags try.c; then
    :
  else
    if $test X"$despair" = Xyes; then
      echo "Uh-oh, the C compiler '$cc' doesn't seem to be working." >&4
    fi
    $cat >&4 <<EOM
You need to find a working C compiler.
Either (purchase and) install the C compiler supplied by your OS vendor,
```

```
or for a free C compiler try http://gcc.gnu.org/
I cannot continue any further, aborting.
EOM
      exit 1
   fi

 $rm -f try try.*
   ;;
esac
EOSC
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Checkcc.U
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```
?RCS: $Id: Myinit.U,v 3.0 1993/08/18 12:05:07 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: This file is included with or a derivative work of a file included
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.
?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS:
?RCS:     You may distribute under the terms of either the GNU General Public
?RCS:     License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: Myinit.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:07  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: If you want to initialize any default values, copy this unit to your
?X: personal U directory and add the assignments to the end.  This file
?X: is included after variables are initialized but before any old
?X: config.sh file is read in and before any Configure switch processing.
?X:
?MAKE:Myinit
 libswanted: Init
?MAKE: -pick add $@ %<
?S:libswanted:
?S: This variable holds a list of all the libraries we want to
?S: search.  The order is chosen to pick up the c library
?S: ahead of ucb or bsd libraries for SVR4.
?S:.
?LINT:extern usevfork glibpth
?LINT:change usevfork glibpth
: List of libraries we want.
```

```
?X: Put crypt here, even though I should really fix d_crypt.U to look
?X: for it correctly, including possible shared library versions.
: If anyone needs extra -lxxx, put those in a hint file.
libswanted="cl pthread socket bind inet ndbm gdbm dbm db malloc dl ld"
libswanted="$libswanted sun m crypt sec util c cposix posix ucb bsd BSD"
: We probably want to search /usr/shlib before most other libraries.
: This is only used by the lib/ExtUtils/MakeMaker.pm routine extliblist.
glibpth=`echo " $glibpth " | sed -e 's! /usr/shlib ! !'`
glibpth="/usr/shlib $glibpth"
: Do not use vfork unless overridden by a hint file.
usevfork=false
```

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Myinit.U
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```
?RCS: $Id: Inhdr.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Inhdr.U,v $
?RCS: Revision 3.0.1.2  1995/05/12  12:01:31  ram
?RCS: patch54: deleted tabs that caused some /bin/sh to core dump (ADO)
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  15:55:01  ram
?RCS: patch36: call ./whoa explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:01  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit checks wether a set of header files exists or not.
?X: If the first header is not
 found, the function tries to locate
?X: the next header, and so on, until one is found or there is no
?X: more header in the list.
?X:
?X: To use it, say:
?X: set header i_header [ header2 i_header2 ... ]
?X: eval $inhdr
?X:
```

```
?MAKE:Inhdr: test Findhdr Whoa
?MAKE: -pick add $@ %<
?LINT:define inhdr
?V:inhdr
?S:inhdr:
?S: This shell variable is used internally by Configure to check
?S: wether a set of headers exist or not. A typical use is:
?S:  set header i_header [ header2 i_header2 ... ]
?S:  eval $inhdr
?S: That will print a message, saying wether header was found or not
?S: and set i_header* accordingly. If the first header is not found,
?S: we try the next one, until the list is empty or one is found.
?S:.
?T:xxx xxf var td xxnf tu yyy instead was cont
: define an alternate in-header-list? function
inhdr='echo " "; td=$define; tu=$undef; yyy=$@;
cont=true; xxf="echo \"<\$1> found.\" >&4";
case $# in 2) xxnf="echo \"<\$1> NOT found.\" >&4";;
*) xxnf="echo \"<\$1> NOT found, ...\" >&4";;
esac;
case
 $# in 4) instead=instead;; *) instead="at last";; esac;
while $test "$cont"; do
 xxx=`./findhdr $1`
 var=$2; eval "was=\$$2";
 if $test "$xxx" && $test -r "$xxx";
 then eval $xxf;
?X: Next line shifted left 1 tabstop to avoid sh core dump on MachTen 2.1.1.
 eval "case \"\$$var\" in $undef) . ./whoa; esac"; eval "$var=\$td";
  cont="";
 else eval $xxnf;
?X: Likewise, the next line has been shifted left 1 tabstop -- ADO, 08/03/95
 eval "case \"\$$var\" in $define) . ./whoa; esac"; eval "$var=\$tu"; fi;
 set $yyy; shift; shift; yyy=$@;
 case $# in 0) cont="";;
 2) xxf="echo \"but I found <\$1> $instead.\" >&4";
  xxnf="echo \"and I did not find <\$1> either.\" >&4";;
 *) xxf="echo \"but I found <\$1\> instead.\" >&4";
  xxnf="echo \"there is no <\$1>, ...\" >&4";;
 esac;
done;
?X: Remaining values are set to 'undef'
while $test "$yyy";
do set $yyy; var=$2; eval "was=\$$2";
 eval "case \"\$$var\" in $define) . ./whoa; esac"; eval "$var=\$tu";
 set $yyy; shift; shift; yyy=$@;
done'
```

```
Found
 in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Inhdr.U
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: so.U,v $
?RCS: Revision 3.0.1.2  1994/10/29  16:30:04  ram
?RCS: patch36: now tells user how he can suppress shared lib lookup (ADO)
?RCS: patch36: removed echo at the top, since it's now in the here-doc (ADO)
?RCS:
?RCS: Revision 3.0.1.1  1994/06/20  07:07:02  ram
?RCS: patch30: created
?RCS:
?X:
?X: This unit computes the shared-object / shared-lib extension
?X:
?MAKE:so: test libpth Loc Myread Oldconfig cat
?MAKE: -pick add $@ %<
?S:so:
?S: This variable holds the extension used to identify
 shared libraries
?S: (also known as shared objects) on the system. Usually set to 'so'.
?S:.
?T: xxx
: compute shared library extension
case "$so" in
")
 if xxx=`./loc libc.sl X $libpth`; $test -f "$xxx"; then
  dflt='sl'
 else
  dflt='so'
 fi
 ;;
*) dflt="$so";;
esac
$cat <<EOM
```

On some systems, shared libraries may be available. Answer 'none' if
you want to suppress searching of shared libraries for the remainder
of this configuration.

EOM
rp='What is the file extension used for shared libraries?'
. ./myread
so="$ans"

Found in path(s):
* /opt/cola/permits/2338873519_1738276668.2274396/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/so.U

1.7900 libcapbin 2.66-5ubuntu2.1

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1.7903 perl-modules-5.38 5.38.2-3.2build2.1

1.7903.1 Available under license :

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```
?RCS: $Id: Oldsym.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Oldsym.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:06:58  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:13  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit follows the creation of the config.sh file. It adds some
?X: special symbols: defines from patchlevel.h file if any and PERL_CONFIG_SH,
?X: which is set to true. Then, we try to keep all the new symbols that
?X: may come from a hint
 file or a previous config.sh file.
?X:
?MAKE:Oldsym: Config_sh cat test hint src sed sort uniq perl_patchlevel
?MAKE: -pick add $@ %<
?T:PERL_CONFIG_SH PERL_PATCHLEVEL sym tmp
?F:!UU
: add special variables
$test -f $src/patchlevel.h && \
awk '/^#define[  ]+PERL_/ {printf "%s=%s\n",$2,$3}' $src/patchlevel.h >>config.sh
echo "PERL_PATCHLEVEL='$perl_patchlevel'" >>config.sh
echo "PERL_CONFIG_SH=true" >>config.sh

: propagate old symbols
```

```
if $test -f UU/config.sh; then
?X: Make sure each symbol is unique in oldconfig.sh
 <UU/config.sh $sort | $uniq >UU/oldconfig.sh
?X:
?X: All the symbols that appear twice come only from config.sh (hence the
?X: two config.sh in the command line). These symbols will be removed by
?X: the uniq -u command. The oldsyms file thus contains all the symbols
?X: that did not appear in the produced config.sh (Larry Wall).
?X:
?X: Do not touch the -u flag of uniq.  This means you too, Jarkko.
?X:
 $sed -n 's/^\([a-zA-Z_0-9]*\)=.*/\1/p' \
  config.sh config.sh UU/oldconfig.sh
 |\
  $sort | $uniq -u >UU/oldsyms
 set X `$cat UU/oldsyms`
 shift
 case $# in
 0) ;;
 *)
  $cat <<EOM
Hmm...You had some extra variables I don't know about...I'll try to keep 'em...
EOM
  echo ": Variables propagated from previous config.sh file." >>config.sh
  for sym in `$cat UU/oldsyms`; do
   echo "    Propagating $hint variable "'$'"$sym..."
   eval 'tmp="$'"${sym}"'"'
   echo "$tmp" | \
    sed -e "s/'/'\''\''/g" -e "s/^/$sym='/" -e "s/$/'/" >>config.sh
  done
  ;;
 esac
fi
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Oldsym.U
No license file was found, but licenses were detected in source scan.

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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
?RCS: $Log: package.U,v $
?RCS: Revision 3.0.1.3  1994/10/29  16:27:21  ram
?RCS: patch36: beware of non-ascii character sets when translating case
?RCS:
?RCS: Revision 3.0.1.2  1993/11/10  17:37:02  ram
?RCS: patch14: skip definition of spackage if not otherwise used
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:11:10  ram
?RCS: patch10: added spackage, suitable for starting sentences
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:28  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:package spackage:
 Nothing
?MAKE: -pick wipe $@ %<
?S:package:
?S: This variable contains the name of the package being constructed.
?S: It is primarily intended for the use of later Configure units.
?S:.
?S:spackage:
?S: This variable contains the name of the package being constructed,
?S: with the first letter uppercased, i.e. suitable for starting
?S: sentences.
?S:.
?C:PACKAGE:
?C: This variable contains the name of the package being built.
?C:.
?H:#define PACKAGE "$package"
?H:.
?T:first last
: set package name
package='<PACKAGENAME>'
@if spackage
first=`echo $package | sed -e 's/^\(.\).*/\1/'`
last=`echo $package | sed -e 's/^.\(.*\)/\1/'`
?X:
?X: So early in the Configure script, we don't have ./tr set up and can't
?X: include Tr in our dependency or that would create a cycle. Therefore,
?X: we have to somehow duplicate the work done in Tr. That's life.
?X:
case "`echo AbyZ | tr '[:lower:]' '[:upper:]' 2>/dev/null`" in
ABYZ) spackage=`echo $first | tr '[:lower:]' '[:upper:]'`$last;;
*) spackage=`echo
 $first | tr '[a-z]' '[A-Z]'`$last;;
esac
@end
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/package.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: man3dir.U,v 3.1 1999/07/08 20:52:19 doughera Exp doughera $
?RCS:
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?RCS:
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: man3dir.U,v $
?RCS: Revision 3.1  1999/07/08 20:52:19  doughera
?RCS: Updated for perl5.005_5x
?RCS:
?RCS: Revision 3.0.1.1  1997/02/28  16:10:34  ram
?RCS: patch61: created
?RCS:
?X: This was originally specific to perl5.  Since perl5 has man pages that
?X: go in both man1/ and man3/ directories, we need both man1dir
?X: and man3dir.  This unit is basically dist's mansrc.U with
?X: man3 used instead
 of man everywhere.
?X: I then added various tests because perl5 has *lots* of man3
?X: pages with long file names. -- ADO
?X:
?MAKE:man3dir man3direxp man3ext installman3dir: cat nroff Loc Oldconfig \
 sed man1dir spackage package Getfile Setprefixvar Prefixit Prefixup \
 d_flexfnam privlib Myread test
?MAKE: -pick add $@ %<
?Y:TOP
?D:man3dir=''
?S:man3dir:
?S: This variable contains the name of the directory in which manual
?S: source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?D:man3direxp=''
?S:man3direxp:
?S: This variable is the same as the man3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
```

```
?S:.
?D:installman3dir="
?S:installman3dir:
?S: This variable is really the same as man3direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man3direxp only
 points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:man3ext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '3'.  The Makefile must supply the '.'.
?S: See man3dir.
?S:.
?T:prog tdflt
?LINT:change prefixvar
?LINT:set man3direxp
: determine where library module manual pages go
set man3dir man3dir none
eval $prefixit
$cat <<EOM

$spackage has manual pages for many of the library modules.
EOM

case "$nroff" in
nroff)
 $cat <<'EOM'
However, you don't have nroff, so they're probably useless to you.
EOM
 case "$man3dir" in
 ") man3dir="none";;
 esac;;
esac

case "$d_flexfnam" in
undef)
 $cat <<'EOM'
However, your system can't handle the long file names like File::Basename.3.
EOM
 case "$man3dir" in
 ") man3dir="none";;
 esac;;
esac

echo "If you don't want the manual sources installed, answer 'none'."
?X: In 5.005_57 and earlier, I had the following notes:
?X:
```

```
 We do not use /usr/local/man/man3 because some man programs will
?X: only show the /usr/local/man/man3 contents, and not the system ones,
?X: thus man less will show the perl module less.pm, but not the system
?X: less command.  We might also conflict with Tcl man pages.
?X: However, something like /opt/perl/man/man3 is fine.
?X:
?X: However, opinion seems to be shifting such that 'man POSIX' ought
?X: to just work.  -- Andy Dougherty  July 8, 1999
?X:
?X: remove any trailing -3.0 or other version indication from $package
prog=`echo $package | $sed 's/-*[0-9.]*$//'`
case "$man3dir" in
") dflt=`echo "$man1dir" | $sed -e 's/man1/man3/g' -e 's/man\.1/man\.3/g'`
 if $test -d "$privlib/man/man3"; then
  cat <<EOM >&4

WARNING:  Previous versions of perl installed man3 pages into
$privlib/man/man3.  This version will suggest a
new default of $dflt.
EOM
  tdflt=$dflt
  dflt='n'
  rp='Do you wish to preserve the old behavior?(y/n)'
  . ./myread
  case "$ans" in
  y*) dflt="$privlib/man/man3"
 ;;
  *)  dflt=$tdflt ;;
  esac
   fi
 ;;
*) dflt="$man3dir" ;;
esac
case "$dflt" in
' ') dflt=none ;;
esac
echo " "
fn=dn+~
rp="Where do the $package library man pages (source) go?"
. ./getfile
prefixvar=man3dir
. ./setprefixvar

case "$man3dir" in
") man3dir=' '
 installman3dir=";;
esac
```

```
: What suffix to use on installed man pages
case "$man3dir" in
' ')
 man3ext='0'
 ;;
*)
 rp="What suffix should be used for the $package library man pages?"
 case "$man3ext" in
 ") case "$man3dir" in
  *3)  dflt=3 ;;
  *3p) dflt=3p ;;
  *3pm) dflt=3pm ;;
  *l) dflt=l;;
  *n) dflt=n;;
  *o) dflt=o;;
  *p) dflt=p;;
  *C) dflt=C;;
  *L) dflt=L;;
  *L3) dflt=L3;;
  *) dflt=3;;
  esac
  ;;
 *) dflt="$man3ext";;
 esac
 . ./myread
 man3ext="$ans"
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/man3dir.U
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```
?RCS: $Id: Csym.U,v 3.0.1.4 1995/07/25 13:36:29 ram Exp $
?RCS:
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Csym.U,v $
?RCS: Revision 3.0.1.4  1995/07/25  13:36:29  ram
?RCS: patch56: re-arranged compile line to include ldflags before objects
?RCS: patch56: added quotes for OS/2 support
```

```
?RCS:
?RCS: Revision 3.0.1.3  1995/05/12  12:00:33  ram
?RCS: patch54: fixed C test program to bypass gcc builtin type checks (ADO)
?RCS:
?RCS: Revision 3.0.1.2  1994/10/31  09:34:13  ram
?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U
?RCS:
?RCS: Revision
 3.0.1.1  1993/08/25  14:00:05  ram
?RCS: patch6: added ldflags as a conditional dependency and to compile line
?RCS: patch6: a final double quote was missing in csym variable after eval
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:50  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:Csym mistrustnm extern_C: Options contains libc libs runnm test \
 +cc +optimize +ccflags +ldflags run rm_try _exe d_cplusplus
?MAKE: -pick add $@ %<
?LINT:define csym
?LINT:use libc
?LINT:extern mistrustnm
?LINT:set mistrustnm
?S:csym:
?S: This shell variable is used internally by Configure to check
?S: whether a given C symbol is defined or not. A typical use is:
?S:  set symbol result [-fva] [previous]
?S:  eval $csym
?S: That will set result to 'true' if the function [-f], variable [-v]
?S: or array [-a] is defined, 'false' otherwise. If a previous value is
?S: given and the -r flag was provided on the command line, that value
?S: is reused without questioning.
?S:.
?S:extern_C:
?S: ANSI C
 requires 'extern' where C++ requires 'extern "C"'. This
?S: variable can be used in Configure to do the right thing.
?S:.
?S:mistrustnm:
?S: This variable can be used to establish a fallthrough for the cases
?S: where nm fails to find a symbol.  If usenm is false or usenm is true
?S: and mistrustnm is false, this variable has no effect.  If usenm is true
?S: and mistrustnm is "compile", a test program will be compiled to try to
?S: find any symbol that can't be located via nm lookup.  If mistrustnm is
?S: "run", the test program will be run as well as being compiled.
?S:.
?V:csym
?T:tval tx tlook tf tdc
?F:!try
```

```
: is a C symbol defined?
csym='tlook=$1;
case "$3" in
-v) tf=libc.tmp; tdc="";;
-a) tf=libc.tmp; tdc="[]";;
*) tlook="^$1\$"; tf=libc.list; tdc="()";;
esac;
case "$d_cplusplus" in
   $define) extern_C="extern \"C\"" ;;
   *)  extern_C="extern" ;;
esac;
tx=yes;
case "$reuseval-$4" in
true-) ;;
true-*) tx=no; eval "tval=\$$4"; case "$tval" in "") tx=yes;; esac;;
esac;
case "$tx"
 in
yes)
?X:
?X: Put symbol inside a printf to fool optimizing compilers...
?X:
?X: We use 'short' instead of 'int' to try to circumvent overzealous
?X: optimizing compilers using built-in prototypes for commonly used
?X: routines to complain when seeing a different external declaration. For
?X: instance, gcc 2.6.3 fails if we use 'int' and we attempt a test against
?X: memcpy() on machines where sizeof(int) == sizeof(char *) (the usual return
?X: type), the compiler assuming it's a built-in declaration given that the
?X: returned size matches. At least with 'short' we are safe! -- RAM, for ADO
?X:
?X: Let's thank GNU cc for making our lives so easy! :-)
?X: (An alternative for the future would be to use our knowledge about gcc
?X: to force a -fno-builtin option in the compile test, in case the 'short'
?X: trick is obsoleted by future gcc releases). -- RAM
?X:
 tval=false;
 if $test "$runnm" = true; then
  if $contains $tlook $tf >/dev/null 2>&1; then
   tval=true;
  elif $test "$mistrustnm"
 = compile -o "$mistrustnm" = run; then
   echo "$extern_C void *$1$tdc; void *(*(p()))$tdc { return &$1; } int main(int argc, char **argv) { if(p() && p() !=
(void *)argv[0]) return(0); else return(1); }"> try.c;
   $cc -o try $optimize $ccflags $ldflags try.c >/dev/null 2>&1 $libs && tval=true;
   $test "$mistrustnm" = run -a -x try && { $run ./try$_exe >/dev/null 2>&1 || tval=false; };
   $rm_try;
  fi;
 else
```

```
  echo "$extern_C void *$1$tdc; void *(*(p()))$tdc { return &$1; } int main(int argc, char **argv) { if(p() && p() !=
(void *)argv[0]) return(0); else return(1); }"> try.c;
  $cc -o try $optimize $ccflags $ldflags try.c $libs >/dev/null 2>&1 && tval=true;
  $rm_try;
 fi;
 ;;
*)
 case "$tval" in
 $define) tval=true;;
 *) tval=false;;
 esac;
 ;;
esac;
eval "$2=$tval"'
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/Csym.U
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Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_sigsetjmp.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_sigsetjmp.U
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* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_keepsig.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/cpp_stuff.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/otherlibdirs.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_telldirproto.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/d_time.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_htonl.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/i_pthread.U
*

/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/archname.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/uidtype.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_time.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_csh.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_setpent.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_castneg.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_strftime.U
*
/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/usrinc.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_dlopen.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/uidtype.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_socket.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/i_dirent.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_vprintf.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_mbrlen.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_socklen_t.U
*
/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/bin.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Oldconfig.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_gconvert.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/startperl.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/i_malloc.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_dir_dd_fd.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_safemcpy.U
*

/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/mallocsrc.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/doublesize.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_scannl.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/charsize.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/acl/i_syssecrt.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/sitearch.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/randfunc.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/errnolist.U
*
/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_getsent.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_gethbynm.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_termio.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_statblks.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_closedir.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/ccflags.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/charsize.U
*
/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_gethname.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/sunscanf.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/scriptdir.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_malloc.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_wcscmp.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/perlpath.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_isascii.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_shm.U

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* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/abortsig.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_flexfnam.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/protos/d_getprotoprotos.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_gai_strerror.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_times.U

* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_stdstdio.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/usesocks.U
*
/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/inc_version_list.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/selecttype.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/ssizetype.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_attribut.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_dlopen.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/voidflags.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_getpent.U
*
/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_wifstat.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_getpgrp.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/gccvers.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_wctype.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_getpagsz.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_getprpwnam.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/i_ndbm.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/modetype.U
*
/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_getespwnam.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/byteorder.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_voidsig.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/libpth.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_strtoul.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/dist/U/i_sysmman.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/bitpbyte.U
*
/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/charorder.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/nblock_io.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_sigaction.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_time.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/prototype.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_eofpipe.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d__fwalk.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_mallocmalloc.U
*
/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_strtoul.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_getnent.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_builtin.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/a_dvisory/intsize.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_access.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorbin.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/prefix.U
*
/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_portable.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_attribut.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/alignbytes.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_gnulibc.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_endsent.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_sanemcmp.U

* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/i_pwd.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: Original author Jarkko Hietaniemi <jhi@iki.fi>
?RCS: Merged into dist by Andy Dougherty  July 13, 1998
?RCS:
?MAKE:trnl: Nothing
?MAKE: -pick add $@ %<
?S:trnl:
?S: This variable contains the value to be passed to the tr(1)
?S: command to transliterate a newline.  Typical values are
?S: '\012' and '\n'.  This is needed for EBCDIC systems where
?S: newline is not necessarily '\012'.
?S:.
?T: DJGPP
: Find the appropriate value for a newline for tr
?X: We can't
 use $tr since that would cause a circular dependency via Myread
?X: dos djgpp uses '\015\012', but reportedly is happy with '\012' in the
?X: tr command.  I don't know why it passes the '\n' test but later
?X: refuses to work correctly with it.  --AD  6/14/98
if test -n "$DJGPP"; then
    trnl='\012'
fi
if test X"$trnl" = X; then
 case "`echo foo | tr '\n' x 2>/dev/null`" in
 foox) trnl='\n' ;;
 esac
fi
if test X"$trnl" = X; then
 case "`echo foo | tr '\012' x 2>/dev/null`" in
 foox) trnl='\012' ;;
 esac
fi
if test X"$trnl" = X; then
```

```
	case "`echo foo | tr '\r\n' xy 2>/dev/null`" in
	fooxy) trnl='\n\r' ;;
	esac
fi
if test X"$trnl" = X; then
 cat <<EOM >&2

$me: Fatal Error: cannot figure out how to translate newlines with 'tr'.

EOM
 exit 1
fi
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/trnl.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: n.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: n.U,v $
?RCS: Revision 3.0  1993/08/18  12:09:19  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:n c: contains
?MAKE: -pick add $@ %<
?S:n:
?S: This variable contains the -n flag if that is what causes the echo
?S: command to suppress newline.  Otherwise it is null.  Correct usage is
?S:	$echo $n "prompt for a question: $c".
?S:.
?S:c:
?S: This variable contains the \c string if that is what causes the echo
?S: command to suppress newline.
  Otherwise it is null.  Correct usage is
?S:	$echo $n "prompt for a question: $c".
?S:.
: first determine how to suppress newline on echo command
echo " "
echo "Checking echo to see how to suppress newlines..."
```

```
(echo "hi there\c" ; echo " ") >.echotmp
if $contains c .echotmp >/dev/null 2>&1 ; then
 echo "...using -n."
 n='-n'
 c=''
else
 cat <<'EOM'
...using \c
EOM
 n=''
 c='\c'
fi
echo $n "The star should be here-->$c"
echo '*'
rm -f .echotmp
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/n.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: lib.U,v 3.0.1.3 1995/09/25 09:16:47 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: lib.U,v $
?RCS: Revision 3.0.1.3  1995/09/25  09:16:47  ram
?RCS: patch59: unit is now forced to the top of Configure, if possible
?RCS:
?RCS: Revision 3.0.1.2  1995/01/30  14:38:08  ram
?RCS: patch49: can now handle installation prefix changes (from WED)
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:27:40  ram
?RCS: patch32: now uses installation prefix to set the default
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:56  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?LINT:
 empty
?X:?MAKE:lib libexp: Getfile Loc Oldconfig Prefixit Prefixup prefixexp
?X:?MAKE: -pick add $@ %<
```

```
?X:?Y:TOP
?X:?S:lib:
?X:?S: This variable holds the name of the directory in which the user wants
?X:?S: to put public library files for the package in question.  It is most
?X:?S: often a local directory such as /usr/local/lib. Programs using this
?X:?S: variable must be prepared to deal with filename expansion.
?X:?S:.
?X:?S:libexp:
?X:?S: This variable is the same as the lib variable, but is filename expanded
?X:?S: at configuration time, for convenient use in your makefiles.
?X:?S:.
?X:: determine where public libraries go
?X:set lib lib
?X:eval $prefixit
?X:case "$lib" in
?X:")
?X: dflt=`./loc . "." $prefixexp/lib /usr/local/lib /usr/lib /lib`
?X: set dflt
?X: eval $prefixup
?X: ;;
?X:*)  dflt="$lib";;
?X:esac
?X:echo " "
?X:fn=d~
?X:rp='Where do you want to put the public libraries?'
?X:. ./getfile
?X:lib="$ans"
?X:libexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/nullified/lib.U
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```
?RCS: $Id$
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: usenm.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:26:40  ram
?RCS: patch61: don't use nm with the GNU C library
?RCS: patch61: added support for Linux shared libs
```

```
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:57  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:usenm runnm nm_opt nm_so_opt: cat test Myread Oldconfig grep \
 d_gnulibc nm egrep rsrc osname Guess
?MAKE: -pick add $@ %<
?S:usenm:
?S: This variable contains 'true' or 'false' depending whether the
?S: nm extraction is wanted
 or not.
?S:.
?S:runnm:
?S: This variable contains 'true' or 'false' depending whether the
?S: nm extraction should be performed or not, according to the value
?S: of usenm and the flags on the Configure command line.
?S:.
?S:nm_opt:
?S: This variable holds the options that may be necessary for nm.
?S:.
?S:nm_so_opt:
?S: This variable holds the options that may be necessary for nm
?S: to work on a shared library but that can not be used on an
?S: archive library.  Currently, this is only used by Linux, where
?S: nm --dynamic is *required* to get symbols from an ELF library which
?S: has been stripped, but nm --dynamic is *fatal* on an archive library.
?S: Maybe Linux should just always set usenm=false.
?S:.
: see if nm is to be used to determine whether a symbol is defined or not
?X: If there is enough inquiries, it might be worth to wait for the nm
?X: extraction. Otherwise, the C compilations might be a better deal.
?X:
?X: Don't bother if we're using GNU libc -- skimo
case "$usenm"
 in
")
 dflt="
 case "$d_gnulibc" in
 "$define")
  echo " "
  echo "$nm probably won't work on the GNU C Library." >&4
  dflt=n
  ;;
 esac
 case "$dflt" in
 ")
  if $test "$osname" = aix -a ! -f /lib/syscalls.exp; then
   echo " "
```

```
  echo "Whoops!  This is an AIX system without /lib/syscalls.exp!" >&4
  echo "'nm' won't be sufficient on this system." >&4
  dflt=n
 fi
 ;;
esac
case "$dflt" in
")
 if ./gnu; then
  echo " "
  echo "Hmm...  A GNU system without a GNU C Library?  Weird..." >&4
  dflt=n
 else
  dflt=`$egrep 'inlibc|csym' $rsrc/Configure | wc -l 2>/dev/null`
  if $test $dflt -gt 20; then
   dflt=y
  else
   dflt=n
  fi
 fi
 ;;
esac
;;
*)
case "$usenm" in
true|$define) dflt=y;;
*) dflt=n;;
esac
;;
esac
$cat <<EOM

I can use $nm to extract the symbols from your C libraries. This
is a time consuming task which may generate huge output on the disk (up
to 3 megabytes) but that should make the symbols extraction faster. The
alternative is to skip the
 'nm' extraction part and to compile a small
test program instead to determine whether each symbol is present. If
you have a fast C compiler and/or if your 'nm' output cannot be parsed,
this may be the best solution.

EOM
rp='Shall I use nm to extract C symbols from the libraries?'
. ./myread
case "$ans" in
[Nn]*) usenm=false;;
*) usenm=true;;
esac
```

```
?X: Name extraction is to be run if 'nm' usage is wanted and if no -r flag
?X: was provided to configure (in which case we simply re-use the previous
?X: values).
runnm=$usenm
case "$reuseval" in
true) runnm=false;;
esac

: nm options which may be necessary
case "$nm_opt" in
") if $test -f /mach_boot; then
  nm_opt="  # Mach
 elif $test -d /usr/ccs/lib; then
  nm_opt='-p'  # Solaris (and SunOS?)
 elif $test -f /dgux; then
  nm_opt='-p'  # DG-UX
 elif $test -f /lib64/rld; then
  nm_opt='-p'  # 64-bit Irix
 else
  nm_opt="
 fi;;
esac

?X: nm options which may be necessary for shared libraries but illegal
?X: for archive libraries.  Thank you,
 Linux.
case "$nm_so_opt" in
") case "$osname" in
 *linux*)
  if $nm --help | $grep 'dynamic' > /dev/null 2>&1; then
   nm_so_opt='--dynamic'
  fi
  ;;
 esac
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/usenm.U
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```
?RCS: $Id: afs.U 1 2006-08-24 12:32:52Z rmanfredi $
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```

```
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: afs.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  15:23:06  ram
?RCS: patch61: can now explicitly tell Configure whether AFS is running
?RCS:
?RCS: Revision 3.0.1.1  1993/08/24  12:24:43  ram
?RCS: patch3: created
?RCS:
?MAKE:afs afsroot: test
?MAKE: -pick add $@ %<
?S:afs:
?S: This variable is set to 'true' if AFS (Andrew File System) is used
?S: on the system, 'false' otherwise.  It is possible to override this
?S: with a hint value or command line option,
 but you'd better know
?S: what you are doing.
?S:.
?S:afsroot:
?S: This variable is by default set to '/afs'. In the unlikely case
?S: this is not the correct root, it is possible to override this with
?S: a hint value or command line option.  This will be used in subsequent
?S: tests for AFSness in the configure and test process.
?S:.
: allow them to override the AFS root
case "$afsroot" in
") afsroot=/afs ;;
*) afsroot=$afsroot ;;
esac

: is AFS running?
echo " "
case "$afs" in
$define|true) afs=true ;;
$undef|false) afs=false ;;
*) if $test -d $afsroot; then
  afs=true
 else
  afs=false
 fi
 ;;
esac
if $afs; then
 echo "AFS may be running... I'll be extra cautious then..." >&4
else
```

```
 echo "AFS does not seem to be running..." >&4
fi
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/afs.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Compile.U,v $
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS:
?X:
?X: This unit is just a quick shorthand for the compile command
?X: to be used in all the other metaconfig units.
?X:
?MAKE:Compile: +cc +optimize +ccflags +ldflags +libs test
?MAKE: -pick wipe $@ %<
?LINT:extern usedevel maintloc
?LINT:define compile compile_ok
?V:compile compile_ok mc_file
?S:compile:
?S: This shell variable is used internally by Configure to provide
?S: a convenient shorthand for the typical compile command, namely
?S: $cc $optimize $ccflags $ldflags -o $1 $1.c $libs > /dev/null 2>&1
?S: Note that the output filename does _not_ include the _exe
?S: extension.  Instead we assume that the linker will be
?S: "helpful" and automatically appending the correct suffix.
?S: OS/2
 users will apparently need to supply the -Zexe flag to
?S: get this behavior.
?S:
?S: To use this variable, say something like:
?S:  echo 'int main() { exit(0); }' > try.c
?S:  set try
?S:  if eval $compile; then
?S:   echo "success"   # and do whatever . . .
?S:  else
?S:   echo "failure"   # and do whatever . . .
?S:  fi
?S: To add extra flags cc flags (e.g. -DWHATEVER) just put them
?S: in $*, e.g.
?S:  set try -DTRY_THIS_FLAG
?S:.
```

```
?S:compile_ok:
?S: This shell variable is used internally by Configure to provide
?S: a convenient shorthand for the typical compile command that you
?S: expect to work ok.  It is the same as $compile, except we
?S: deliberately let the user see any error messages.
?S:.
: define a shorthand compile call
compile='
mc_file=$1;
shift;
case "$usedevel" in $define|true|[yY]*) if $test ! -f "${mc_file}.c"; then
echo "Internal Configure script bug - compiler test file ${mc_file}.c is missing. Please report this to <$maintloc>"
>&4;
exit 1;
fi;
esac;
$cc
 -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs > /dev/null 2>&1;'
: define a shorthand compile call for compilations that should be ok.
compile_ok='
mc_file=$1;
shift;
$cc -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs > /dev/null 2>&1;'
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/Compile.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS:
?X:
?X: This unit is just a quick shorthand for the compile command
?X: to be used in all the other metaconfig units.
```

```
?X:
?MAKE:Compile: +cc +optimize +ccflags +ldflags +libs
?MAKE: -pick add $@ %<
?LINT:define compile compile_ok
?V:compile compile_ok mc_file
?S:compile:
?S: This shell variable is used internally
 by Configure to provide
?S: a convenient shorthand for the typical compile command, namely
?S: $cc $optimize $ccflags $ldflags -o $1 $1.c $libs > /dev/null 2>&1
?S: Note that the output filename does _not_ include the _exe
?S: extension.  Instead we assume that the linker will be
?S: "helpful" and automatically appending the correct suffix.
?S: OS/2 users will apparently need to supply the -Zexe flag to
?S: get this behavior.
?S:
?S: To use this variable, say something like:
?S:  echo 'int main() { exit(0); }' > try.c
?S:  set try
?S:  if eval $compile; then
?S:   echo "success"   # and do whatever . . .
?S:  else
?S:   echo "failure"   # and do whatever . . .
?S:  fi
?S: To add extra flags cc flags (e.g. -DWHATEVER) just put them
?S: in $*, e.g.
?S:  set try -DTRY_THIS_FLAG
?S:.
?S:compile_ok:
?S: This shell variable is used internally by Configure to provide
?S: a convenient shorthand for the typical compile command that you
?S: expect to work ok.  It is the same as $compile,
 except we
?S: deliberately let the user see any error messages.
?S:.
: define a shorthand compile call
compile='
mc_file=$1;
shift;
$cc -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs > /dev/null 2>&1;'
: define a shorthand compile call for compilations that should be ok.
compile_ok='
mc_file=$1;
shift;
$cc -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs;'

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
```

5.38.0/dist/U/Compile.U
No license file was found, but licenses were detected in source scan.

```
/*
* $Id: rename.C,v 3.0.1.1 1994/01/24 13:58:42 ram Exp ram $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* $Log: rename.C,v $
* Revision 3.0.1.1  1994/01/24  13:58:42  ram
* patch16: created
*
*/
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/C/fake/rename.C
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: yacc.U,v $
?RCS: Revision 3.0.1.1  1994/05/13  15:28:48  ram
?RCS: patch27: added byacc as another alternative (ADO)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:10:03  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:yacc yaccflags: Guess Myread Loc Oldconfig byacc bison cat test
?MAKE: -pick add $@ %<
?S:yacc:
?S: This variable holds the name of the compiler compiler we
?S: want to use in the Makefile. It can be yacc, byacc, or bison -y.
?S:.
```

```
?S:yaccflags:
?S: This variable contains any
 additional yacc flags desired by the
?S: user.  It is up to the Makefile to use this.
?S:.
?T:comp
: determine compiler compiler
echo " "
comp='yacc'
if $test -f "$byacc$_exe"; then
 comp="byacc or $comp"
fi
if $test -f "$bison$_exe"; then
 comp="$comp or bison -y"
fi
case "$yacc" in
")
 yacc=`./loc yacc yacc $pth`
 if $test -f "$yacc$_exe"; then
  dflt='yacc'
 elif $test -f "$byacc$_exe"; then
  dflt='byacc'
 elif $test -f "$bison$_exe"; then
  dflt='bison'
 else
  dflt=''
 fi
 ;;
*) dflt="$yacc";;
esac
rp="Which compiler compiler ($comp) shall I use?"
. ./myread
yacc="$ans"
case "$yacc" in
*bis*)
 case "$yacc" in
 *-y*) ;;
 *)
  yacc="$yacc -y"
  echo "(Adding -y option to bison to get yacc-compatible behaviour.)"
  ;;
 esac
 ;;
esac

@if yaccflags
: see if we need extra yacc flags
dflt="$yaccflags"
```

```
case "$dflt" in
") dflt=none;;
esac
$cat <<EOH

Your yacc program may need extra flags to normally process the parser sources.
Do NOT specify any -d or -v flags here, since those are
 explicitly known
by the various Makefiles. However, if your machine has strange/undocumented
options (like -Sr# on SCO to specify the maximum number of grammar rules), then
please add them here.  To use no flags, specify the word "none".

EOH
rp="Any additional yacc flags?"
. ./myread
case "$ans" in
none) yaccflags="";;
*) yaccflags="$ans";;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/yacc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: lib.U,v $
?RCS: Revision 3.0.1.3  1995/09/25  09:16:47  ram
?RCS: patch59: unit is now forced to the top of Configure, if possible
?RCS:
?RCS: Revision 3.0.1.2  1995/01/30  14:38:08  ram
?RCS: patch49: can now handle installation prefix changes (from WED)
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:27:40  ram
?RCS: patch32: now uses installation prefix to set the default
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:56  ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:lib libexp: Getfile
 Loc Oldconfig Prefixit Prefixup prefixexp
?MAKE: -pick add $@ %<
?Y:TOP
?S:lib:
?S: This variable holds the name of the directory in which the user wants
?S: to put public library files for the package in question.  It is most
?S: often a local directory such as /usr/local/lib. Programs using this
?S: variable must be prepared to deal with filename expansion.
?S:.
?S:libexp:
?S: This variable is the same as the lib variable, but is filename expanded
?S: at configuration time, for convenient use in your makefiles.
?S:.
: determine where public libraries go
set lib lib
eval $prefixit
case "$lib" in
")
 dflt=`./loc . "." $prefixexp/lib /usr/local/lib /usr/lib /lib`
 set dflt
 eval $prefixup
 ;;
*)  dflt="$lib";;
esac
echo " "
fn=d~
rp='Where do you want to put the public libraries?'
. ./getfile
lib="$ans"
libexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/lib.U
No license file was found, but licenses were detected in source scan.

Perl5 Metaconfig Units

Copyright (c) 1996-1998, Andy Dougherty
Copyright (c) 1999-2011, H.Merijn Brand
All rights reserved.

These units are the ones used to build Configure and config_h.SH
in the Perl5 distribution.

metaconfig will first look in its standard locations (specified when you installed dist). It will then recurse through the 'U' subdirectory and find any additional "private" units. Private units override standard ones supplied with metaconfig.

Files in this directory:

README
This file.

Glossary.patch
The standard dist units contain some strings that make pod2man complain. This patch silences those warnings. As new units are added and Configure is regenerated, this patch may need more and more 'fuzz' to be applied. It should be freshly regenerated every once in a while. See also mkgloss.pl

ln-all.pl
Re-generate the all/ folder

mkglossary
A script
to regenerate Porting/Glossary. You have to manually edit the top of the script to point the location of your metaconfig units. It is called automatically by 'mksample'. See also mkgloss.pl

mkgloss.pl
A perl script that calls U/mkglossary from the perl source tree, sorts the list of symbols, and applies the patch mentioned in Glossary.patch. When called on its own, redirect the output to a temporary file, and compare that file to Porting/Glossary before applying.

mksample
A script to regenerate Porting/config.sh and Porting/config.H. It also calls mkglossary, if necessary.

Subdirectories:

The units and other related files have been broken up into the following directories.

a_dvisory/
These are units that have to go first in the generated config_h.SH. A word of explanation: Configure and config_h.SH are generated from 'Units' (the *.U files). Files indicate dependencies (using make(1)), and Configure is built to follow those dependencies.
However, config_h.SH is simply built by putting all the units in alphabetical order and

extracting the relevant lines. (This could be fixed, I suppose, but it wasn't trivial the one time I looked.)
The a_dvisory/ directory, then, is a place to put units that need to be early in config_h.SH. (Most units are self-contained and ought to be able to go anywhere. However, some things, like byteorder, need to have the #defines from multiarch available.)

acl/
This is an old patch to begin to detect and use ACL (access control list) file protection schemes.

all/
A folder that conveniently holds symbolic links to all the modules that are used to build the current Configure and config_h.SH.

compline/
These are similar to the standard units, but I have modified them to have a more uniform compile command line, usually using the new Compile.U unit. (The ccflags.U unit is perl-specific since it mentions -DDEBUGGING and
-DPOSIX_SOURCE, but that's the only place
it is perl-specific.)

dist_patches/
These are patches to dist that must be applied before it is built and installed. I have submitted these for inclusion in the regular dist distribution. They have already been applied to the ../dist-3.0at70b directory.

ebcdic/
These are units that had to be specially modified to work under either EBCDIC or ASCII.

installdirs/
These are units to handle perl's installation directories and related issues.

modified/
These are modified versions of the standard units. Also included in this directory are new units that are clearly derived from existing units. I have submitted these for inclusion in the regular dist distribution.

nullified/
These are null units that replace units in the standard distribution. Typically they are there because some part of the perl source accidentally uses a symbol that metaconfig thinks means we want the corresponding

unit.

perl/
These are specific to perl. Some are heavily derived from original dist units, and are marked as such. Others are original.

perl_patches/
These are patches to the perl source. This directory should ordinarily be empty, but there may have been drift between the standard version of perl and the one associated with these units.

protos/
These are units modified to use the new Hasproto.U or Protochk.U units to check for prototypes.

threads/
These are specific to threading perl.

typedefs/
These are standard units modified to use the modified Typedef.U unit to check for typedefs. (The modified Typdef.U includes a function to avoid unnecessary prompts if the typdef being searched for exists.)

Where appropriate, I submitted these units for inclusion into the regular dist distribution. However, since dist is no longer actively maintained, and the alternative is for *me* to actively maintain it, the units just
sit here.

Copyright Information:

Unless otherwise indicated, the files contained in this distribution are:

Copyright (c) 1996-1998, Andy Dougherty

The following licensing terms apply to all files contained in this distribution:

You may distribute the files contained in this distribution under the terms of either

a) the "Artistic License" which comes with Perl, or

b) the "Artistic License" which comes with dist, or

c) the GNU General Public License as published by the Free
Software Foundation; either version 1, or (at your option) any
later version (see the file "Copying" that comes with the
Perl distribution).

Which one to use is your choice.

The units in the "modified" directory have been derived from units
associated with the metaconfig program of Raphael Manfredi's "dist"
distribution. These units list Raphael Manfredi as the Copyright holder.
dist is distributed under a modified version of the Perl Artistic License.
Clause 7 of this modified
license as contained in dist-3.0-pl60 provides:

7. You may reuse parts of this Package in your own programs, provided
that you explicitly state where you got them from, in the source code
(and, left to your courtesy, in the documentation), duplicating
all the associated copyright notices and disclaimers. Besides
your changes, if any, must be clearly marked as such. Parts reused
that way will no longer fall under this license if, and only if,
the name of your program(s) have no immediate connection with the
name of the Package itself or its associated programs. You may then
apply whatever restrictions you wish on the reused parts or choose
to place them in the Public Domain--this will apply only within the
context of your package.

In accordance with this clause, the versions of these units
contained here are made available under the same terms as the
rest of the units.

If you have any questions about the use of these units or about
the differences
between these units and the standard versions, please
feel free to ask.

Andy Dougherty doughera@lafayette.edu
Dept. of Physics
Lafayette College
Easton, PA 18042-1782

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/README
No license file was found, but licenses were detected in source scan.

?RCS: Id
?RCS:

```
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: man3dir.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:10:34  ram
?RCS: patch61: created
?RCS:
?X:
?X: This was originally specific to perl5.  Since perl5 has man pages that
?X: go in both man1/ and man3/ directories, we need both man1dir
?X: and man3dir.  This unit is basically dist's mansrc.U with
?X: man3 used instead of man everywhere.
?X: I then added various tests because perl5 has *lots* of man3
?X: pages with long file names. -- ADO
?X:
?MAKE:man3dir
 man3direxp man3ext installman3dir: afs cat nroff Loc Oldconfig \
 sed man1dir spackage package Getfile prefix Prefixit Prefixup \
 d_flexfnam privlib Myread
?MAKE: -pick add $@ %<
?Y:TOP
?S:man3dir:
?S: This variable contains the name of the directory in which manual
?S: source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?S:man3direxp:
?S: This variable is the same as the man3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?S:installman3dir:
?S: This variable is really the same as man3direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man3direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:man3ext:
?S: This variable contains the extension that the manual
 page should
?S: have: one of 'n', 'l', or '3'.  The Makefile must supply the '.'.
?S: See man3dir.
```

```
?S:.
: determine where library module manual pages go
set man3dir man3dir none
eval $prefixit
$cat <<EOM

$spackage has manual pages for many of the library modules.
EOM

case "$nroff" in
nroff)
 $cat <<'EOM'
However, you don't have nroff, so they're probably useless to you.
EOM
 case "$man3dir" in
 ") man3dir="none";;
 esac;;
esac

case "$d_flexfnam" in
undef)
 $cat <<'EOM'
However, your system can't handle the long file names like File::Basename.3.
EOM
 case "$man3dir" in
 ") man3dir="none";;
 esac;;
esac

echo "If you don't want the manual sources installed, answer 'none'."
?X: We dont use /usr/local/man/man3 because some man programs will
?X: only show the /usr/local/man/man3 contents, and not the system ones,
?X: thus man less will show the perl module less.pm, but not the system
?X: less command.  We might also conflict with TCL man pages.
?X: However, something like /opt/perl/man/man3
 is fine.
case "$man3dir" in
") case "$prefix" in
 *$package*) dflt=`echo $man1dir |
   $sed -e 's/man1/man3/g' -e 's/man\.1/man\.3/g'` ;;
 *) dflt="$privlib/man/man3" ;;
 esac
 ;;
' ') dflt=none;;
*) dflt="$man3dir" ;;
esac
echo " "
```

```
fn=dn+~
rp="Where do the $package library man pages (source) go?"
. ./getfile
if test "X$man3direxp" != "X$ansexp"; then
 installman3dir=''
fi

man3dir="$ans"
man3direxp="$ansexp"
case "$man3dir" in
'') man3dir=' '
 installman3dir='';;
esac
if $afs; then
 $cat <<EOM

Since you are running AFS, I need to distinguish the directory in which
manual pages reside from the directory in which they are installed (and from
which they are presumably copied to the former directory by occult means).

EOM
 case "$installman3dir" in
 '') dflt=`echo $man3direxp | sed 's#^/afs/#/afs/.#'`;;
 *) dflt="$installman3dir";;
 esac
 fn=de~
 rp='Where will man pages be installed?'
 . ./getfile
 installman3dir="$ans"
else
 installman3dir="$man3direxp"
fi

: What suffix
 to use on installed man pages

case "$man3dir" in
' ')
 man3ext='0'
 ;;
*)
 rp="What suffix should be used for the $package library man pages?"
 case "$man3ext" in
 '') case "$man3dir" in
  *3)  dflt=3 ;;
  *3p) dflt=3p ;;
  *3pm) dflt=3pm ;;
  *l) dflt=l;;
```

```
  *n) dflt=n;;
  *o) dflt=o;;
  *p) dflt=p;;
  *C) dflt=C;;
  *L) dflt=L;;
  *L3) dflt=L3;;
  *) dflt=3;;
  esac
  ;;
 *) dflt="$man3ext";;
 esac
 . ./myread
 man3ext="$ans"
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/man3dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: shm_for.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: shm_for.U,v $
?RCS: Revision 3.0.1.1  1994/10/29  16:28:37  ram
?RCS: patch36: call ./Cppsym explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:46  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:shm_for shm_att shm_lim: Cppsym Myread ipc uname
?MAKE: -pick add $@ %<
?S:shm_for:
?S: This variable tells us the type of machine we're expecting the
?S: shared memory code to run on.  The value is available to C
 programs
?S: in the C_SHM_FOR manifest.
?S:.
?S:shm_att:
?S: This variable tells us where a shared memory segment should be
```

```
?S: attached.  Good values are HIGH, LOW, and ZERO.
?S:.
?S:shm_lim:
?S: This variable tells us if shared memory attached HIGH should
?S: have an upper limit.
?S:.
?X: ----------------------------------------------------------
?X: It's a potential lose to define anything beginning with SHM...
?X: At least we can think that S_ stands for "String version of ..." -- HMS
?X: ----------------------------------------------------------
?C:S_SHM_FOR ~ %<:
?C: This symbol identifies what we chose for the target system's
?C: default shared memory configuration parameters.
?C:.
?C:S_SHM_ATT ~ %<:
?C: This symbol holds the default "place" to attach shared memory.
?C: Values are "HIGH", "ZERO", and "LOW".
?C:.
?C:S_SHM_LIM ~ %<:
?C: This symbol holds the default upper bound address limit if shared
?C: memory is attached HIGH.  If zero, there is no upper limit.
?C:.
?H:?%<:#ifdef
 SERVE_SHM
?H:?%<:#define S_SHM_FOR "$shm_for"
?H:?%<:#define S_SHM_ATT "$shm_att"
?H:?%<:#define S_SHM_LIM "$shm_lim"
?H:?%<:#endif
?H:.
?W:%<:S_SHM_FOR S_SHM_ATT S_SHM_LIM
: see how to attach shared memory
echo " "
echo "Deciding how to attach shared memory..." >&4

case "$ipc" in
shm)
 shm_for='Default case'
 shm_att='HIGH'
 shm_lim='0x0'
 if ./Cppsym tower32 tower32_600; then
  echo "NCR Towers are usually normal..."
  : echo "Oh, an NCR Tower."
  : This works for the 600
  shm_for='NCR Tower 32'
  shm_att='LOW'
 else
  case "$uname" in
  */uname)
```

```
  case "`uname -m`" in
  ACS??68*)
   echo "Oh, an Altos 3068."
   shm_for='Altos 3068:'
   shm_lim='0x800000'
   ;;
   esac
   ;;
 *)
  echo "Looks normal to me..."
  ;;
 esac
fi

dflt="$shm_for"
rp='Description of shared memory configuration?'
. ./myread
shm_for="$ans"

dflt="$shm_att"
rp='Where should shared memory be attached?'
. ./myread
shm_att="$ans"

case "$shm_att" in
HIGH)
 dflt="$shm_lim"
 rp='What is
the upper address limit for shared memory?'
 . ./myread
 shm_lim="$ans"
 ;;
*)
 shm_lim=''
 ;;
esac
;;

*)
 echo "but you aren't using shared memory so I won't bother." >&4
 shm_for='NOT CONFIGURED'
 shm_att='NONE'
 shm_lim='-1'
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/dist/U/shm_for.U
No license file was found, but licenses were detected in source scan.

* Feel free to modify any of this as the need arises. Note, however,

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/metaconfig.html
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999, Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:full_ar: ar
?MAKE: -pick add $@ %<
?S:full_ar:
?S: This variable contains the full pathname to 'ar', whether or
?S: not the user has specified 'portability'.  This is only used
?S: in the Makefile.SH.
?S:.
: Store the full pathname to the ar program for use in the C program
: Respect a hint or command line value for full_ar.
case "$full_ar" in
") full_ar=$ar ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/Loc_ar.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Extractall.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
```

```
?RCS: $Log: Extractall.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:00:43  ram
?RCS: patch61: created
?RCS:
?X:
?X: If extraction has been requested, load the configuration file, perform
?X: the extraction and exit.
?X:
?X: This unit was originally a part of Options.U. It had to be removed from
?X: it to prevent a dependency cycle: Extract -> src -> Options -> Extract
?X: The Begin.U unit now requires us before beginning to do anything
?X: interesting, to ensure
 proper semantics. -- RAM, 15/03/96
?X:
?MAKE:Extractall: Extract Options
?MAKE: -pick wipe $@ %<
: extract files and exit if asked to do so
case "$extractsh" in
true)
?X: Undo the forced silent=true when -S was supplied, by probing realsilent
?X: which was set iff -s was also given. See Options.U for details.
 case "$realsilent" in
 true) ;;
 *) exec 1>&4;;
 esac
 case "$config_sh" in
 ") config_sh='config.sh';;
 esac
 echo " "
 echo "Fetching answers from $config_sh..."
 cd ..
 . $config_sh
?X: extract has to be run from the top directory, not within UU.
 . UU/optdef.sh
 echo " "
?X: extract has to be run from the top directory, not within UU.
 . UU/extract
 rm -rf UU
 echo "Extraction done."
 exit 0
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Extractall.U
No license file was found, but licenses were detected in source scan.

```
# Yes, you may rip this off to use in other distribution packages. This
# script belongs to the public domain and cannot be copyrighted.
#
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Head.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Head.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Myread.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Myread.U,v $
?RCS: Revision 3.0.1.6  1997/02/28  15:05:39  ram
?RCS: patch61: myread script now starts with a "startsh"
?RCS: patch61: miscellaneous fixes
?RCS:
?RCS: Revision 3.0.1.5  1995/01/11  15:14:22  ram
?RCS: patch45: added & escape allowing user to turn on -d from the prompt
?RCS:
?RCS: Revision 3.0.1.4  1994/10/31  09:48:04  ram
?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U
?RCS:
?RCS: Revision 3.0.1.3  1994/10/29
  15:56:20  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0.1.2  1993/08/30  08:57:59  ram
?RCS: patch8: added new visible 'nostick' symbol, mainly for Finish.U
?RCS:
?RCS: Revision 3.0.1.1  1993/08/27  14:39:20  ram
?RCS: patch7: now sticks to the question when no default and empty answer
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:08  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in in order
?X: to do a read.  It allows for shell escapes, default assignment and
```

```
?X: parameter evaluation.
?X:
?X: To use this unit, $rp and $dflt must hold the question and the
?X: default answer. The question will be printed by the script itself.
?X: Neither $rp nor $dflt is altered by the script.
?X:
?X: The myread script will stick to the question if no default is proposed
?X: and the user answer is empty, which prevents mistakes. However, at the
?X: end of Configure, there is an exception
 to this rule (Finish.U) where we
?X: set nostick to a non-empty value to allow the Return key to play its role!
?X:
?MAKE:Myread: Options startsh n c trnl
?MAKE: -pick add $@ %<
?V:ans:dflt rp nostick
?F:./myread
?T:COLUMNS xxxm rp dflt answ aok myecho
?LINT:change fastread
?X: Some shells (Ultrix) do not understand ${COLUMNS:-80}, sigh!
: compute the number of columns on the terminal for proper question formatting
case "$COLUMNS" in
") COLUMNS='80';;
esac

: set up the echo used in my read
?X:
?X: This variable is intended to be eval'ed. It will echo the two
?X: variables $rp and $dflt (provided this latter has a non null value).
?X: It is mainly used by the myread script to echo the questions.
?X:
?X: The $n and $c below are substituted before Loc does its silly echo check
?X: so don't put a $ on the echo below so we get builtin, even if $echo is
?X: pointing to /bin/echo.
?X:
myecho="case \"\$xxxm\" in
") echo $n \"\$rp $c\" >&4;;
*) case \"\$rp\" in
 ") echo $n \"[\$xxxm] $c\";;
 *)
  if
 test \`echo \"\$rp [\$xxxm]  \" | wc -c\` -ge $COLUMNS; then
   echo \"\$rp\" >&4
   echo $n \"[\$xxxm] $c\" >&4
  else
   echo $n \"\$rp [\$xxxm] $c\" >&4
  fi
  ;;
 esac;;
```

```
esac"

: now set up to do reads with possible shell escape and default assignment
cat <<EOSC >myread
$startsh
?X:
?X: Save value of default -- do not alter original in case of eval
?X:
xxxm=\$dflt
$myecho
?X:
?X: If there is no default, then stop, regardless of the value in fastread.
?X: In silent mode, no new-line is to be echoed if the question is empty,
?X: since this is used to wait for the "return" key.
?X:
ans='!'
case "\$fastread" in
yes) case "\$dflt" in
 ") ;;
 *) ans=";
  case "\$silent-\$rp" in
  true-) ;;
  *) echo " " >&4;;
  esac;;
 esac;;
*) case "\$silent" in
 true) case "\$rp" in
  ") ans=";;
  esac;;
 esac;;
esac
while expr "X\$ans" : "X!" >/dev/null; do
 read answ
?X:
?X: Run 'eval' on the answer, in order to do variable substitution, in case
?X: the user types $HOME or $WHATEVER.
 Variables must be evaluated now.
?X: Typing '\$HOME' won't currently prevent from substitution -- use '\\$HOME'
?X: The $1 .. $9 and $*, as well as $@, are available to refer to the
?X: default value.
?X:
 set x \$xxxm
 shift
 aok=''; eval "ans=\\"\$answ\\"" && aok=y
 case  "\$answ" in
?X:
?X: Use "!" and not a plain ! because of a bug in BSD 4.4 shell
?X: (reported by Wayne Davison)
```

```
?X: We must handle the shell escapes before dealing with possible variable
?X: substitution, since the shell we're launching in that case will be able
?X: to do it as well as we can -- RAM, 15/03/96
?X
 "!")
  sh 1>&4
  echo " "
  $myecho
  ;;
 !*)
  set x \`expr "X\$ans" : "X!\(.*\)\$"\`
  shift
  sh 1>&4 -c "\$*"
  echo " "
  $myecho
  ;;
 "\$ans")
  case "\$ans" in
?X:
?X: Answers starting with & are hooks allowing to dynamically turn on/off
?X: some Configure options. That's for the future. -- RAM, 09/01/95
?X: Today, we only recognize '& -d' to mean 'go on as if Configure -d, which
?X: is a hardwired
 behaviour compatible with our general scheme.
?X:
  \\&*)
   set x \`expr "X\$ans" : "X&\(.*\)\$"\`
   shift
   case "\$1" in
   -d)
    fastread=yes
    echo "(OK, I'll run with -d after this question.)" >&4
    ;;
   -*)
    echo "*** Sorry, \$1 not supported yet." >&4
    ;;
   esac
   $myecho
   ans=!
   ;;
  esac;;
 *)
  case "\$aok" in
  y)
   echo "*** Substitution done -- please confirm."
   xxxm="\$ans"
   ans=\`echo $n "\$ans$c" | tr '$trnl' ' '\`
   xxxm="\$ans"
```

```
  ans=!
  ;;
 *)
  echo "*** Error -- try again."
  ans=!
  ;;
 esac
 $myecho
 ;;
esac
?X: Stick in myread if no default answer and nothing was answered
 case "\$ans\$xxxm\$nostick" in
 ")
  ans=!
  $myecho
  ;;
 esac
done
case "\$ans" in
") ans="\$xxxm";;
esac
EOSC
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Myread.U
No license file was found, but licenses were detected in source scan.

```
/*
* $Id: dup2.C,v 3.0.1.1 1994/01/24 13:58:37 ram Exp ram $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* Original Author: Larry Wall <lwall@netlabs.com>
*
* $Log: dup2.C,v $
* Revision 3.0.1.1  1994/01/24  13:58:37  ram
* patch16: created
*
*/
```

Found in path(s):

* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/C/fake/dup2.C
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1998, Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?X:
?X: Useless unit dropped.  Use randfunc instead.
?X:
?LINT:empty
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/randbits.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?X: This unit generates a $hasfield string that is used internally
?X: by Configure to check if this system has a field for a
?X: particular struct (of if this system has a particular struct!)
?X:
?X: To use it, say something like:
?X:  set d_statblocks stat st_blocks i_sysstat sys/stat.h
?X:  eval $hasfield
?X: Or, for more complicated sets of headers, do something like
?X: hdrs="$define sys/foo.h
?X:  $i_sysbar sys/bar.h
?X:  $i_syszot sys/zot.h
?X:  $i_zappa zappa.h"
?X: set d_statblocks stat st_blocks $hdrs
?X: eval $hasfield
?X:
?MAKE:Hasfield: Setvar rm_try test Compile
?MAKE: -pick add $@ %<
?T:varname struct field
```

```
?V:hasfield
: Define hasfield macro for Configure internal use
hasfield='varname=$1;
 struct=$2; field=$3; shift; shift; shift;
while $test $# -ge 2; do
 case "$1" in
 $define) echo "#include <$2>";;
 esac ;
   shift 2;
done > try.c;
echo "int main () { struct $struct foo; char* bar; bar = (char*)foo.$field; }" >> try.c;
set try;
if eval $compile; then
 val="$define";
else
 val="$undef";
fi;
set $varname;
eval $setvar;
$rm_try'
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/protos/Hasfield.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Chk_MANI.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Chk_MANI.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  14:57:25  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.1  1994/10/31  09:33:14  ram
?RCS: patch44: now lists Begin instead of Myinit in its dependencies
?RCS: patch44: leading comment now explains how this unit is included
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:45  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
```

```
?X: This unit checks the package by making sure
 every file listed in MANIFEST
?X: is present. It is systematically "included" via the Finish unit (which
?X: is always present in every Configure script), although it may result in
?X: an empty inclusion when no MANIFEST is present.
?X:
?MAKE:Chk_MANI: Begin c n rsrc
?MAKE: -pick wipe $@ %<
?T:filelist ans tmppwd
?X: This check happens at metaconfig-time, so it's ok to hard-code the path.
@if {test -f ../MANIFEST}
: Now test for existence of everything in MANIFEST
echo " "
if test -f "$rsrc/MANIFEST"; then
 echo "First let's make sure your kit is complete.  Checking..." >&4
?X:
?X: Files spelled uppercased and beginning with PACK are produced by the
?X: shell archive builder and may be removed by the user. Usually, they are
?X: not listed in the MANIFEST file, but you never know...
?X:
?X: "split -l" is the new way of running a split, but we also try the older way
?X:
 awk '$1 !~ /PACK[A-Z]+/ {print $1}' "$rsrc/MANIFEST" | \
  (split -l 50 2>/dev/null || split -50)
 rm -f missing
 tmppwd=`pwd`
 for
 filelist in x??; do
  (cd "$rsrc"; ls `cat "$tmppwd/$filelist"` \
   >/dev/null 2>>"$tmppwd/missing")
 done
 if test -s missing; then
  cat missing >&4
  cat >&4 <<'EOM'

THIS PACKAGE SEEMS TO BE INCOMPLETE.

You have the option of continuing the configuration process, despite the
distinct possibility that your kit is damaged, by typing 'y'es.  If you
do, don't blame me if something goes wrong.  I advise you to type 'n'o
and contact the author (<MAINTLOC>).

EOM
?X: Can't use $echo at this early stage
  echo $n "Continue? [n] $c" >&4
  read ans
  case "$ans" in
  y*)
```

```
   echo "Continuing..." >&4
   rm -f missing
   ;;
  *)
?X:
?X: Use kill and not exit, so that the trap gets executed to clean up
?X:
   echo "ABORTING..." >&4
   kill $$
   ;;
  esac
 else
  echo "Looks good..."
 fi
else
 echo "There is no MANIFEST file.  I hope your kit is complete !"
fi
rm -f missing x??

@end
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Chk_MANI.U
No license file was found, but licenses were detected in source scan.

```
/* $Id: Jmake.rules 18 2006-12-27 10:35:09Z rmanfredi $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* $Log: Jmake.rules,v $
* Revision 3.0.1.7  2004/08/22 08:28:58  ram
* patch71: random cleanup
*
* Revision 3.0.1.6  1997/02/28  14:56:01  ram
* patch61: now handles USRINC for dependencies
* patch61: smarter about dependencies computation
*
* Revision 3.0.1.5  1995/09/25  09:07:19  ram
* patch59: smarter sed command to strip /usr/include dependencies
*
* Revision 3.0.1.4  1995/07/25  13:33:59  ram
```

```
* patch56: install of script man pages can now cope with missing files
* patch56: the clobber
 target now removes the .config directory as well
*
* Revision 3.0.1.3  1995/03/21  08:35:28  ram
* patch52: suppressed extra argument to NormalProgramTarget call
*
* Revision 3.0.1.2  1995/01/11  14:49:55  ram
* patch45: new macros ShellScriptTargetExt and SimpleShellScriptTargetExt
* patch45: directory installation is now made via INSTALLDIR (Configure)
*
* Revision 3.0.1.1  1994/10/29  15:46:30  ram
* patch36: added RemoteDependency rule
*
* Revision 3.0  1993/08/18  12:04:14  ram
* Baseline for dist 3.0 netwide release.
*
*/
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/files/Jmake.rules
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorman3dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999-2000, Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: vendorman3dir.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:vendorman3dir vendorman3direxp installvendorman3dir: man3dir Getfile \
 Oldconfig Setprefixvar Prefixit test vendorprefix prefix sed
?MAKE: -pick add $@ %<
?Y:TOP
?S:vendorman3dir:
?S: This variable contains the name of the directory for man3
?S: pages.  It may have a ~ on the front.
?S: The standard distribution will put nothing in this directory.
?S: Vendors
```

```
 who distribute perl may wish to place their own
?S: man3 pages in this directory with
?S:  MakeMaker Makefile.PL INSTALLDIRS=vendor
?S: or equivalent.  See INSTALL for details.
?S:.
?S:vendorman3direxp:
?S: This variable is the ~name expanded version of vendorman3dir, so that you
?S: may use it directly in Makefiles or shell scripts.
?S:.
?D:installvendorman3dir=''
?S:installvendorman3dir:
?S: This variable is really the same as vendorman3direxp but may differ on
?S: those systems using AFS. For extra portability, only this variable
?S: should be used in makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installvendorman3dir
: Set the vendorman3dir variables
case "$vendorprefix" in
'') vendorman3dir=''
 vendorman3direxp=''
 ;;
*) : determine where vendor-supplied module manual pages go.
 case "$vendorman3dir" in
 '') dflt=`echo "$man3dir" | $sed "s#^$prefix#$vendorprefix#"` ;;
 *) dflt=$vendorman3dir ;;
 esac
 case "$dflt" in
 '|' ') dflt=none ;;
 esac
 fn=nd~+
 rp='Pathname
 for the vendor-supplied manual section 3 pages?'
 . ./getfile
 vendorman3dir="$ans"
 vendorman3direxp="$ansexp"
 ;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorman3dir" = "X" && vendorman3dir=' '
prefixvar=vendorman3dir
. ./installprefix
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorman3dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: h_sysfile.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: h_sysfile.U,v $
?RCS: Revision 3.0  1993/08/18  12:08:13  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:h_sysfile: Nothing
?MAKE: -pick add $@ %<
?S:h_sysfile:
?S: This is variable gets set in various places to tell i_sys_file that
?S: <sys/file.h> should be included.
?S:.
: Initialize h_sysfile
h_sysfile=false
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/h_sysfile.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Thomas Neumann <tom@smart.bo.open.de>
?RCS:
?RCS: $Log: Findhdr.U,v $
?RCS: Revision 3.0.1.2  1994/10/29  15:53:08  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  14:03:56  ram
?RCS: patch23: cppminus must be after other cppflags, not before
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:54  ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a findhdr script which is used to locate the header
?X: files
 in $usrinc or other stranger places using cpp capabilities. The
?X: script is given an include file base name, like 'stdio.h' or 'sys/file.h'
?X: and it returns the full path of the include file and a zero status or an
?X: empty string with an error status if the file could not be located.
?X:
?MAKE:Findhdr: grep test tr rm +usrinc awk cat startsh \
 cppstdin cppminus +cppflags eunicefix osname
?MAKE: -pick add $@ %<
?LINT:define fieldn
?S:fieldn:
?S: This variable is used internally by Configure. It contains the position
?S: of the included file name in cpp output. That is to say, when cpp
?S: pre-processes a #include <file> line, it replaces it by a # line which
?S: contains the original position in the input file and the full name of
?S: included file, between "quotes".
?S:.
?V:fieldn
?F:./findhdr !fieldn
?T:cline pos wanted name awkprg cppfilter testaccess status usrincdir
: determine filename position in cpp output
echo " "
echo "Computing filename position in cpp output for #include
 directives..." >&4
echo '#include <stdio.h>' > foo.c
case "$osname" in
vos)
 testaccess=-e
?X: VOS: path component separator is >
 cppfilter="tr '\\\\>' '/' |"
 ;;
*)
 testaccess=-r
 cppfilter="
 ;;
esac
$cat >fieldn <<EOF
$startsh
$cppstdin $cppflags $cppminus <foo.c 2>/dev/null | \
$grep '^[  ]*#.*stdio\.h' | \
while read cline; do
 pos=1
 set \$cline
 while $test \$# -gt 0; do
```

```
  if $test $testaccess \`echo \$1 | $tr -d ""\`; then
   echo "\$pos"
   exit 0
  fi
  shift
  pos=\`expr \$pos + 1\`
 done
done
EOF
chmod +x fieldn
fieldn=`./fieldn`
$rm -f foo.c fieldn
case $fieldn in
") pos='???';;
1) pos=first;;
2) pos=second;;
3) pos=third;;
*) pos="${fieldn}th";;
esac
echo "Your cpp writes the filename in the $pos field of the line."

?X: To locate a header file, we cannot simply check for $usrinc/file.h, since
?X: some machine have the headers in weird places and our only hope is that
?X: the C pre-processor will know how to find those headers. Thank you NexT!
: locate header file
$cat
 >findhdr <<EOF
$startsh
wanted=\$1
name=''
for usrincdir in $usrinc; do
 if test -f \$usrincdir/\$wanted; then
  echo "\$usrincdir/\$wanted"
  exit 0
 fi
done
awkprg='{ print \$$fieldn }'
echo "#include <\$wanted>" > foo\$\$.c
$cppstdin $cppminus $cppflags < foo\$\$.c 2>/dev/null | \
$cppfilter $grep "^[  ]*#.*\$wanted" | \
while read cline; do
 name=\`echo \$cline | $awk "\$awkprg" | $tr -d ""\`
 case "\$name" in
 *[/\\\\]\$wanted) echo "\$name"; exit 1;;
 *[\\\\/]\$wanted) echo "\$name"; exit 1;;
 *) exit 2;;
 esac
done
```

```
?X: status = 0: grep returned 0 lines, case statement not executed
?X: status = 1: headerfile found
?X: status = 2: while loop executed, no headerfile found
status=\$?
$rm -f foo\$\$.c
if test \$status -eq 1; then
 exit 0
fi
exit 1
EOF
chmod +x findhdr
$eunicefix findhdr
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Findhdr.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: lintlib.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: lintlib.U,v $
?RCS: Revision 3.0  1993/08/18  12:09:05  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:lintlib lintlibexp: Getfile Loc Oldconfig
?MAKE: -pick add $@ %<
?S:lintlib:
?S: This variable holds the name of the directory in which the user wants
?S: to put public lint-library files for the package in question.  It is
?S: most often a local directory such as /usr/local/lib/lint. Programs using
?S: this variable must be prepared to
 deal with ~name expansion.
?S:.
?S:lintlibexp:
?S: This variable is the same as the lintlib variable, but is filename
?S: expanded at configuration time, for convenient use in your makefiles.
?S:.
: determine where public lint libraries go
case "$lintlib" in
") dflt=`./loc . "." /usr/local/lib/lint /usr/lib/lint /usr/lib`;;
```

```
*) dflt="$lintlib" ;;
esac
echo " "
fn=d~
rp='Where do you want to put the public lint libraries?'
. ./getfile
lintlib="$ans"
lintlibexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/lintlib.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libc.U,v $
?RCS: Revision 3.0.1.10  1997/02/28  15:56:48  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS: patch61: added support for HPUX-10 nm output
?RCS:
?RCS: Revision 3.0.1.9  1995/07/25  14:11:56  ram
?RCS: patch56: now knows about OS/2 platforms
?RCS:
?RCS: Revision 3.0.1.8  1995/05/12  12:20:47  ram
?RCS: patch54: made sure only most recent version of shared lib is picked
?RCS: patch54: final "nm -p" check now uses xscan and xrun
 like everybody
?RCS: patch54: can now grok Linux nm output with lead __IO (ADO)
?RCS: patch54: added support for Linux ELF output, using 'W' for alias (ADO)
?RCS:
?RCS: Revision 3.0.1.7  1994/10/29  16:23:40  ram
?RCS: patch36: now looks for shared libraries before anything else (ADO)
?RCS: patch36: added new nm output format (ADO)
?RCS:
?RCS: Revision 3.0.1.6  1994/08/29  16:28:10  ram
?RCS: patch32: added I-type symbols for nm output parsing on Linux
?RCS:
?RCS: Revision 3.0.1.5  1994/06/20  07:03:24  ram
?RCS: patch30: checks are now presented by succession of if/elif
```

```
?RCS: patch30: uniformized checks for shared objects with new so symbol
?RCS:
?RCS: Revision 3.0.1.4  1994/05/06  15:06:33  ram
?RCS: patch23: added shared library knowledge (ADO and WED)
?RCS:
?RCS: Revision 3.0.1.3  1994/01/24  14:12:17  ram
?RCS: patch16: can now export nm_extract as an internal-use only variable
?RCS:
?RCS: Revision 3.0.1.2  1993/09/13  16:09:03  ram
?RCS: patch10: added special handling for Apollo
 systems (WAD)
?RCS:
?RCS: Revision 3.0.1.1  1993/08/27  14:40:03  ram
?RCS: patch7: added entry for /usr/shlib/libc.so (OSF/1 machines)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:57  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libc +nm_extract: echo n c rm test grep Getfile Myread Oldconfig Loc \
 sed libs incpath libpth ar runnm nm nm_opt nm_so_opt contains xlibpth \
 so _a _o osname trnl tr sort uniq sysroot
?MAKE: -pick add $@ %<
?S:libc:
?S: This variable contains the location of the C library.
?S:.
?S:nm_extract:
?S: This variable holds the name of the extraction command used to process
?S: the output of nm and yield the list of defined symbols. It is used
?S: internally by Configure.
?S:.
?T:thislib try libnames xxx xscan xrun thisname com tans file
?F:!libnames !libc.tmp !tmp.imp
?LINT:extern PASE
?LINT:extern libnames
?LINT:change nm_opt
?INIT:libnames=''
: Figure out where the libc is located
case "$runnm" in
true)
?X: indentation is wrong on purpose--RAM
:
 get list of predefined functions in a handy place
echo " "
case "$libc" in
'') libc=unknown
 case "$libs" in
 *-lc_s*) libc=`./loc libc_s$_a $libc $libpth`
 esac
```

```
 ;;
esac
case "$libs" in
") ;;
*)  for thislib in $libs; do
 case "$thislib" in
 -lc|-lc_s)
  : Handle C library specially below.
  ;;
 -l*)
  thislib=`echo $thislib | $sed -e 's/^-l//'`
  if try=`./loc lib$thislib.$so.'*' X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib.$so X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib$_a X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc $thislib$_a X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc $thislib X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc Slib$thislib$_a X $xlibpth`; $test -f "$try"; then
   :
  else
   try="
  fi
  libnames="$libnames $try"
  ;;
 *) libnames="$libnames $thislib" ;;
 esac
 done
 ;;
esac
?X:
?X: Some systems (e.g. DG/UX) use
 "environmental" links, which make the test
?X: -f fail. Ditto for symbolic links. So in order to reliably check the
?X: existence of a file, we use test -r. It will still fail with DG/UX links
?X: though, but at least it will detect symbolic links. At some strategic
?X: points, we make use of (test -h), using a sub-shell in case builtin test
?X: does not implement the -h check for symbolic links. This makes it
?X: possible to preset libc in a hint file for instance and have it show up
?X: as-is in the question.
?X:
xxx=normal
case "$libc" in
```

```
unknown)
?X:
?X: The sed below transforms .so.9 .so.12 into something like .so.0009 .so.0012,
?X: then sorts on it to allow keeping .so.12 instead of .so.9 as the latest
?X: up-to-date library. The initial filename (before sed munging, saved in hold
?X: space via 'h') is appended via 'G' before sorting, then the leading munged
?X: part is removed after sorting. Nice efficient work from Tye McQueen.
?X: The initial blurfl is here to prevent the trailing
 pipe from producing an
?X: empty string, causing Configure to output all its set variables!
?X:
 set /lib/libc.$so
 for xxx in $libpth; do
  $test -r $1 || set $xxx/libc.$so
  : The messy sed command sorts on library version numbers.
  $test -r $1 || \
   set `echo blurfl; echo $xxx/libc.$so.[0-9]* | \
   tr ' ' $trnl | egrep -v '\.[A-Za-z]*$' | $sed -e '
    h
    s/[0-9][0-9]*/0000&/g
    s/0*\([0-9][0-9][0-9][0-9][0-9]\)/\1/g
    G
    s/\n/ /' | \
    $sort | $sed -e 's/^.* //'`
  eval set \$$#
 done
 $test -r $1 || set $sysroot/usr/ccs/lib/libc.$so
 $test -r $1 || set $sysroot/lib/libsys_s$_a
 ;;
*)
?X: ensure the test below for the (shared) C library will fail
 set blurfl
 ;;
esac
if $test -r "$1"; then
 echo "Your (shared) C library seems to be in $1."
 libc="$1"
elif $test -r /lib/libc && $test -r /lib/clib; then
?X:
?X: Apollo has its C library in /lib/clib AND /lib/libc
?X: not to mention its math library in /lib/syslib...
?X:
 echo "Your C library seems to be in both /lib/clib
 and /lib/libc."
 xxx=apollo
 libc='/lib/clib /lib/libc'
 if $test -r /lib/syslib; then
  echo "(Your math library is in /lib/syslib.)"
```

```
?X: Put syslib in libc -- not quite right, but won't hurt
  libc="$libc /lib/syslib"
 fi
elif $test -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
 echo "Your C library seems to be in $libc, as you said before."
?X: For mips, and...
elif $test -r $incpath/usr/lib/libc$_a; then
 libc=$incpath/usr/lib/libc$_a;
 echo "Your C library seems to be in $libc.  That's fine."
elif $test -r /lib/libc$_a; then
 libc=/lib/libc$_a;
 echo "Your C library seems to be in $libc.  You're normal."
else
 if tans=`./loc libc$_a blurfl/dyick $libpth`; $test -r "$tans"; then
  :
 elif tans=`./loc libc blurfl/dyick $libpth`; $test -r "$tans"; then
  libnames="$libnames "`./loc clib blurfl/dyick $libpth`
 elif tans=`./loc clib blurfl/dyick $libpth`; $test -r "$tans"; then
  :
 elif tans=`./loc Slibc$_a blurfl/dyick $xlibpth`; $test -r "$tans"; then
  :
 elif tans=`./loc
 Mlibc$_a blurfl/dyick $xlibpth`; $test -r "$tans"; then
  :
 else
  tans=`./loc Llibc$_a blurfl/dyick $xlibpth`
 fi
 if $test -r "$tans"; then
  echo "Your C library seems to be in $tans, of all places."
  libc=$tans
 else
  libc='blurfl'
 fi
fi
if $test $xxx = apollo -o -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
 dflt="$libc"
 cat <<EOM

If the guess above is wrong (which it might be if you're using a strange
compiler, or your machine supports multiple models), you can override it here.

EOM
else
 dflt="
 echo $libpth | $tr ' ' $trnl | $sort | $uniq > libpath
 cat >&4 <<EOM
I can't seem to find your C library.  I've looked in the following places:
```

```
EOM
 $sed 's/^/ /' libpath
 cat <<EOM

None of these seems to contain your C library. I need to get its name...

EOM
fi
fn=f
rp='Where is your C library?'
. ./getfile
libc="$ans"

echo " "
echo $libc $libnames | $tr ' ' $trnl | $sort | $uniq > libnames
set X `cat libnames`
shift
xxx=files
case $# in 1) xxx=file; esac
echo
 "Extracting names from the following $xxx for later perusal:" >&4
echo " "
$sed 's/^/ /' libnames >&4
echo " "
$echo $n "This may take a while...$c" >&4

?X:
?X: Linux may need the special Dynamic option to nm for shared libraries.
?X: In general, this is stored in the nm_so_opt variable.
?X: Unfortunately, that option may be fatal on non-shared libraries.
?X:
for file in $*; do
 case $file in
 *$so*) $nm $nm_so_opt $nm_opt $file 2>/dev/null;;
 *) $nm $nm_opt $file 2>/dev/null;;
 esac
done >libc.tmp

$echo $n ".$c"
?X:
?X: To accelerate processing, we look at the correct 'sed' command
?X: by using a small subset of libc.tmp, i.e. fprintf function.
?X: When we know which sed command to use, do the name extraction
?X:
$grep fprintf libc.tmp > libc.ptf
?X:
?X: In order to enhance readability and save some space, we define
?X: some variables that will be "eval"ed.
```

```
?X:
xscan='eval "<libc.ptf $com >libc.list"; $echo $n ".$c" >&4'
xrun='eval "<libc.tmp $com >libc.list"; echo "done." >&4'
?X:
 BSD-like output, I and W types added for Linux
?X: Some versions of Linux include a leading __IO in the symbol name.
?X: HP-UX 10 reportedly has trailing spaces, though I'm surprised it has
?X: BSD-like output.  (AD).
?X: GNU extension: i is "indirect function"
xxx='[ADTSIWi]'
if com="$sed -n -e 's/__IO//' -e 's/^.* $xxx  *//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: SYSV-like output
elif com="$sed -n -e 's/^__*//' -e 's/^\([a-zA-Z_0-9$]*\).*xtern.*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e '/|UNDEF/d' -e '/FUNC..GL/s/^.*|__*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.* D __*//p' -e 's/^.* D //p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^_//' -e 's/^\([a-zA-Z_0-9]*\).*xtern.*text.*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$'
 libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|FUNC |GLOB .*|//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$grep '|' | $sed -n -e '/|COMMON/d' -e '/|DATA/d' \
    -e '/ file/d' -e 's/^\([^  ]*\).*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|FUNC |GLOB .*|//p' -e 's/^.*|FUNC |WEAK .*|//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: mips nm output (sysV)
elif com="$sed -n -e 's/^__//' -e '/|Undef/d' -e '/|Proc/s/ .*//p'";\
 eval $xscan;\
```

```
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|Proc .*|Text *| *//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e '/Def. Text/s/.* \([^ ]*\)\$/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: OS/2
 nm output
elif com="$sed -n -e 's/^[-0-9a-f ]*_\(.*\)=.*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/.*\.text n\ \ \ \.//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: AIX nm output
elif com="sed -n -e 's/^__.*//' -e 's/[       ]*D[    ]*[0-9]*.*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
else
 $nm -p $* 2>/dev/null >libc.tmp
 $grep fprintf libc.tmp > libc.ptf
 if com="$sed -n -e 's/^.* [ADTSIW]  *_[_.]*//p' -e 's/^.* [ADTSIW] //p'";\
  eval $xscan; $contains '^fprintf$' libc.list >/dev/null 2>&1
 then
  nm_opt='-p'
  eval $xrun
 else
  echo " "
  echo "$nm didn't seem to work right. Trying $ar instead..." >&4
  com="
  if $ar t $libc > libc.tmp && \
   $contains '^fprintf$' libc.tmp >/dev/null 2>&1
  then
   for thisname in $libnames $libc; do
    $ar t $thisname >>libc.tmp
   done
   $sed -e "s/\\$_o\$//" < libc.tmp > libc.list
   echo
 "Ok." >&4
  elif test "X$osname" = "Xos2" && $ar tv $libc > libc.tmp; then
?X: Repeat libc to extract forwarders to DLL entries too
```

```
   for thisname in $libnames $libc; do
    $ar tv $thisname >>libc.tmp
?X: Revision 50 of EMX has bug in ar: it will not extract forwarders
?X: to DLL entries.  Use emximp which will extract exactly them.
    emximp -o tmp.imp $thisname \
        2>/dev/null && \
        $sed -e 's/^\([_a-zA-Z0-9]*\) .*$/\1/p' \
        < tmp.imp >>libc.tmp
    $rm -f tmp.imp
   done
   $sed -e "s/\\$_o\$//" -e 's/^ \+//' < libc.tmp > libc.list
   echo "Ok." >&4
  else
   echo "$ar didn't seem to work right." >&4
   echo "Maybe this is a Cray...trying bld instead..." >&4
   if  bld t $libc | \
    $sed -e 's/.*\///' -e "s/\\$_o:.*\$//" > libc.list &&
    $test -s libc.list
   then
    for thisname in $libnames; do
     bld t $libnames | \
     $sed -e 's/.*\///' -e "s/\\$_o:.*\$//" >>libc.list
     $ar t $thisname >>libc.tmp
    done
    echo "Ok." >&4
   else
    echo
 "That didn't work either.  Giving up." >&4
    exit 1
   fi
  fi
 fi
fi
nm_extract="$com"
case "$PASE" in
define)
   echo " "
   echo "Since you are compiling for PASE, extracting more symbols from libc.a ..."">&4
   dump -Tv /lib/libc.a | awk '$7 == "/unix" {print $5 " " $8}' | grep "^SV" | awk '{print $2}' >> libc.list
   ;;
*)  if $test -f /lib/syscalls.exp; then
 echo " "
 echo "Also extracting names from /lib/syscalls.exp for good ole AIX..." >&4
 $sed -n 's/^\([^  ]*\)[  ]*syscall[0-9]*[  ]*$/\1/p' \
  /lib/syscalls.exp >>libc.list
   fi
   ;;
esac
```

```
;;
esac
$rm -f libnames libpath
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/libc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: cf_email.U,v $
?RCS: Revision 3.0.1.1  1994/01/24  14:05:06  ram
?RCS: patch16: created
?RCS:
?RCS:
?MAKE:cf_email: cat cf_by test myhostname mydomain Oldconfig Myread
?MAKE: -pick add $@ %<
?S:cf_email:
?S: Electronic mail address of the person who ran Configure. This can be
?S: used by units that require the user's e-mail, like MailList.U.
?S:.
?T:cont maildomain
?LINT:extern MAILDOMAIN
: determine the e-mail address of the user who is running us
$cat <<EOM

I need to get your e-mail address
 in Internet format if possible, i.e.
something like user@host.domain. Please answer accurately since I have
no easy means to double check it. The default value provided below
is most probably close to reality but may not be valid from outside
your organization...

EOM
cont=x
while test "$cont"; do
 case "$MAILDOMAIN" in
 ")
  if $test -s /etc/mailname; then
```

```
  maildomain=`$cat /etc/mailname`
 else
  maildomain="$myhostname$mydomain"
 fi
 ;;
*)  maildomain="$MAILDOMAIN";;
esac
case "$cf_email" in
") dflt="$cf_by@$maildomain";;
*)  dflt="$cf_email";;
esac
rp='What is your e-mail address?'
. ./myread
cf_email="$ans"
case "$cf_email" in
*@*.*) cont=" ;;
*)
 rp='Address does not look like an Internet one.  Use it anyway?'
 case "$fastread" in
 yes) dflt=y ;;
 *) dflt=n ;;
 esac
 . ./myread
 case "$ans" in
 y*) cont=" ;;
 *) echo " " ;;
 esac
 ;;
esac
done
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/cf_email.U
No license file was found, but licenses were detected in source scan.

Perl5 Metaconfig Units

Copyright (c) 1996-1998, Andy Dougherty
Copyright (c) 1999-2011, H.Merijn Brand
All rights reserved.

These units are the ones I used to build Configure and config_h.SH
in the Perl5 distribution.

The Configure script and config_h.SH file in the Perl distribution are
generated by a program called metaconfig. To run metaconfig, you will
need the full dist 3.0 distribution, maintained by Raphael Manfredi.

As of this writing, the current version is dist3.0, patchlevel 70.
Dist version dist-3.0@70.tar.gz is available on CPAN (the Comprehensive
Perl Archive Network) as
<http://www.perl.com/perl/CPAN/authors/id/RAM/dist-3.0@70.tar.gz>.

Instructions:

1. Unpack the full perl5 sources. Execute the following command

 chmod +w Configure config_h.SH Porting/Glossary Porting/config*

2. Unpack the archive containing this file in the perl5 source
   directory. This will create a directory
 'U' under the perl5
   sources. That directory will contain the metaconfig units for perl5.
   This will also create two files in the perl5 source tree:
   MANIFEST.new and .package.

3. Apply any patches to perl in the perl_patches/ directory.
   (This may well be empty.)

4. Obtain and install dist-3.0pl70.

4. Apply any patches to dist under the dist_patches subdirectory.

5. From your main perl5 source directory, run packinit to
   regenerate the .package file. IMPORTANT: Change the name and
   address of the maintainer to your own name and address. I don't
   want bug reports intended for you coming to me.

6. From your main perl5 source directory, run

 metalint (or mlint)

   and repair every failure it reports.

7. From your main perl5 source directory, run

 metaconfig -m (or mconfig -m)

8. Edit U/mkglossary and/or U/mkgloss.pl to point to your dist-3.0pl70
   location. (See comments at the top.)

9. Run the Porting/mksample script to update the contents
 of the Porting/
   subdirectory, or run all parts by hand. (see README)

   NB: this script used to be U/mksample replaced by Porting/mksample;

see Porting/pumpkin.pod instead for current documentation on its use.

10. Let me know about any changes, corrections, or enhancements.

Things to watch out for:

1. Future support of better random number generators should probably start with the randfunc.U unit included here. It's currently broken, but well commented and probably a good place to start.

Descriptions:

The units and other related files have been broken up into the following directories:

acl/
This is an old patch to begin to detect and use ACL (access control list) file protection schemes.

compline/
These are similar to the standard units, but I have modified them to have a more uniform compile command line, usually using the new Compile.U unit. I have submitted these for inclusion into the regular dist distribution. (The ccflags.U unit is actually perl-specific since it mentions -DDEBUGGING and -DPOSIX_SOURCE, but that's the only place it is perl-specific.)

dist_patches/
These are patches to dist that must be applied before it is built and installed. I have submitted these for inclusion in the regular dist distribution.

modified/
These are modified versions of the standard units. Also included in this directory are new units that are clearly derived from existing units. I have submitted these for inclusion in the regular dist distribution.

perl/
These are specific to perl. Some are heavily derived from original dist units, and are marked as such. Others are original.

perl_patches/
These are patches to the perl source. This directory should ordinarily be empty, but there may have been drift between the standard version of perl and the one associated with these

units.

protos/
These are units modified to use the new Hasproto.U or Protochk.U units to check for prototypes. I have submitted these for inclusion into the regular dist distribution.

target/
This is the very, very beginning of cross-compiler support. It doesn't work yet, and many standard units will need modification.

typedefs/
These are standard units modified to use the modified Typedef.U unit to check for typedefs. (The modified Typdef.U includes a function to avoid unnecessary prompts if the typdef being searched for exists.) I have submitted these for inclusion into the regular dist distribution.

threads/
These are specific to threading perl.

Copyright Information:

Unless otherwise indicated, the files contained in this distribution are:

Copyright (c) 1996-1998, Andy Dougherty

The following licensing terms apply to all files contained in this distribution:

You may distribute the files contained in this distribution under the terms of either

a) the "Artistic License" which comes with Perl,
or

b) the "Artistic License" which comes with dist, or

c) the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version (see the file "Copying" that comes with the Perl distribution).

Which one to use is your choice.

The units in the "modified" directory have been derived from units

associated with the metaconfig program of Raphael Manfredi's "dist"
distribution. These units list Raphael Manfredi as the Copyright holder.
dist is distributed under a modified version of the Perl Artistic License.
Clause 7 of this modified license as contained in dist-3.0-pl60 provides:

7. You may reuse parts of this Package in your own programs, provided
that you explicitly state where you got them from, in the source code
(and, left to your courtesy, in the documentation), duplicating
all the associated copyright notices and disclaimers. Besides
your changes, if any, must be clearly marked
as such. Parts reused
that way will no longer fall under this license if, and only if,
the name of your program(s) have no immediate connection with the
name of the Package itself or its associated programs. You may then
apply whatever restrictions you wish on the reused parts or choose
to place them in the Public Domain--this will apply only within the
context of your package.

In accordance with this clause, the versions of these units
contained here are made available under the same terms as the
rest of the units.

If you have any questions about the use of these units or about
the differences between these units and the standard versions, please
feel free to ask.

Andy Dougherty doughera@lafayette.edu
Dept. of Physics
Lafayette College
Easton, PA 18042-1782

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/README.dist
No license file was found, but licenses were detected in source scan.

?RCS: $Id: Mkdirp.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extract.U,v $
?RCS: Revision 3.0.1.2 1997/02/28 14:58:52 ram

```
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  15:51:46  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:52  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a shell script which can launched to create a
?X: directory path like "mkdir -p" would do.
?X:
?MAKE:Mkdirp:
 eunicefix startsh
?MAKE: -pick add $@ %<
?F:./mkdirp
?T:name create file
: script used to emulate mkdir -p
cat >mkdirp <<EOS
$startsh
EOS
cat >>mkdirp <<'EOS'
name=$1;
create="";
while test $name; do
 if test ! -d "$name"; then
  create="$name $create"
  name=`echo $name | sed -e "s|^[^/]*$||"`
  name=`echo $name | sed -e "s|\(.*\)/.*|\1|"`
 else
  name=""
 fi
done
for file in $create; do
 mkdir $file
done
EOS
chmod +x mkdirp
$eunicefix mkdirp
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Mkdirp.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extractall.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:00:43  ram
?RCS: patch61: created
?RCS:
?X:
?X: If extraction has been requested, load the configuration file, perform
?X: the extraction and exit.
?X:
?X: This unit was originally a part of Options.U. It had to be removed from
?X: it to prevent a dependency cycle: Extract -> src -> Options -> Extract
?X: The Begin.U unit now requires us before beginning to do anything
?X: interesting, to ensure proper semantics. -- RAM, 15/03/96
?X:
?MAKE:Extractall:
 Extract Options
?MAKE: -pick wipe $@ %<
: extract files and exit if asked to do so
case "$extractsh" in
true)
?X: Undo the forced silent=true when -S was supplied, by probing realsilent
?X: which was set iff -s was also given. See Options.U for details.
 case "$realsilent" in
 true) ;;
 *) exec 1>&4;;
 esac
 case "$config_sh" in
 ") config_sh='config.sh';;
 esac
 echo " "
 echo "Fetching answers from $config_sh..."
 cd ..
 . $config_sh
 test "$override" && . ./optdef.sh
 echo " "
?X: extract has to be run from the top directory, not within UU.
 . UU/extract
 rm -rf UU
 echo "Extraction done."
 exit 0
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Extractall.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: nis.U,v 3.0.1.3 1997/02/28 16:17:38 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: nis.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  16:17:38  ram
?RCS: patch61: ensure suitable defaults for hostcat and friends
?RCS:
?RCS: Revision 3.0.1.2  1995/03/21  08:48:34  ram
?RCS: patch52: continued fix for NeXT NIS/NetInfo handling
?RCS:
?RCS: Revision 3.0.1.1  1995/02/15  14:16:23  ram
?RCS: patch51: now correctly handles NeXT using NIS rather than NetInfo
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:24  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:passcat
 groupcat hostcat: Myread Oldconfig test contains
?MAKE: -pick add $@ %<
?S:passcat:
?S: This variable contains a command that produces the text of the
?S: /etc/passwd file.  This is normally "cat /etc/passwd", but can be
?S: "ypcat passwd" when NIS is used.
?S: On some systems, such as os390, there may be no equivalent
?S: command, in which case this variable is unset.
?S:.
?S:groupcat:
?S: This variable contains a command that produces the text of the
?S: /etc/group file.  This is normally "cat /etc/group", but can be
?S: "ypcat group" when NIS is used.
?S: On some systems, such as os390, there may be no equivalent
?S: command, in which case this variable is unset.
?S:.
?S:hostcat:
?S: This variable contains a command that produces the text of the
```

```
?S: /etc/hosts file.  This is normally "cat /etc/hosts", but can be
?S: "ypcat hosts" when NIS is used.
?S: On some systems, such as os390, there may be no equivalent
?S: command, in which case this variable is unset.
?S:.
:
 see if we have to deal with yellow pages, now NIS.
?X: NeXT gives us some fun here, as always, by having both NIS (former YP)
?X: and NetInfo. But since it has both, it's ok to put the test inside the if.
?X: Contributed by Thomas Neumann <tom@smart.bo.open.de>.
if $test -d /usr/etc/yp || $test -d /etc/yp || $test -d /usr/lib/yp; then
@if passcat || groupcat
 case "$passcat" in
 nidump*) ;;
 *)
  case "$passcat" in
  *ypcat*) dflt=y;;
  ") if $contains '^\+' /etc/passwd >/dev/null 2>&1; then
    dflt=y
   else
    dflt=n
   fi;;
  *) dflt=n;;
  esac
  echo " "
  rp='Are you getting the passwd file via yellow pages?'
  . ./myread
  case "$ans" in
  y*) passcat='ypcat passwd'
@if groupcat
   echo "(Assuming /etc/group is also distributed.)"
   groupcat='ypcat group'
@end
   ;;
  *) passcat='cat /etc/passwd'
@if groupcat
   echo "(Assuming /etc/group is also local.)"
   groupcat='cat /etc/group'
@end
   ;;
  esac
  ;;
 esac
@end
@if hostcat
 case "$hostcat" in
 nidump*) ;;
 *)
```

```
  case
 "$hostcat" in
  *ypcat*) dflt=y;;
  ") if $contains '^\+' /etc/passwd >/dev/null 2>&1; then
    dflt=y
   else
    dflt=n
   fi;;
  *) dflt=n;;
  esac
  echo " "
  rp='Are you getting the hosts file via yellow pages?'
  . ./myread
  case "$ans" in
  y*) hostcat='ypcat hosts';;
  *) hostcat='cat /etc/hosts';;
  esac
  ;;
 esac
@end
fi
?X: Ensure suitable default -- Manoj Srivastava
case "$hostcat" in
") test -f /etc/hosts && hostcat='cat /etc/hosts';;
esac
case "$groupcat" in
") test -f /etc/group && groupcat='cat /etc/group';;
esac
case "$passcat" in
") test -f /etc/passwd && passcat='cat /etc/passwd';;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/nis.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: h_fcntl.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: h_fcntl.U,v $
```

```
?RCS: Revision 3.0  1993/08/18  12:08:12  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:h_fcntl: Nothing
?MAKE: -pick add $@ %<
?S:h_fcntl:
?S: This is variable gets set in various places to tell i_fcntl that
?S: <fcntl.h> should be included.
?S:.
: Initialize h_fcntl
h_fcntl=false
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/h_fcntl.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: inc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: inc.U,v $
?RCS: Revision 3.0  1993/08/18  12:08:51  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:inc incexp: Loc Oldconfig Getfile usrinc
?MAKE: -pick add $@ %<
?S:inc:
?S: This variable holds the name of the directory in which the user wants
?S: to put public header files for the package in question.  It is most
?S: often a local directory such as /usr/local/include.
?S:.
?S:incexp:
?S: This is the same as the inc variable, but is filename
 expaned
?S: at configuration time for convenient use in your makefiles.
?S:.
: determine where public header files go
case "$inc" in
")
 dflt=`./loc . "." /usr/local/include /usr/include/local $usrinc`
 ;;
```

```
*)  dflt="$inc"
 ;;
esac
fn=d~
rp='Where do you want to put the public header files?'
. ./getfile
inc="$ans"
incexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/inc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Options.U,v $
?RCS: Revision 3.0.1.7  1997/02/28  15:08:15  ram
?RCS: patch61: optdef.sh now starts with a "startsh"
?RCS: patch61: moved some code from Head.U
?RCS:
?RCS: Revision 3.0.1.6  1995/09/25  09:14:46  ram
?RCS: patch59: protected option parsing code against 'echo -*' option failure
?RCS:
?RCS: Revision 3.0.1.5  1995/05/12  12:04:52  ram
?RCS: patch54: added -K option for experts
?RCS:
?RCS: Revision 3.0.1.4  1995/01/30  14:27:52  ram
?RCS: patch49: this unit now exports file optdef.sh,
 not a variable
?RCS:
?RCS: Revision 3.0.1.3  1995/01/11  15:19:00  ram
?RCS: patch45: new -O option allowing -D and -U to override config.sh settings
?RCS: patch45: file optdef.sh is no longer removed after sourcing
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  15:58:06  ram
?RCS: patch36: ensure option definition file is removed before appending
?RCS: patch36: protect variable definitions with spaces in them
?RCS:
?RCS: Revision 3.0.1.1  1994/06/20  06:55:44  ram
```

```
?RCS: patch30: now uses new me symbol to tag error messages
?RCS: patch30: new -D and -U options to define/undef symbols (JHI)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:14  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: Command line parsing. It is really important that the variables used here
?X: be not listed in the MAKE line, or they will be saved in config.sh and
?X: loading this file to fetch default answers would clobber the values set
?X: herein.
?X:
?MAKE:Options: startsh
?MAKE: -pick wipe $@ %<
?V:reuseval
 alldone error realsilent silent extractsh fastread \
 override knowitall: config_sh
?T:arg argn symbol config_arg0 config_args config_argc xxx yyy zzz uuu
?T:args_exp args_sep arg_exp
?F:!Configure
?F:./optdef.sh ./cmdline.opt ./posthint.sh ./cmdl.opt
: Save command line options in file UU/cmdline.opt for later use in
: generating config.sh.
?X: This temporary file will be read by Oldsym.U.  I used a temporary
?X: file to preserve all sorts of potential command line quotes and
?X: also because we don't know in advance how many variables we'll
?X: need, so I can't actually declare them on the MAKE line.
?X: The config_args variable won't be quite correct if Configure is
?X: fed something like    ./Configure -Dcc="gcc -B/usr/ccs/bin/"
?X: since the quotes are gone by the time we see them.  You'd have to
?X: reconstruct the command line from the config_arg? lines, but since
?X: I don't imagine anyone actually having to do that, I'm not going
?X: to worry too much.
cat > cmdline.opt
 <<EOSH
: Configure command line arguments.
config_arg0='$0'
config_args='$*'
config_argc=$#
EOSH
argn=1
args_exp=''
args_sep=''
for arg in "$@"; do
 cat >>cmdline.opt <<EOSH
config_arg$argn='$arg'
EOSH
?X: Extreme backslashitis: replace each ' by '"'"'
```

```
 cat <<EOC | sed -e "s/'/'''''''''''''/g" > cmdl.opt
$arg
EOC
 arg_exp=`cat cmdl.opt`
 args_exp="$args_exp$args_sep'$arg_exp'"
 argn=`expr $argn + 1`
 args_sep=' '
done
?X: args_exp is good for restarting self: eval "set X $args_exp"; shift; $0 "$@"
?X: used by hints/os2.sh in Perl, for instance
rm -f cmdl.opt

: produce awk script to parse command line options
cat >options.awk <<'EOF'
BEGIN {
 optstr = "A:dD:eEf:hKOrsSU:V"; # getopt-style specification

 len = length(optstr);
 for (i = 1; i <= len; i++) {
  c = substr(optstr, i, 1);
?X: some older awk's do not have the C ?: construct
  if (i < len) a = substr(optstr, i + 1, 1); else a = "";
  if (a == ":") {
   arg[c] = 1;
   i++;
  }
  opt[c] = 1;
 }
}
{
 expect = 0;
 str = $0;
 if (substr(str,
 1, 1) != "-") {
  printf("'%s'\n", str);
  next;
 }
 len = length($0);
 for (i = 2; i <= len; i++) {
  c = substr(str, i, 1);
  if (!opt[c]) {
   printf("-%s\n", substr(str, i));
   next;
  }
  printf("-%s\n", c);
  if (arg[c]) {
   if (i < len)
    printf("'%s'\n", substr(str, i + 1));
```

```
   else
    expect = 1;
   next;
  }
 }
}
END {
 if (expect)
  print "?";
}
EOF

: process the command line options
?X: Use "$@" to keep arguments with spaces in them from being split apart.
?X: For the same reason, awk will output quoted arguments and the final eval
?X: removes them and sets a proper $* array. An 'X' is prependend to each
?X: argument before being fed to echo to guard against 'echo -x', where -x
?X: would be understood as an echo option! It is removed before feeding awk.
set X `for arg in "$@"; do echo "X$arg"; done |
 sed -e s/X// | awk -f options.awk`
eval "set $*"
shift
rm -f options.awk

: set up default values
fastread=''
reuseval=false
config_sh=''
alldone=''
error=''
silent=''
extractsh=''
override=''
knowitall=''
rm
 -f optdef.sh posthint.sh
cat >optdef.sh <<EOS
$startsh
EOS

?X:
?X: Given that we now have the possibility to execute Configure remotely
?X: thanks to the new src.U support, we have to face the possibility
?X: of having to ask where the source lie, which means we need the Myread.U
?X: stuff and possibly other things that might echo something on the
?X: screen...
?X:
?X: That's not pretty, and might be confusing in 99% of the time. So...
```

```
?X: We introduce a new realsilent variable which is set when -s is given,
?X: and we force silent=true if -S is supplied. The Extractall.U unit
?X: will then undo the >&4 redirection based on the value of the
?X: realsilent variable... -- RAM, 18/93/96
?X:

: option parsing
while test $# -gt 0; do
 case "$1" in
 -d) shift; fastread=yes;;
 -e) shift; alldone=cont;;
 -f)
  shift
  cd ..
  if test -r "$1"; then
   config_sh="$1"
  else
   echo "$me: cannot read config file $1." >&2
   error=true
  fi
  cd UU
  shift;;
 -h)
 shift; error=true;;
 -r) shift; reuseval=true;;
 -s) shift; silent=true; realsilent=true;;
 -E) shift; alldone=exit;;
 -K) shift; knowitall=true;;
 -O) shift; override=true;;
 -S) shift; silent=true; extractsh=true;;
 -D)
  shift
  case "$1" in
  *=)
   echo "$me: use '-U symbol=', not '-D symbol='." >&2
   echo "$me: ignoring -D $1" >&2
   ;;
  *=*) echo "$1" | \
    sed -e "s/'/'\''\''/g" -e "s/=\(.*\)/='\1'/" >> optdef.sh;;
  *) echo "$1='define'" >> optdef.sh;;
  esac
  shift
  ;;
 -U)
  shift
  case "$1" in
  *=) echo "$1" >> optdef.sh;;
  *=*)
```

```
 echo "$me: use '-D symbol=val', not '-U symbol=val'." >&2
 echo "$me: ignoring -U $1" >&2
 ;;
*) echo "$1='undef'" >> optdef.sh;;
esac
shift
;;
-A)
   shift
   xxx=''
   yyy="$1"
   zzz=''
   uuu=undef
   case "$yyy" in
        *=*) zzz=`echo "$yyy"|sed 's!=.*!!'`
             case "$zzz" in
             *:*) zzz='' ;;
             *)   xxx=append
                  zzz=' '`echo
"$yyy"|sed 's!^[^=]*=!!'`
                  yyy=`echo "$yyy"|sed 's!=.*!!'` ;;
             esac
             ;;
        esac
        case "$xxx" in
        '')  case "$yyy" in
             *:*) xxx=`echo "$yyy"|sed 's!:.*!!'`
                  yyy=`echo "$yyy"|sed 's!^[^:]*:!!'`
                  zzz=`echo "$yyy"|sed 's!^[^=]*=!!'`
                  yyy=`echo "$yyy"|sed 's!=.*!!'` ;;
             *)   xxx=`echo "$yyy"|sed 's!:.*!!'`
                  yyy=`echo "$yyy"|sed 's!^[^:]*:!!'` ;;
             esac
             ;;
        esac
   case "$xxx" in
   append)
echo "$yyy=\"\${$yyy}$zzz\"" >> posthint.sh ;;
   clear)
echo "$yyy=''   >> posthint.sh ;;
   define)
       case "$zzz" in
'') zzz=define ;;
esac
echo "$yyy='$zzz'"  >> posthint.sh ;;
   eval)
echo "eval \"$yyy=$zzz\"" >> posthint.sh ;;
   prepend)
```

```
 echo "$yyy=\"$zzz\${$yyy}\"" >> posthint.sh ;;
    undef)
        case "$zzz" in
 ")
zzz="$uuu" ;;
 esac
 echo "$yyy=$zzz"  >> posthint.sh ;;
         *)  echo "$me: unknown -A command '$xxx', ignoring -A $1" >&2 ;;
    esac
    shift
    ;;
-V) echo "$me generated by metaconfig <VERSION> PL<PATCHLEVEL>." >&2
    exit 0;;
--) break;;
-*) echo "$me: unknown option $1" >&2; shift; error=true;;
*) break;;
esac
done

case "$error" in
true)
 cat >&2 <<EOM
Usage: $me [-dehrsEKOSV] [-f config.sh] [-D symbol] [-D symbol=value]
               [-U symbol] [-U symbol=] [-A command:symbol...]
 -d : use defaults for all answers.
 -e : go on without questioning past the production of config.sh.
 -f : specify an alternate default configuration file.
 -h : print this help message and exit (with an error status).
 -r : reuse C symbols value if possible (skips costly nm extraction).
 -s : silent mode, only echoes questions and essential information.
 -D : define symbol to have some value:
        -D symbol         symbol gets the value 'define'
        -D symbol=value
   symbol gets the value 'value'
 -E : stop at the end of questions, after having produced config.sh.
 -K : do not use unless you know what you are doing.
 -O : let -D and -U override definitions from loaded configuration file.
 -S : perform variable substitutions on all .SH files (can mix with -f)
 -U : undefine symbol:
        -U symbol    symbol gets the value 'undef'
        -U symbol=   symbol gets completely empty
 -A : manipulate symbol after the platform specific hints have been applied:
  -A symbol=value  append " "value to symbol
  -A append:symbol=value  append value to symbol
  -A define:symbol=value  define symbol to have value
        -A clear:symbol  define symbol to be "
  -A define:symbol  define symbol to be 'define'
  -A eval:symbol=value  define symbol to be eval of value
```

```
  -A prepend:symbol=value prepend value to symbol
  -A undef:symbol  define symbol to be 'undef'
  -A undef:symbol=  define symbol to be ''
 -V : print version number and exit (with
 a zero status).
EOM
 exit 1
 ;;
esac

?X:
?X: Unless they specified either -S or both -d and -e/E, make sure we're
?X: running interactively, i.e. attached to a terminal. Moved from Head.U to
?X: be able to handle batch configurations...
?X:
?X: We have to hardwire the Configure name and cannot use $me, since if they
?X: said 'sh <Configure', then $me is 'sh'...
?X:
: Sanity checks
case "$fastread$alldone" in
yescont|yesexit) ;;
*)
 case "$extractsh" in
 true) ;;
 *)
  if test ! -t 0; then
   echo "Say 'sh Configure', not 'sh <Configure'"
   exit 1
  fi
  ;;
 esac
 ;;
esac

?X: In silent mode, the standard output is closed. Questions are asked by
?X: outputing on file descriptor #4, which is the original stdout descriptor.
?X: This filters out all the "junk", since all the needed information is written
?X: on #4. Note that ksh will not let us redirect output if the file descriptor
?X: has not be defined yet, unlike sh, hence the following line...--RAM.
exec 4>&1
case "$silent" in
true)
 exec 1>/dev/null;;
esac

: run the defines and the undefines, if any, but leave the file out there...
touch optdef.sh
. ./optdef.sh
```

```
: create the posthint manipulation script and leave the file out there...
?X: this file will be perused by Oldconfig.U
touch posthint.sh
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Options.U
No license file was found, but licenses were detected in source scan.

```
*  You may redistribute only under the terms of the Artistic Licence,
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/files/Jmake.tmpl
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libnlist.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libnlist.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:08:02  ram
?RCS: patch61: added usrinc and mips on the dependency line
?RCS: patch61: make sure we call ./mips
?RCS: patch61: added a ?LINT: hint
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:00  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libnlist: Loc libpth Guess usrinc _a
?MAKE: -pick add $@ %<
?S:libnlist (libmld):
?S: This variable contains the name of the library required to
 get the
?S: definition of the nlist() function.  On a MIPS RISC/OS box, it is -lmld.
?S: Under Sys Vr4, it is -lelf.  Otherwise, its value is empty.
?S:.
?T:xxx
?LINT:use usrinc
: see if we need a special library for 'nlist()'
echo " "
: How about doing this if nlist is not in libc...
```

```
if ./mips ; then
 libnlist='-lmld'
else
 xxx=`./loc libelf$_a x $libpth`
 case "$xxx" in
 x)  ;;
 *)
  libnlist="$xxx"
  ;;
 esac
fi
case "$libnlist" in
") echo "No special library for nlist() seems necessary." >&4
 ;;
*)  echo "nlist() can be found in $libnlist." >&4
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libnlist.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libc.U,v $
?RCS: Revision 3.0.1.10  1997/02/28  15:56:48  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS: patch61: added support for HPUX-10 nm output
?RCS:
?RCS: Revision 3.0.1.9  1995/07/25  14:11:56  ram
?RCS: patch56: now knows about OS/2 platforms
?RCS:
?RCS: Revision 3.0.1.8  1995/05/12  12:20:47  ram
?RCS: patch54: made sure only most recent version of shared lib is picked
?RCS: patch54: final "nm -p" check now uses xscan and xrun like everybody
?RCS: patch54: can now grok
 linux nm output with lead __IO (ADO)
?RCS: patch54: added support for linux ELF output, using 'W' for alias (ADO)
?RCS:
```

```
?RCS: Revision 3.0.1.7  1994/10/29  16:23:40  ram
?RCS: patch36: now looks for shared libraries before anything else (ADO)
?RCS: patch36: added new nm output format (ADO)
?RCS:
?RCS: Revision 3.0.1.6  1994/08/29  16:28:10  ram
?RCS: patch32: added I-type symbols for nm output parsing on Linux
?RCS:
?RCS: Revision 3.0.1.5  1994/06/20  07:03:24  ram
?RCS: patch30: checks are now presented by succession of if/elif
?RCS: patch30: uniformized checks for shared objects with new so symbol
?RCS:
?RCS: Revision 3.0.1.4  1994/05/06  15:06:33  ram
?RCS: patch23: added shared library knowledge (ADO and WED)
?RCS:
?RCS: Revision 3.0.1.3  1994/01/24  14:12:17  ram
?RCS: patch16: can now export nm_extract as an internal-use only variable
?RCS:
?RCS: Revision 3.0.1.2  1993/09/13  16:09:03  ram
?RCS: patch10: added special handling for Apollo systems (WAD)
?RCS:
?RCS: Revision 3.0.1.1
  1993/08/27  14:40:03  ram
?RCS: patch7: added entry for /usr/shlib/libc.so (OSF/1 machines)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:57  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libc libnames +nm_extract: echo n c rm test grep Getfile Myread \
 Oldconfig Loc sed libs incpath libpth ar runnm nm nm_opt nm_so_opt \
 contains xlibpth so osname trnl tr sort uniq _o _a
?MAKE: -pick add $@ %<
?S:libc:
?S: This variable contains the location of the C library.
?S:.
?S:libnames:
?S: The constructed list of library names.  Normally empty, but hint files
?S: may set this for later perusal by Configure.
?S:.
?S:nm_extract:
?S: This variable holds the name of the extraction command used to process
?S: the output of nm and yield the list of defined symbols. It is used
?S: internally by Configure.
?S:.
?T:thislib try libnames xxx xscan xrun thisname com tans file
?F:!libnames !libc.tmp !tmp.imp
?LINT:change nm_opt runnm
?INIT:libnames=''
: Figure out where the libc is located
```

```
case
 "$runnm" in
true)
?X: indentation is wrong on purpose--RAM
: get list of predefined functions in a handy place
echo " "
case "$libc" in
") libc=unknown
 case "$libs" in
 *-lc_s*) libc=`./loc libc_s$_a $libc $libpth`
 esac
 ;;
esac
case "$libs" in
") ;;
*)  for thislib in $libs; do
 case "$thislib" in
 -lc|-lc_s)
  : Handle C library specially below.
  ;;
 -l*)
  thislib=`echo $thislib | $sed -e 's/^-l//'`
  if try=`./loc lib$thislib.$so.'*' X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib.$so X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib$_a X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc $thislib$_a X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc $thislib X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc Slib$thislib$_a X $xlibpth`; $test -f "$try"; then
   :
  else
   try="
  fi
  libnames="$libnames $try"
  ;;
 *) libnames="$libnames $thislib"
 ;;
 esac
 done
 ;;
esac
?X:
```

```
?X: Some systems (e.g. DG/UX) use "environmental" links, which make the test
?X: -f fail. Ditto for symbolic links. So in order to reliably check the
?X: existence of a file, we use test -r. It will still fail with DG/UX links
?X: though, but at least it will detect symbolic links. At some strategic
?X: points, we make use of (test -h), using a sub-shell in case builtin test
?X: does not implement the -h check for symbolic links. This makes it
?X: possible to preset libc in a hint file for instance and have it show up
?X: as-is in the question.
?X:
xxx=normal
case "$libc" in
unknown)
?X:
?X: The sed below transforms .so.9 .so.12 into something like .so.0009 .so.0012,
?X: then sorts on it to allow keeping .so.12 instead of .so.9 as the latest
?X: up-to-date library. The initial filename (before sed munging, saved in hold
?X: space via 'h') is appended via 'G' before sorting, then the leading munged
?X: part is removed after sorting. Nice efficient work
 from Tye McQueen.
?X: The initial blurfl is here to prevent the trailing pipe from producing an
?X: empty string, causing Configure to output all its set variables!
?X:
 set /lib/libc.$so
 for xxx in $libpth; do
  $test -r $1 || set $xxx/libc.$so
  : The messy sed command sorts on library version numbers.
  $test -r $1 || \
   set `echo blurfl; echo $xxx/libc.$so.[0-9]* | \
   tr ' ' $trnl | egrep -v '\.[A-Za-z]*$' | $sed -e '
    h
    s/[0-9][0-9]*/0000&/g
    s/0*\([0-9][0-9][0-9][0-9][0-9]\)/\1/g
    G
    s/\n/ /' | \
    $sort | $sed -e 's/^.* //'`
  eval set \$$#
 done
 $test -r $1 || set /usr/ccs/lib/libc.$so
 $test -r $1 || set /lib/libsys_s$_a
 ;;
*)
?X: ensure the test below for the (shared) C library will fail
 set blurfl
 ;;
esac
if $test -r "$1"; then
 echo "Your (shared) C library seems to be in $1."
 libc="$1"
```

```
elif $test -r /lib/libc && $test -r /lib/clib; then
?X:
?X: Apollo has its C library in /lib/clib AND /lib/libc
?X: not to mention its math library in /lib/syslib...
?X:
 echo
 "Your C library seems to be in both /lib/clib and /lib/libc."
 xxx=apollo
 libc='/lib/clib /lib/libc'
 if $test -r /lib/syslib; then
  echo "(Your math library is in /lib/syslib.)"
?X: Put syslib in libc -- not quite right, but won't hurt
  libc="$libc /lib/syslib"
 fi
elif $test -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
 echo "Your C library seems to be in $libc, as you said before."
?X: For mips, and...
elif $test -r $incpath/usr/lib/libc$_a; then
 libc=$incpath/usr/lib/libc$_a;
 echo "Your C library seems to be in $libc.  That's fine."
elif $test -r /lib/libc$_a; then
 libc=/lib/libc$_a;
 echo "Your C library seems to be in $libc.  You're normal."
else
 if tans=`./loc libc$_a blurfl/dyick $libpth`; $test -r "$tans"; then
  :
 elif tans=`./loc libc blurfl/dyick $libpth`; $test -r "$tans"; then
  libnames="$libnames "`./loc clib blurfl/dyick $libpth`
 elif tans=`./loc clib blurfl/dyick $libpth`; $test -r "$tans"; then
  :
 elif tans=`./loc Slibc$_a blurfl/dyick
 $xlibpth`; $test -r "$tans"; then
  :
 elif tans=`./loc Mlibc$_a blurfl/dyick $xlibpth`; $test -r "$tans"; then
  :
 else
  tans=`./loc Llibc$_a blurfl/dyick $xlibpth`
 fi
 if $test -r "$tans"; then
  echo "Your C library seems to be in $tans, of all places."
  libc=$tans
 else
  libc='blurfl'
 fi
fi
if $test $xxx = apollo -o -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
 dflt="$libc"
 cat <<EOM
```

```
If the guess above is wrong (which it might be if you're using a strange
compiler, or your machine supports multiple models), you can override it here.

EOM
else
 dflt=''
 echo $libpth | $tr ' ' $trnl | $sort | $uniq > libpath
 cat >&4 <<EOM
I can't seem to find your C library.  I've looked in the following places:

EOM
 $sed 's/^/ /' libpath
 cat <<EOM

None of these seems to contain your C library. I need to get its name...

EOM
fi
fn=f
rp='Where is your C library?'
. ./getfile
libc="$ans"

echo " "
echo $libc $libnames | $tr ' ' $trnl | $sort | $uniq > libnames
set X `cat libnames`
shift
xxx=files
case
 $# in 1) xxx=file; esac
echo "Extracting names from the following $xxx for later perusal:" >&4
echo " "
$sed 's/^/ /' libnames >&4
echo " "
$echo $n "This may take a while...$c" >&4

?X:
?X: Linux may need the special Dynamic option to nm for shared libraries.
?X: In general, this is stored in the nm_so_opt variable.
?X: Unfortunately, that option may be fatal on non-shared libraries.
?X:
for file in $*; do
 case $file in
 *$so*) $nm $nm_so_opt $nm_opt $file 2>/dev/null;;
 *) $nm $nm_opt $file 2>/dev/null;;
 esac
done >libc.tmp
```

```
$echo $n ".$c"
?X:
?X: To accelerate processing, we look at the correct 'sed' command
?X: by using a small subset of libc.tmp, i.e. fprintf function.
?X: When we know which sed command to use, do the name extraction
?X:
$grep fprintf libc.tmp > libc.ptf
?X:
?X: In order to enhance readability and save some space, we define
?X: some variables that will be "eval"ed.
?X:
xscan='eval "<libc.ptf $com >libc.list"; $echo $n ".$c" >&4'
xrun='eval
 "<libc.tmp $com >libc.list"; echo "done." >&4'
?X: BSD-like output, I and W types added for Linux
?X: Some versions of Linux include a leading __IO in the symbol name.
?X: HPUX10 reportedly has trailing spaces, though I'm surprised it has
?X: BSD-like output.  (AD).
xxx='[ADTSIW]'
if com="$sed -n -e 's/__IO//' -e 's/^.* $xxx  *_[_.]*//p' -e 's/^.* $xxx  *//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: SYSV-like output
elif com="$sed -n -e 's/^__*//' -e 's/^\([a-zA-Z_0-9$]*\).*xtern.*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e '/|UNDEF/d' -e '/FUNC..GL/s/^.*|__*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.* D __*//p' -e 's/^.* D //p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^_//' -e 's/^\([a-zA-Z_0-9]*\).*xtern.*text.*/\1/p'";\
 eval
 $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|FUNC |GLOB .*|//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$grep '|' | $sed -n -e '/|COMMON/d' -e '/|DATA/d' \
    -e '/ file/d' -e 's/^\([^  ]*\).*/\1/p'";\
```

```
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|FUNC |GLOB .*|//p' -e 's/^.*|FUNC |WEAK .*|//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: mips nm output (sysV)
elif com="$sed -n -e 's/^__//' -e '/|Undef/d' -e '/|Proc/s/ .*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|Proc .*|Text *| *//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e '/Def. Text/s/.* \([^ ]*\)\$/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null
 2>&1; then
  eval $xrun
?X: OS/2 nm output
elif com="$sed -n -e 's/^[-0-9a-f ]*_\(.*\)=.*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/.*\.text n\ \ \ \.//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: AIX nm output
elif com="sed -n -e 's/^__.*//' -e 's/[       ]*D[    ]*[0-9]*.*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
else
 $nm -p $* 2>/dev/null >libc.tmp
 $grep fprintf libc.tmp > libc.ptf
 if com="$sed -n -e 's/^.* [ADTSIW]  *_[_.]*//p' -e 's/^.* [ADTSIW] //p'";\
  eval $xscan; $contains '^fprintf$' libc.list >/dev/null 2>&1
 then
  nm_opt='-p'
  eval $xrun
 else
  echo " "
  echo "$nm didn't seem to work right. Trying $ar instead..." >&4
  com="
  if $ar t $libc > libc.tmp && \
```

```
  $contains '^fprintf$' libc.tmp >/dev/null 2>&1
 then
  for thisname in $libnames $libc; do
   $ar t $thisname >>libc.tmp
  done
  $sed
-e "s/\\$_o\$//" < libc.tmp > libc.list
  echo "Ok." >&4
 elif test "X$osname" = "Xos2" && $ar tv $libc > libc.tmp; then
?X: Repeat libc to extract forwarders to DLL entries too
  for thisname in $libnames $libc; do
   $ar tv $thisname >>libc.tmp
?X: Revision 50 of EMX has bug in ar: it will not extract forwarders
?X: to DLL entries.  Use emximp which will extract exactly them.
   emximp -o tmp.imp $thisname \
       2>/dev/null && \
       $sed -e 's/^\([_a-zA-Z0-9]*\) .*$/\1/p' \
       < tmp.imp >>libc.tmp
   $rm -f tmp.imp
  done
  $sed -e "s/\\$_o\$//" -e 's/^ \+//' < libc.tmp > libc.list
  echo "Ok." >&4
 else
  echo "$ar didn't seem to work right." >&4
  echo "Maybe this is a Cray...trying bld instead..." >&4
  if
   bld t $libc | \
    $sed -e 's/.*\///' -e "s/\\$_o:.*\$//" > libc.list &&
   $test -s libc.list
  then
   for thisname in $libnames; do
    bld t $libnames | \
    $sed -e 's/.*\///' -e "s/\\$_o:.*\$//" >>libc.list
    $ar t $thisname >>libc.tmp
   done
   echo
"Ok." >&4
  else
   echo "That didn't work either." >&4
   echo "No problem, I'll be compiling test programs then..." >&4
   runnm=false
  fi
 fi
fi
fi
nm_extract="$com"
if $test -f /lib/syscalls.exp; then
 echo " "
```

```
 echo "Also extracting names from /lib/syscalls.exp for good ole AIX..." >&4
 $sed -n 's/^\([^  ]*\)[  ]*syscall[0-9]*[  ]*$/\1/p' \
  /lib/syscalls.exp >>libc.list
fi
?X: remember, indentation is wrong on purpose--RAM
;;
esac
$rm -f libnames libpath
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libc.U
No license file was found, but licenses were detected in source scan.

```
/* This file was produced by running the config_h.SH script, which
* gets its values from $CONFIG_SH, which is generally produced by
* running Configure.
*
* Feel free to modify any of this as the need arises.  Note, however,
* that running config_h.SH again will wipe out any changes you've made.
* For a more permanent change edit $CONFIG_SH and rerun config_h.SH.
*/
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Config_h.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Oldsym.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:06:58  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:13  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit follows the creation of the config.sh file. It adds some
?X: special symbols: defines from patchlevel.h file if any and CONFIG,
```

```
?X: which is set to true. Then, we try to keep all the new symbols that
?X: may come from a hint file or a previous config.sh file.
?X:
?MAKE:Oldsym:
 Config_sh Options test hint src sed sort uniq
?MAKE: -pick add $@ %<
?T:CONFIG sym tmp
?F:!UU
: add special variables
$test -f $src/patchlevel.h && \
awk '/^#define/ {printf "%s=%s\n",$2,$3}' $src/patchlevel.h >>config.sh
echo "CONFIG=true" >>config.sh

: propagate old symbols
if $test -f UU/config.sh; then
?X: Make sure each symbol is unique in oldconfig.sh
 <UU/config.sh $sort | $uniq >UU/oldconfig.sh
?X:
?X: All the symbols that appear twice come only from config.sh (hence the
?X: two config.sh in the command line). These symbols will be removed by
?X: the uniq -u command. The oldsyms file thus contains all the symbols
?X: that did not appear in the produced config.sh (Larry Wall).
?X:
?X: Do not touch the -u flag of uniq.  This means you too, Jarkko.
?X:
 $sed -n 's/^\([a-zA-Z_0-9]*\)=.*/\1/p' \
  config.sh config.sh UU/oldconfig.sh |\
  $sort | $uniq -u >UU/oldsyms
 set X `cat UU/oldsyms`
 shift
 case $# in
 0) ;;
 *)
  cat <<EOM
Hmm...You had some extra variables I don't know about...I'll
 try to keep 'em...
EOM
  echo ": Variables propagated from previous config.sh file." >>config.sh
  for sym in `cat UU/oldsyms`; do
   echo "    Propagating $hint variable "'$'"$sym..."
   eval 'tmp="$'"${sym}"'"'
   echo "$tmp" | \
    sed -e "s/'/'\''\''/g" -e "s/^/$sym='/" -e "s/$/'/" >>config.sh
  done
  ;;
 esac
fi
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Oldsym.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: installprefix.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: installprefix.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?RCS:
?MAKE:installprefix installprefixexp: Getfile Loc \
 Oldconfig afs cat package prefix
?MAKE: -pick add $@ %<
?S:installprefix:
?S: This variable holds the name of the directory below which
?S: "make install" will install the package.  For most users, this
?S: is the same
 as prefix.  However, it is useful for
?S: installing the software into a different (usually temporary)
?S: location after which it can be bundled up and moved somehow
?S: to the final location specified by prefix.
?S:.
?S:installprefixexp:
?S: This variable holds the full absolute path of installprefix
?S: with all ~-expansion done.
?S:.
: determine installation prefix for where package is to be installed.
if $afs; then
$cat <<EOM

Since you are running AFS, I need to distinguish the directory in which
files will reside from the directory in which they are installed (and from
which they are presumably copied to the former directory by occult means).

EOM
 case "$installprefix" in
```

```
 ") dflt=`echo $prefix | sed 's#^/afs/#/afs/.#'`;;
 *) dflt="$installprefix";;
 esac
else
$cat <<EOM

In some special cases, particularly when building $package for distribution,
it is convenient to distinguish the directory in which files should be
installed from the directory ($prefix) in which they will
eventually
 reside.  For most users, these two directories are the same.

EOM
 case "$installprefix" in
 ") dflt=$prefix ;;
 *) dflt=$installprefix;;
 esac
fi
fn=d~
rp='What installation prefix should I use for installing files?'
. ./getfile
installprefix="$ans"
installprefixexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/installprefix.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Whoa.U,v 3.0.1.2 1997/02/28 15:21:21 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Whoa.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  15:21:21  ram
?RCS: patch61: whoa script now starts with leading "startsh"
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  16:02:01  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:19  ram
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in in order
?X: to warn the user in case a change into a variable
 is noticed.
?X:
?X: To use this unit, $was must hold the old value that has changed. Upon
?X: exit, the two variables $td and $tu are set to the correct value for
?X: respectively defining or undefining a variable. For instance, if $vas was
?X: $undef, but now $var is $define, after calling . whoa, you should use
?X: eval "$var=\$tu" to finally set $var to the correct value. See unit Inlibc.
?X:
?MAKE:Whoa: Myread startsh hint
?MAKE: -pick add $@ %<
?F:./whoa
?T:var was td tu hintfile
: set up the script used to warn in case of inconsistency
cat <<EOS >whoa
$startsh
EOS
cat <<'EOSC' >>whoa
dflt=y
case "$hint" in
   recommended)
 case "$hintfile" in
 ") echo "The $hint value for \$$var on this machine was \"$was\"!" >&4
  ;;
 *) echo "Hmm.  Based on the hints in hints/$hintfile.sh, " >&4
  echo "the $hint value for \$$var on this machine was \"$was\"!" >&4
  ;;
 esac
 ;;
   *) echo " "
 echo "*** WHOA THERE!!! ***" >&4
 echo "    The $hint value for \$$var on this machine was
 \"$was\"!" >&4
 ;;
esac
rp="    Keep the $hint value?"
. ./myread
case "$ans" in
y) td=$was; tu=$was;;
esac
EOSC
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Whoa.U

No license file was found, but licenses were detected in source scan.

```
/*
* $Id: getopt.C,v 3.0.1.1 1994/01/24 13:58:40 ram Exp ram $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* Original Author: unknown, got this off net.sources
*
* $Log: getopt.C,v $
* Revision 3.0.1.1  1994/01/24  13:58:40  ram
* patch16: created
*
*/
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/C/fake/getopt.C
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: baserev.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: baserev.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:24  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:baserev: Null
?MAKE: -pick wipe $@ %<
?S:baserev:
?S: The base revision level of this package, from the .package file.
?S:.
: set the base revision
baserev=<BASEREV>
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/baserev.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: End.U,v 3.0 1993/08/18 12:04:51 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: End.U,v $
?RCS: Revision 3.0  1993/08/18  12:04:51  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit serves as the goal which forces make to choose all the units that
?X: ask questions.  The $W on the ?MAKE: line is the list of all symbols wanted.
?X: To force any unit to be included, copy this unit to your private U directory
?X: and add the name of the unit desired to the ?MAKE: dependency line.
?X:
?MAKE:End perllibs: $W cppstdin gzip zip
 libs usedl osname osvers
?MAKE: -pick add $@ %<
?S:perllibs:
?S: The list of libraries needed by Perl only (any libraries needed
?S: by extensions only will by dropped, if using dynamic loading).
?S:.
?INIT:perllibs="
?LINT:use $W
?LINT:use gzip zip
?LINT:change cppstdin
: Remove libraries needed only for extensions
: The appropriate ext/Foo/Makefile.PL will add them back in, if necessary.
: The exception is SunOS 4.x, which needs them.
case "${osname}X${osvers}" in
sunos*X4*)
   perllibs="$libs"
   ;;
*) case "$usedl" in
   $define|true|[yY]*)
     set X `echo " $libs " | sed -e 's@ -lndbm @ @' -e 's@ -lgdbm @ @' -e 's@ -lgdbm_compat @ @' -e 's@ -ldbm @ @' -e 's@ -ldb @ @'`
     shift
```

```
    perllibs="$*"
    ;;
  *) perllibs="$libs"
    ;;
  esac
  ;;
esac

?X: If the user has the cppstdin wrapper, perl.c will try to call
?X: CPPSTDIN, but that will point to a location in the build
?X: directory, not the installed version!.  Here, we'll just strip the
?X: name down to 'cppstdin',
 and rely on the fact that perl.c will
?X: then call SCRIPTDIR/cppstdin, but local things like 'make depend'
?X: will continue to work.
: Remove build directory name from cppstdin so it can be used from
: either the present location or the final installed location.
echo " "
: Get out of the UU directory to get correct path name.
cd ..
case "$cppstdin" in
`pwd`/cppstdin)
 echo "Stripping down cppstdin path name"
 cppstdin=cppstdin
 ;;
esac
cd UU

: end of configuration questions
echo " "
echo "End of configuration questions."
echo " "
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/End.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
```

```
?MAKE:siteman3dir siteman3direxp installsiteman3dir: Getfile \
 Setprefixvar prefix siteprefix man3dir sed
?MAKE: -pick add $@ %<
?Y:TOP
?D:siteman3dir=''
?S:siteman3dir:
?S: This variable contains the name of the directory in which site-specific
?S: library man source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S: The standard distribution will put nothing in this directory.
?S: After
 perl has been installed, users may install their own local
?S: man3 pages in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:siteman3direxp=''
?S:siteman3direxp:
?S: This variable is the same as the siteman3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installsiteman3dir=''
?S:installsiteman3dir:
?S: This variable is really the same as siteman3direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man3direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installsiteman3dir
?LINT:set siteman3dir
?LINT:set siteman3direxp
: determine where add-on library man pages go
case "$siteman3dir" in
'') dflt=`echo $man3dir | $sed "s#^$prefix#$siteprefix#"` ;;
*) dflt=$siteman3dir ;;
esac
case "$dflt" in
'|' ') dflt=none ;;
esac
fn=dn+~
rp='Pathname
 where the site-specific library manual pages should be installed?'
. ./getfile
prefixvar=siteman3dir
. ./setprefixvar
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/siteman3dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_group.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_group.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  15:34:52  ram
?RCS: patch61: useless unit dropped.
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:07:48  ram
?RCS: patch32: created by ADO
?RCS:
?X:
?X: Useless unit dropped.
?X:
?LINT:empty
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_group.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: etc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: etc.U,v $
?RCS: Revision 3.0  1993/08/18  12:08:07  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
```

```
?MAKE:etc etcexp: Getfile Loc Oldconfig
?MAKE: -pick add $@ %<
?S:etc:
?S: This variable holds the name of the directory in which the user wants
?S: to put "administrative" executable images for the package in question.
?S: It is most often a local directory such as /usr/local/etc. Programs
?S: relying on this variable must be prepared to deal with
 ~name
?S: substitutions.
?S:.
?S:etcexp:
?S: This is the same as the etc variable, but is filename expanded at
?S: configuration time, for convenient use in makefiles.
?S:.
: determine where administrative executables go
case "$etc" in
")
 dflt=`./loc . /local/etc /usr/local/etc /local/etc /usr/etc /etc`
 ;;
*)
 dflt="$etc"
 ;;
esac
fn=d~
rp='Where should the administrative executables go?'
. ./getfile
etc="$ans"
etcexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/etc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: install.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: install.U,v $
?RCS: Revision 3.0.1.2  1995/09/25  09:16:37  ram
?RCS: patch59: all possible install programs are now looked for
?RCS:
```

```
?RCS: Revision 3.0.1.1  1995/01/11  15:30:41  ram
?RCS: patch45: created
?RCS:
?MAKE:install installdir: Loc Oldconfig Getfile cat test startsh rm +cc \
 eunicefix package contains mkdir echo n c
?MAKE: -pick add $@ %<
?S:install:
?S: This variable contains the name of an install program that can accept
?S: BSD-style arguments.
 It must correctly support -c, -s, and -m at least.
?S: It is a fully qualified pathname when found. If you have a local
?S: install.SH file at the root directory of your package, it is assumed to
?S: be the default script emulating a BSD install and the variable will be
?S: set to ./install. Otherwise, it is set to plain 'install', relying on
?S: the user's PATH to perform miracles.
?S:.
?S:installdir:
?S: This variable contains the name of a program that can install nested
?S: directories. Often set to 'mkdir -p', it can also be 'install -d' if
?S: you have such a beast and lack the former. If you have an install.SH
?S: file at the root directory of your package, it will be used in last
?S: resort, setting the variable to './install -d'. Otherwise, it is set to
?S: plain 'mkdir', and cross your fingers!
?S:.
?T:dir file tryit prog creatdir either
?F:!tryinst
: locate a BSD compatible install program
echo " "
echo "Looking for a BSD-compatible install program..." >&4
@if installdir
creatdir="
@end
case
 "$install" in
")
 tryit="
 for dir in $pth; do
  for file in ginstall installbsd scoinst install; do
   if $test -f $dir/$file; then
    tryit="$tryit $dir/$file"
   fi
  done
 done
 $cat >try.c <<EOC
int main()
{
 printf("OK\n");
 exit(0);
```

```
}
EOC
 if $cc -o try try.c >/dev/null 2>&1; then
  cp try try.ns
  strip try >/dev/null 2>&1
 else
  echo "(I can't seem to compile a trivial C program -- bypassing.)"
  echo "try" >try
  cp try try.ns
 fi
 $cat >tryinst <<EOS
$startsh
$rm -rf foo d
@if installdir
\$1 -d foo/bar
@end
$mkdir d
\$1 -c -m 764 try.ns d
\$1 -c -s -m 642 try.ns d/try
EOS
 chmod +x tryinst
 $eunicefix tryinst
 dflt=''
 either=''
 for prog in $tryit; do
  $echo $n "Checking $prog... $c"
  ./tryinst $prog >/dev/null 2>&1
@if installdir
  if $test -d foo/bar; then
   creatdir="$prog -d"
  fi
@end
  (ls -l d/try >try.ls; ls -l d/try.ns >tryno.ls) 2>/dev/null
  if (cmp -s d/try try && cmp -s d/try.ns try.ns && \
   $contains 'rwxrw-r--' tryno.ls &&
 \
   $contains 'rw-r---w-' try.ls) >/dev/null 2>&1
  then
   dflt="$prog"
   echo "ok, that will do."
   break
  fi
  echo "not good$either."
  either=' either'
  $rm -f try*.ls
 done
 $rm -rf foo d tryinst try try*.ls try.*
 case "$dflt" in
```

```
 ")
@if {test -f ../install.SH}
  echo "Hopefully, $package comes with its own install script!"
  dflt='./install'
@else
  dflt='install'
@end
  ;;
 esac
 ;;
*) dflt="$install";;
esac
$cat <<EOM

I will be requiring a BSD-compatible install program (one that allows
options like -s to strip executables or -m to specify a file mode) to
install $package.

If the question below contains a fully qualified default path, then it
is probably ok. If it is an unqualified name such as 'install', then it
means I was unable to find out a good install program I could use. If
@if {test -f ../install.SH}
you know of one, please tell me about it. If the default is './install',
then I shall be using the install script supplied with $package.
@else
you know of one,
 please tell me about it.
@end

EOM
@if {test -f ../install.SH}
fn='/fe~(install,./install)'
@else
fn='/fe~(install)'
@end
rp='Which install program shall I use?'
. ./getfile
install="$ans"

@if installdir
: how can we create nested directories?
echo " "
echo "Ok, let's see how we can create nested directories..." >&4
case "$installdir" in
")
?X: First time, maybe we already found out a working one in $creatdir above...
?X: Prefer "mkdir -p" because of bugs in GNU install when not running as root
 $mkdir -p foo/bar >/dev/null 2>&1
```

```
 if $test -d foo/bar; then
  echo "Great, we can build them using 'mkdir -p'."
  creatdir='mkdir -p'
 else
  case "$creatdir" in
  ")
   if eval "$install -d foo/bar"; $test -d foo/bar; then
    creatdir="install -d"
    echo "It looks like '$creatdir' will do it for us."
   fi
   ;;
  *)
   eval "$creatdir foo/bar" >/dev/null 2>&1
   if $test -d foo/bar; then
    echo "Ah! We can use '$creatdir' to do just that."
   else
    creatdir="
   fi
   ;;
  esac
 fi
 $rm
 -rf foo
 case "$creatdir" in
 ")
  echo "Heck! Another ancient system lacking the comfort of modern ones!"
@if {test -f ../install.SH}
  echo "You can thank $package for bringing you its own install script!"
  installdir='./install -d'
@else
  echo "We have no choice but to use plain old 'mkdir' -- wish me luck!"
  installdir=mkdir
@end
  ;;
 *) installdir="$creatdir";;
 esac
 ;;
*) echo "As you already told me, '$installdir' should work.";;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/install.U
No license file was found, but licenses were detected in source scan.

?RCS: Id

```
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Myinit.U,v $
?RCS: Revision 3.0.1.1  1994/10/31  09:47:29  ram
?RCS: patch44: leading comment states this unit comes before option processing
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:07  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: If you want to initialize any default values, copy this unit to your
?X: personal U directory and add the assignments to the end.  This file
?X: is included after variables are initialized but before any old
?X: config.sh file is read in and before
 any Configure switch processing.
?X:
?MAKE:Myinit: Init
?MAKE: -pick add $@ %<
?LINT: nocomment
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Myinit.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Init.U,v $
?RCS: Revision 3.0.1.1  1994/10/31  09:45:59  ram
?RCS: patch44: removed Options from MAKE to prevent Init overrides
?RCS: patch44: option processing now done after Myinit thanks to new Begin.U
?RCS: patch44: moved "Beginning of configuration questions" to Begin.U
?RCS: patch44: moved signal trapping instruction to Begin.U as well
```

```
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:02  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This file initializes certain default variables
 used by Configure.  They
?X: may be overridden or added to by definitions in Myinit.U.
?X:
?MAKE:Init eunicefix _exe: Null
?MAKE: -pick add $@ %<
?MAKE: -pick weed $@ ./Init
?S:eunicefix:
?S: When running under Eunice this variable contains a command which will
?S: convert a shell script to the proper form of text file for it to be
?S: executable by the shell.  On other systems it is a no-op.
?S:.
?S:_exe (exe_ext):
?S: This variable defines the extension used for executable files.
?S: For unix it is empty.  Other possible values include '.exe'.
?S: DJGPP, Cygwin and OS/2 use '.exe'.  Stratus VOS uses '.pm'.
?S: On operating systems which do not require a specific extension
?S: for executable files, this variable is empty.
?S:.
?V:define undef smallmach:rmlist
?X:
?X: Throughout the units, one may make use of $define and $undef to reference
?X: a defined symbol or an undefined one. There is no need to add them in
?X: the dependency line since this unit makes them visible via ?V:, and
?X:
 everyone inherits from those symbols since by convention Init.U is the
?X: root dependency.
?X:
?T: DJGPP
: Initialize wide constants
define='define'
undef='undef'
smallmach='pdp11 i8086 z8000 i80286 iAPX286'
rmlist=''

: We must find out about Eunice early
eunicefix=':'
if test -f /etc/unixtovms; then
 eunicefix=/etc/unixtovms
fi
if test -f /etc/unixtovms.exe; then
 eunicefix=/etc/unixtovms.exe
fi
```

```
: Set executable suffix now -- needed before hints available
if test -f "/libs/version.library"; then
 : Amiga OS
  _exe=""
elif test -f "/system/gnu_library/bin/ar.pm"; then
 : Stratus VOS
 _exe=".pm"
elif test -n "$DJGPP"; then
 : DOS DJGPP
  _exe=".exe"
elif test -d c:/. ; then
 : OS/2 or cygwin
 _exe=".exe"
else
 : All other UNIX systems
 _exe=""
fi
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Init.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: patchlevel.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:18:41  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:31  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:patchlevel: package baserev test rsrc
?MAKE: -pick add $@ %<
?T:Revision
?S:patchlevel:
?S: The patchlevel level of this package.
?S: The value of patchlevel comes from the patchlevel.h file.
?S:.
```

```
: get the patchlevel
echo " "
echo "Getting the current patchlevel..." >&4
if $test -r
 $rsrc/patchlevel.h;then
 patchlevel=`awk \
  '/^#[  ]*define[  ][  ]*PATCHLEVEL/ {print $3}' \
  < $rsrc/patchlevel.h`
else
 patchlevel=0
fi
echo "(You have $package $baserev PL$patchlevel.)"
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/patchlevel.U
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/newsspool.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_bcopy.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_getlogin.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_inetaton.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_setpgid.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_tcgtpgrp.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_memory.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_select.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_rmdir.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_dlfcn.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_charsprf.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_alarm.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_setsid.U

* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_ctermid.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_msgctl.U
*
/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_raster.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_locconv.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_math.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Getfile.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_ffs.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_setegid.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/vaproto.U
*
/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_ckeypad.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_symlink.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_pipe2.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/prefshell.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/sbrktype.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_mkfifo.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_msgget.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_sbrk.U
*
/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_chroot.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_getprior.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_SHM_MAC.U
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No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?X: This unit generates a $hasstruct string that is used internally
?X: by Configure to check if this system has a field for a
?X: particular struct (of if this system has a particular struct!)
?X:
?X: To use it, say something like:
?X:  set d_statblocks stat i_sysstat sys/stat.h
?X:  eval $hasstruct
?X: Or, for more complicated sets of headers, do something like
?X: hdrs="$define sys/foo.h
?X:  $i_sysbar sys/bar.h
?X:  $i_syszot sys/zot.h
?X:  $i_zappa zappa.h"
?X: set d_statblocks stat $hdrs
?X: eval $hasstruct
?X:
?MAKE:Hasstruct: Setvar rm_try test Compile
?MAKE: -pick add $@ %<
?T:varname struct
?V:hasstruct
: Define hasstruct macro for Configure internal use
```

```
hasstruct='varname=$1; struct=$2; shift;
 shift;
while $test $# -ge 2; do
 case "$1" in
 $define) echo "#include <$2>";;
 esac ;
   shift 2;
done > try.c;
echo "int main () { struct $struct foo; }" >> try.c;
set try;
if eval $compile; then
 val="$define";
else
 val="$undef";
fi;
set $varname;
eval $setvar;
$rm_try'
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/protos/Hasstruct.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Warn_v7ND.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Warn_v7ND.U,v $
?RCS: Revision 3.0.1.1  1994/10/29  16:01:46  ram
?RCS: patch36: call ./v7 explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:18  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit warns V7 sites that they may not have a non-blocking read.
?X: This unit needs to be mentioned in End.U to get included.
?X:
?MAKE:Warn_v7ND: package Guess
?MAKE: -pick add $@ %<
: Warnings
```

```
if ./v7; then
 cat
 <<EOM

NOTE: many V7 systems do not have a way to do a non-blocking read.  If you
don't have any of FIONREAD, O_NDELAY, or rdchk(), the $package package
may not work as well as it might.  It might not work at all.
EOM
fi
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Warn_v7ND.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorprefix.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: vendorprefix.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:usevendorprefix vendorprefix vendorprefixexp +oldvendorprefix: \
 Getfile Loc Oldconfig cat prefix Myread
?MAKE: -pick add $@ %<
?S:usevendorprefix:
?S: This variable tells whether the vendorprefix
?S: and consequently other vendor* paths are in use.
?S:.
?S:vendorprefix:
?S: This variable holds the full absolute path of the directory below
?S: which
 the vendor will install add-on packages.
?S: See INSTALL for usage and examples.
?S:.
?S:vendorprefixexp:
?S: This variable holds the full absolute path of the directory below
?S: which the vendor will install add-on packages.  Derived from vendorprefix.
?S:.
?S:oldvendorprefix:
?S: This variable is set non-null if the vendorprefix was previously defined
```

```
?S: and gets set to a new value. Used internally by Configure only.
?S:.
: Set the vendorprefix variables
$cat <<EOM

The installation process will also create a directory for
vendor-supplied add-ons.  Vendors who supply perl with their system
may find it convenient to place all vendor-supplied files in this
directory rather than in the main distribution directory.  This will
ease upgrades between binary-compatible maintenance versions of perl.

Of course you may also use these directories in whatever way you see
fit.  For example, you might use them to access modules shared over a
company-wide network.

The default answer should be
 fine for most people.
This causes further questions about vendor add-ons to be skipped
and no vendor-specific directories will be configured for perl.

EOM
rp='Do you want to configure vendor-specific add-on directories?'
case "$usevendorprefix" in
define|true|[yY]*) dflt=y ;;
*) : User may have set vendorprefix directly on Configure command line.
 case "$vendorprefix" in
 "|' ') dflt=n ;;
 *) dflt=y ;;
 esac
 ;;
esac
. ./myread
case "$ans" in
[yY]*) fn=d~+
 rp='Installation prefix to use for vendor-supplied add-ons?'
 case "$vendorprefix" in
 ") dflt="$prefix" ;;
 *)  dflt=$vendorprefix ;;
 esac
 . ./getfile
 : XXX Prefixit unit does not yet support siteprefix and vendorprefix
 oldvendorprefix="
 case "$vendorprefix" in
 ") ;;
 *) case "$ans" in
  "$prefix") ;;
  *) oldvendorprefix="$prefix";;
  esac
```

```
  ;;
 esac
 usevendorprefix="$define"
 vendorprefix="$ans"
 vendorprefixexp="$ansexp"
 ;;
*) usevendorprefix="$undef"
 vendorprefix=''
 vendorprefixexp=''
 ;;
esac
```

Found in path(s):
*
/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorprefix.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Inhdr.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Inhdr.U,v $
?RCS: Revision 3.0.1.2  1995/05/12  12:01:31  ram
?RCS: patch54: deleted tabs that caused some /bin/sh to core dump (ADO)
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  15:55:01  ram
?RCS: patch36: call ./whoa explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:01  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit checks wether a set of header files exists or not.
?X: If the first header is not
 found, the function tries to locate
?X: the next header, and so on, until one is found or there is no
?X: more header in the list.
?X:
?X: To use it, say:
?X: set header i_header [ header2 i_header2 ... ]
?X: eval $inhdr
```

```
?X:
?MAKE:Inhdr: test Findhdr Whoa
?MAKE: -pick add $@ %<
?LINT:define inhdr
?V:inhdr
?S:inhdr:
?S: This shell variable is used internally by Configure to check
?S: wether a set of headers exist or not. A typical use is:
?S:  set header i_header [ header2 i_header2 ... ]
?S:  eval $inhdr
?S: That will print a message, saying wether header was found or not
?S: and set i_header* accordingly. If the first header is not found,
?S: we try the next one, until the list is empty or one is found.
?S:.
?T:xxx xxf var td xxnf tu yyy instead was cont
: define an alternate in-header-list? function
inhdr='echo " "; td=$define; tu=$undef; yyy=$@;
cont=true; xxf="echo \"<\$1> found.\" >&4";
case $# in 2) xxnf="echo \"<\$1> NOT found.\" >&4";;
*) xxnf="echo \"<\$1> NOT found, ...\" >&4";;
esac;
case
 $# in 4) instead=instead;; *) instead="at last";; esac;
while $test "$cont"; do
 xxx=`./findhdr $1`
 var=$2; eval "was=\$$2";
 if $test "$xxx" && $test -r "$xxx";
 then eval $xxf;
?X: Next line shifted left 1 tabstop to avoid sh core dump on MachTen 2.1.1.
 eval "case \"\$$var\" in $undef) . ./whoa; esac"; eval "$var=\$td";
  cont="";
 else eval $xxnf;
?X: Likewise, the next line has been shifted left 1 tabstop -- ADO, 08/03/95
 eval "case \"\$$var\" in $define) . ./whoa; esac"; eval "$var=\$tu"; fi;
 set $yyy; shift; shift; yyy=$@;
 case $# in 0) cont="";;
 2) xxf="echo \"but I found <\$1> $instead.\" >&4";
  xxnf="echo \"and I did not find <\$1> either.\" >&4";;
 *) xxf="echo \"but I found <\$1\> instead.\" >&4";
  xxnf="echo \"there is no <\$1>, ...\" >&4";;
 esac;
done;
?X: Remaining values are set to 'undef'
while $test "$yyy";
do set $yyy; var=$2; eval "was=\$$2";
 eval "case \"\$$var\" in $define) . ./whoa; esac"; eval "$var=\$tu";
 set $yyy; shift; shift; yyy=$@;
done'
```

Found
in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Inhdr.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: mansrc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: mansrc.U,v $
?RCS: Revision 3.0.1.9 1997/02/28 16:12:03 ram
?RCS: patch61: don't ask for AFS when they choose to not install pages
?RCS:
?RCS: Revision 3.0.1.8 1995/09/25 09:16:58 ram
?RCS: patch59: unit is now forced to the top of Configure, if possible
?RCS:
?RCS: Revision 3.0.1.7 1995/02/15 14:15:31 ram
?RCS: patch51: was mistakenly duplicating /usr/local/man/man1 (ADO)
?RCS: patch51: added /opt/man/man1 to the lookpath (ADO)
?RCS:
?RCS: Revision
3.0.1.6 1995/01/30 14:39:34 ram
?RCS: patch49: can now handle installation prefix changes (from WED)
?RCS:
?RCS: Revision 3.0.1.5 1995/01/11 15:32:25 ram
?RCS: patch45: can now use Loc variables since path stripping is deferred
?RCS:
?RCS: Revision 3.0.1.4 1994/08/29 16:30:38 ram
?RCS: patch32: now uses installation prefix for default setting
?RCS:
?RCS: Revision 3.0.1.3 1994/05/06 15:11:10 ram
?RCS: patch23: added lint hint, assuring that nroff is used
?RCS:
?RCS: Revision 3.0.1.2 1994/01/24 14:14:39 ram
?RCS: patch16: now uses _nroff in case user asked for portability
?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 16:09:31 ram
?RCS: patch10: allows for L1 man page extension (WAD)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:14 ram

```
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:mansrc mansrcexp manext installmansrc: afs cat nroff Loc Oldconfig \
 sysman spackage test Getfile Prefixit prefixexp Prefixup
?MAKE: -pick add $@ %<
?Y:TOP
?S:mansrc:
?S: This variable
 contains the name of the directory in which manual
?S: source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?S:mansrcexp:
?S: This variable is the same as the mansrc variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?S:installmansrc:
?S: This variable is really the same as mansrcexp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: mansrcexp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:manext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '1'.  The Makefile must supply the '.'.
?S: See mansrc.
?S:.
?T:lookpath
: determine where manual pages go
set mansrc mansrc none
eval $prefixit
$cat <<EOM

$spackage has manual
 pages available in source form.
EOM
case "$nroff" in
nroff)
 echo "However, you don't have nroff, so they're probably useless to you."
 case "$mansrc" in
 ") mansrc="none";;
 esac;;
esac
echo "If you don't want the manual sources installed, answer 'none'."
case "$mansrc" in
")
 lookpath="$prefixexp/share/man/man1 $prefixexp/man/man1"
```

```
 lookpath="$lookpath $prefixexp/man/u_man/man1 $prefixexp/man/l_man/man1"
 lookpath="$lookpath /usr/local/man/man1 /opt/man/man1 /usr/man/manl"
 lookpath="$lookpath /usr/share/man/man1 /usr/local/share/man/man1"
 lookpath="$lookpath /usr/man/local/man1 /usr/man/l_man/man1"
 lookpath="$lookpath /usr/local/man/u_man/man1 /usr/local/man/l_man/man1"
 lookpath="$lookpath /usr/man/man.L"
 mansrc=`./loc . $prefixexp/man/man1 $lookpath`
 if $test -d "$mansrc"; then
  dflt="$mansrc"
 else
  dflt="$sysman"
 fi
 set dflt
 eval $prefixup
 ;;
' ') dflt=none;;
*)  dflt="$mansrc"
 ;;
esac
echo " "
fn=dn~
rp='Where do the manual pages (source) go?'
. ./getfile
if test
 "X$mansrcexp" != "X$ansexp"; then
 installmansrc="
fi
mansrc="$ans"
mansrcexp="$ansexp"
case "$mansrc" in
") mansrc=' '
 installmansrc=";;
esac
if $afs && $test "$mansrc"; then
 $cat <<EOM

Since you are running AFS, I need to distinguish the directory in which
manual pages reside from the directory in which they are installed (and from
which they are presumably copied to the former directory by occult means).

EOM
 case "$installmansrc" in
 ") dflt=`echo $mansrcexp | sed 's#^/afs/#/afs/.#'`;;
 *) dflt="$installmansrc";;
 esac
 fn=de~
 rp='Where will man pages be installed?'
 . ./getfile
```

```
 installmansrc="$ans"
else
 installmansrc="$mansrcexp"
fi

case "$mansrc" in
' ') manext='0';;
*l) manext=l;;
*n) manext=n;;
*o) manext=l;;
*p) manext=n;;
*C) manext=C;;
*L) manext=L;;
*L1) manext=L1;;
*) manext=1;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/mansrc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: lns.U,v 3.0.1.1 1994/06/20 07:05:52 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: lns.U,v $
?RCS: Revision 3.0.1.1  1994/06/20  07:05:52  ram
?RCS: patch30: created by ADO
?RCS:
?X:
?X: This unit checks whether symbolic links are really supported.
?X: We can't rely on d_symlink because that may be listed in the
?X: C library but unimplemented.
?X:
?MAKE:lns: ln rm touch
?MAKE: -pick add $@ %<
?S:lns:
?S: This variable holds the name of the command to make
?S: symbolic
```

```
 links (if they are supported).  It can be used
?S: in the Makefile. It is either 'ln -s' or 'ln'
?S:.
: determine whether symbolic links are supported
echo " "
$touch blurfl
if $ln -s blurfl sym > /dev/null 2>&1 ; then
 echo "Symbolic links are supported." >&4
 lns="$ln -s"
else
 echo "Symbolic links are NOT supported." >&4
 lns="$ln"
fi
$rm -f blurfl sym
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/lns.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Unix.U,v 3.0.1.1 1997/02/28 15:20:06 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Unix.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:20:06  ram
?RCS: patch61: created
?RCS:
?X:
?X: The purpose of this unit is to define things that are common across all
?X: known UNIX platforms. If Configure is ported/used on a non-UNIX
?X: environment, then some of the following variables can be redefined in hint
?X: files.
?X:
?MAKE:Unix _exe _a _o exe_ext lib_ext obj_ext path_sep \
 firstmakefile archobjs rm_try: Oldconfig rm
?MAKE: -pick add $@ %<
?S:_exe:
?S: This
 variable defines the extension used for executable files.
?S: DJGPP, Cygwin and OS/2 use '.exe'.  Stratus VOS uses '.pm'.
?S: On operating systems which do not require a specific extension
```

```
?S: for executable files, this variable is empty.
?S:.
?S:_a:
?S: This variable defines the extension used for ordinary library files.
?S: For unix, it is '.a'.  The '.' is included.  Other possible
?S: values include '.lib'.
?S:.
?S:_o:
?S: This variable defines the extension used for object files.
?S: For unix, it is '.o'.  The '.' is included.  Other possible
?S: values include '.obj'.
?S:.
?S:firstmakefile:
?S: This variable defines the first file searched by make.  On unix,
?S: it is makefile (then Makefile).  On case-insensitive systems,
?S: it might be something else.  This is only used to deal with
?S: convoluted make depend tricks.
?S:.
?S:archobjs:
?S: This variable defines any additional objects that must be linked
?S: in with the program on this architecture.  On unix, it is usually
?S: empty.
  It is typically used to include emulations of unix calls
?S: or other facilities.  For perl on OS/2, for example, this would
?S: include os2/os2.obj.
?S:.
?X: Metaconfig's Obsolete symbol stuff is too over-eager.  In the
?X: perl sources, it picks up things like "P" and "FLOCK" that are
?X: not used in the way Metaconfig thinks they are.  Thus I can't
?X: just declare these obsolete and then run metaconfig -o.
?X: Instead, I'll just handle them here.
?X: Sadly, history has conspired to give us a web of definitions;
?X: this could have been much simpler.
?S:lib_ext:
?S: This is an old synonym for _a.
?S:.
?S:exe_ext:
?S: This is an old synonym for _exe.
?S:.
?S:obj_ext:
?S: This is an old synonym for _o.
?S:.
?S:path_sep:
?S: This is an old synonym for p_ in Head.U, the character
?S: used to separate elements in the command shell search PATH.
?S:.
?S:rm_try:
?S: This is a cleanup variable for try test programs.
```

```
?S: Internal Configure use only.
?S:.
?LINT: change p_
?INIT::
 Trailing extension.  Override this in a hint file, if needed.
?INIT:: Extra object files, if any, needed on this platform.
?INIT:archobjs="
: Define several unixisms.
: Hints files or command line option can be used to override them.
: The convoluted testing is in case hints files set either the old
: or the new name.
case "$_exe" in
") case "$exe_ext" in
 ") ;;
 *) _exe="$exe_ext" ;;
 esac
 ;;
esac
case "$_a" in
") case "$lib_ext" in
   ") _a='.a';;
 *) _a="$lib_ext" ;;
 esac
 ;;
esac
case "$_o" in
") case "$obj_ext" in
 ") _o='.o';;
 *) _o="$obj_ext";;
 esac
 ;;
esac
case "$p_" in
") case "$path_sep" in
 ") p_=':';;
 *) p_="$path_sep";;
 esac
 ;;
esac
exe_ext=$_exe
lib_ext=$_a
obj_ext=$_o
path_sep=$p_

rm_try="$rm -f try try$_exe a.out .out try.[cho] try.$_o core core.try* try.core*"

@if firstmakefile
: Which makefile gets called first.  This is used by make depend.
```

```
case "$firstmakefile" in
") firstmakefile='makefile';;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Unix.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Myinit.U,v 3.0 1993/08/18 12:05:07 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: This file is included with or a derivative work of a file included
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.
?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS:
?RCS:     You may distribute under the terms of either the GNU General Public
?RCS:     License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: Myinit.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:07  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: If you want to initialize any default values, copy this unit to your
?X: personal U directory and add the assignments to the end.  This file
?X: is included after variables are initialized but before any old
?X: config.sh file is read in and before any Configure switch processing.
?X:
?MAKE:Myinit
 libswanted: Init
?MAKE: -pick add $@ %<
?S:libswanted:
?S: This variable holds a list of all the libraries we want to
?S: search.  The order is chosen to pick up the c library
?S: ahead of ucb or bsd libraries for SVR4.
?S:.
?LINT:extern usevfork glibpth
?LINT:change usevfork glibpth
: List of libraries we want.
?X: Put crypt here, even though I should really fix d_crypt.U to look
?X: for it correctly, including possible shared library versions.
: If anyone needs extra -lxxx, put those in a hint file.
libswanted="cl pthread socket bind inet ndbm gdbm dbm db malloc dl ld"
libswanted="$libswanted sun m crypt sec util c cposix posix ucb bsd BSD"
```

```
: We probably want to search /usr/shlib before most other libraries.
: This is only used by the lib/ExtUtils/MakeMaker.pm routine extliblist.
glibpth=`echo " $glibpth " | sed -e 's! /usr/shlib ! !'`
glibpth="/usr/shlib $glibpth"
: Do not use vfork unless overridden by a hint file.
usevfork=false
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Myinit.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: kernel.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: kernel.U,v $
?RCS: Revision 3.0  1993/08/18  12:08:54  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:kernel: Getfile test
?MAKE: -pick add $@ %<
?S:kernel:
?S: This variable becomes the (fully rooted) path name of the kernel.
?S:.
: find the name of the kernel.
echo " "
case "$kernel" in
")
 if $test -r /unix; then
  dflt=/unix
 elif $test -r /vmunix; then
  dflt=/vmunix
 elif $test -r /xenix; then
  dflt=/xenix
 elif $test -r /mach; then
  dflt=/mach
 elif
 $test -r /dgux; then
  dflt=/dgux
 elif $test -r /hp-ux; then
  dflt=/hp-ux
```

```
 elif $test -r /syst; then
  dflt=/syst
 elif $test -r /arix; then
  dflt=/arix
 elif $test -r /irix; then
  dflt=/arix
 else
  dflt='unknown'
  set X /*x
  shift
  case $# in
  1)
   if $test -r "$1"; then
    dflt="$1"
   fi
   ;;
  esac
 fi
 ;;
*)
 dflt="$kernel"
 ;;
esac
fn=f
rp='What is the name of your kernel?'
. ./getfile
kernel="$ans"
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/kernel.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: sitescript.U,v $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: sitescript.U,v $
?RCS:
?MAKE:sitescript sitescriptexp installsitescript : Getfile Oldconfig test \
 Setprefixvar sitebin siteprefix
?MAKE: -pick add $@ %<
```

```
?Y:TOP
?D:sitescript=''
?S:sitescript:
?S: This variable holds the name of the directory in which the user wants
?S: to put add-on publicly executable files for the package in question.  It
?S: is most often a local directory such as /usr/local/bin. Programs using
?S: this variable must be prepared to deal with ~name substitution.
?S: The standard
 distribution will put nothing in this directory.
?S: After perl has been installed, users may install their own local
?S: scripts in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:sitescriptexp=''
?S:sitescriptexp:
?S: This is the same as the sitescript variable, but is filename expanded at
?S: configuration time, for use in your makefiles.
?S:.
?D:installsitescript=''
?S:installsitescript:
?S: This variable is usually the same as sitescriptexp, unless you are on
?S: a system running AFS, in which case they may differ slightly. You
?S: should always use this variable within your makefiles for portability.
?S:.
?LINT:change prefixvar
?LINT:set installsitescript
?LINT:set sitescript
?LINT:set sitescriptexp
: determine where add-on public executable scripts go
case "$sitescript" in
'') dflt=$siteprefix/script
 $test -d $dflt || dflt=$sitebin ;;
*)  dflt="$sitescript" ;;
esac
fn=d~+
rp='Pathname where add-on public executable scripts
 should be installed?'
. ./getfile
prefixvar=sitescript
. ./setprefixvar
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/sitescript.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: vendorman1dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $

```
?RCS:
?RCS: Copyright (c) 1999, Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: vendorman1dir.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:vendorman1dir vendorman1direxp installvendorman1dir: man1dir Getfile \
 Oldconfig Setprefixvar Prefixit test vendorprefix prefix sed
?MAKE: -pick add $@ %<
?Y:TOP
?S:vendorman1dir:
?S: This variable contains the name of the directory for man1
?S: pages.  It may have a ~ on the front.
?S: The standard distribution will put nothing in this directory.
?S: Vendors
 who distribute perl may wish to place their own
?S: man1 pages in this directory with
?S:  MakeMaker Makefile.PL INSTALLDIRS=vendor
?S: or equivalent.  See INSTALL for details.
?S:.
?S:vendorman1direxp:
?S: This variable is the ~name expanded version of vendorman1dir, so that you
?S: may use it directly in Makefiles or shell scripts.
?S:.
?D:installvendorman1dir=''
?S:installvendorman1dir:
?S: This variable is really the same as vendorman1direxp but may differ on
?S: those systems using AFS. For extra portability, only this variable
?S: should be used in makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installvendorman1dir
: Set the vendorman1dir variables
case "$vendorprefix" in
'') vendorman1dir=''
 vendorman1direxp=''
 ;;
*) : determine where vendor-supplied manual pages go.
 case "$vendorman1dir" in
 '') dflt=`echo "$man1dir" | $sed "s#^$prefix#$vendorprefix#"` ;;
 *) dflt=$vendorman1dir ;;
```

```
 esac
 case "$dflt" in
 "|' ') dflt=none ;;
 esac
 fn=nd~+
 rp='Pathname for
 the vendor-supplied manual section 1 pages?'
 . ./getfile
 vendorman1dir="$ans"
 vendorman1direxp="$ansexp"
 ;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorman1dir" = "X" && vendorman1dir=' '
prefixvar=vendorman1dir
. ./installprefix
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorman1dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: manfmt.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: manfmt.U,v $
?RCS: Revision 3.0.1.5  1997/02/28  16:11:57  ram
?RCS: patch61: don't ask for AFS when they choose to not install pages
?RCS:
?RCS: Revision 3.0.1.4  1995/09/25  09:16:52  ram
?RCS: patch59: unit is now forced to the top of Configure, if possible
?RCS:
?RCS: Revision 3.0.1.3  1995/01/30  14:39:20  ram
?RCS: patch49: new installmanfmt and AFS-lookup for formatted man pages
?RCS: patch49: can now handle installation prefix changes (from WED)
?RCS:
?RCS:
 Revision 3.0.1.2  1994/08/29  16:30:31  ram
?RCS: patch32: now uses installation prefix for default setting
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:09:22  ram
```

```
?RCS: patch10: allows for L1 man page extension (WAD)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:13  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:manfmt manfmtexp installmanfmt: Getfile Loc Oldconfig cat manext \
 spackage Prefixit prefixexp Prefixup afs test
?MAKE: -pick add $@ %<
?Y:TOP
?S:manfmt:
?S: This variable contains the name of the directory in which formatted
?S: manual pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command. Note
?S: that you may have to do ~name substitution. Use manfmtexp otherwise.
?S:.
?S:manfmtexp:
?S: This is the same as the manfmt variable, but is filename expanded
?S: at configuration time, for programs not willing to deal with it at
?S: run-time.
?S:.
?S:installmanfmt:
?S: This variable is really
 the same as manfmtexp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: mansrcexp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change manext
?T:lookpath
: determine where manual pages go
set manfmt manfmt
eval $prefixit
$cat <<EOM

$spackage has pre-formatted manual pages.  If you don't want these installed,
answer 'none' to the next question.

EOM
case "$manfmt" in
")
 lookpath="$prefixexp/catman/man1 $prefixexp/man/cat1"
 lookpath="$lookpath $prefixexp/catman/u_man/man1"
 lookpath="$lookpath $prefixexp/catman/l_man/man1"
 lookpath="$lookpath $prefixexp/catman/cat1 /usr/catman/local/man1"
 lookpath="$lookpath /usr/catman/manl /usr/man/cat1"
 lookpath="$lookpath /usr/catman/mann /usr/catman/l_man/man1"
 lookpath="$lookpath /usr/catman/u_man/man1 /usr/catman/man1"
 dflt=`./loc . none $lookpath`
```

```
 set dflt
 eval $prefixup
 ;;
*)  dflt="$manfmt"
 ;;
esac
fn=dn~
rp='Where
 do pre-formatted manual pages go?'
. ./getfile
if test "X$manfmtexp" != "X$ansexp"; then
 installmanfmt=''
fi
manfmt="$ans"
manfmtexp="$ansexp"
if $afs && $test "$manfmt"; then
 $cat <<EOM

Since you are running AFS, I need to distinguish the directory in which
manual pages reside from the directory in which they are installed (and from
which they are presumably copied to the former directory by occult means).

EOM
 case "$installmanfmt" in
 '') dflt=`echo $manfmtexp | sed 's#^/afs/#/afs/.#'`;;
 *) dflt="$installmanfmt";;
 esac
 fn=de~
 rp='Where will pre-formatted man pages be installed?'
 . ./getfile
 installmanfmt="$ans"
else
 installmanfmt="$manfmtexp"
fi

case "$manfmt" in
'') manext='0';;
*l) manext=l;;
*n) manext=n;;
*o) manext=l;;
*p) manext=n;;
*C) manext=C;;
*L) manext=L;;
*L1) manext=L1;;
*) manext=1;;
esac

Found in path(s):
```

* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/manfmt.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Prefixup.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Prefixup.U,v $
?RCS: Revision 3.0.1.1  1995/01/30  14:30:40  ram
?RCS: patch49: created
?RCS:
?X:
?X: Used as: "set dflt; eval $prefixup" to set $dflt to be $prefix/dir
?X: instead of $prefixexp/dir, in case portability was involved somehow
?X: and $prefix uses ~name expansion.
?X:
?MAKE:Prefixup: prefix prefixexp
?MAKE: -pick add $@ %<
?LINT:define prefixup
?S:prefixup:
?S: This shell variable is used internally by Configure to reset
?S: the leading
 installation prefix correctly when $prefix uses
?S: ~name expansion.
?S:  set dflt
?S:  eval $prefixup
?S: That will set $dflt to $prefix/dir if it was $prefixexp/dir and
?S: $prefix differs from $prefixexp.
?S:.
?V:prefixup
: set the prefixup variable, to restore leading tilda escape
prefixup='case "$prefixexp" in
"$prefix") ;;
*) eval "$1=\`echo \$$1 | sed \"s,^$prefixexp,$prefix,\"\`";;
esac'
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Prefixup.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Null.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Null.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:10  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit ends up producing shell code to set all variables to ".  This
?X: probably isn't necessary, but I'm paranoid.  About certain things.
?X:
?MAKE:Null: Head
?MAKE: -pick add.Null $@ %<
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Null.U
No license file was found, but licenses were detected in source scan.

```
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:perladmin: cf_email Oldconfig Myread cat
?MAKE: -pick add $@ %<
?Y:TOP
?S:perladmin:
?S: Electronic mail address of the perl5 administrator.
?S:.
: Ask e-mail of administrator
$cat <<EOM

If you or somebody else will be maintaining perl at your site, please
fill in the correct e-mail address here so that they may be contacted
if necessary. You may enter "none" for no administrator.

EOM
case "$perladmin" in
") dflt="$cf_email";;
*) dflt="$perladmin";;
```

```
esac
rp='Perl administrator e-mail address'
. ./myread
perladmin="$ans"
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/perladmin.U
No license file was found, but licenses were detected in source scan.

```
# $Id: makedepend.sh,v 3.0.1.1 1994/01/24 14:00:05 ram Exp ram $
#
#  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
#  You may redistribute only under the terms of the Artistic Licence,
#  as specified in the README file that comes with the distribution.
#  You may reuse parts of this distribution only within the terms of
#  that same Artistic Licence; a copy of which may be found at the root
#  of the source tree for dist 4.0.
#
# Original Author: Larry Wall <lwall@netlabs.com>
#
# $Log: makedepend.sh,v $
# Revision 3.0.1.1  1994/01/24  14:00:05  ram
# patch16: changed top ln-style config.sh lookup into test-style one
#
# Revision 3.0  1993/08/18  12:04:37  ram
# Baseline for dist 3.0 netwide release.
#
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/makedepend.SH
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: lns.U,v $
```

```
?RCS: Revision 3.0.1.1  1994/06/20  07:05:52  ram
?RCS: patch30: created by ADO
?RCS:
?X:
?X: This unit checks whether symbolic links are really supported.
?X: We can't rely on d_symlink because that may be listed in the
?X: C library but unimplemented.
?X:
?MAKE:lns: ln rm touch test
?MAKE: -pick add $@ %<
?S:lns:
?S: This variable holds the name of the command to make
?S: symbolic links (if they are supported).
  It can be used
?S: in the Makefile. It is either 'ln -s' or 'ln'
?S:.
: determine whether symbolic links are supported
echo " "
$rm -f blurfl sym
$touch blurfl
if $ln -s blurfl sym > /dev/null 2>&1 && $test -f sym; then
 echo "Symbolic links are supported." >&4
 lns="$ln -s"
else
 echo "Symbolic links are NOT supported." >&4
 lns="$ln"
fi
$rm -f blurfl sym
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/lns.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: packadmin.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?MAKE:packadmin: cf_email Oldconfig Myread cat spackage package
?MAKE: -pick add $@ %<
?Y:TOP
```

```
?S:packadmin:
?S: Electronic mail address of the package administrator.
?S:.
: check wehther they will act as local admin for the package
$cat <<EOM

If you or somebody else will be maintaining $package at your site, please
fill in the correct e-mail address here so that they may be contacted
if necessary.  You may enter "none"
 for no administrator.

EOM
case "$packadmin" in
") dflt="$cf_email";;
*) dflt="$packadmin";;
esac
rp="$spackage administrator e-mail address"
. ./myread
packadmin="$ans"
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/packadmin.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: longsize.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: longsize.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  16:09:35  ram
?RCS: patch61: code moved to intsize.U
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  16:24:31  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:07  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: 'longsize' is now defined within intsize.U
?X:
```

```
?LINT: empty

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/longsize.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: startsh.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: startsh.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:25:31  ram
?RCS: patch61: avoid needless chatter since this is now done very early
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:51  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:startsh: sh sharpbang eunicefix
?MAKE: -pick add $@ %<
?S:startsh:
?S: This variable contains the string to put on the front of a shell
?S: script to make sure (hopefully) that it runs with sh and not some
?S: other
 shell.
?S:.
?F:!sharp
: figure out how to guarantee sh startup
?X: Avoid needless chatter since this is now done very early.
?X: echo " "
?X: echo "Checking out how to guarantee sh startup..." >&2
case "$startsh" in
") startsh=${sharpbang}${sh} ;;
*)
?X: echo "Let's see if '$startsh' works..." ;;
esac
cat >sharp <<EOSS
$startsh
set abc
test "$?abc" != 1
EOSS
```

```
chmod +x sharp
$eunicefix sharp
if ./sharp; then
 : echo "Yup, it does."
else
 echo "Hmm... '$startsh' does not guarantee sh startup..."
 echo "You may have to fix up the shell scripts to make sure $sh runs them."
fi
rm -f sharp
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/startsh.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libs.U,v $
?RCS: Revision 3.0.1.6  1997/02/28  16:09:11  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.5  1995/07/25  14:12:05  ram
?RCS: patch56: now knows about OS/2 platforms
?RCS:
?RCS: Revision 3.0.1.4  1994/10/29  16:24:22  ram
?RCS: patch36: removed old broken thislib/thatlib processing (ADO)
?RCS:
?RCS: Revision 3.0.1.3  1994/06/20  07:05:44  ram
?RCS: patch30: code cleanup with if/elif by ADO and RAM
?RCS: patch30: undone patch23 for libswanted default
 setting
?RCS:
?RCS: Revision 3.0.1.2  1994/05/06  15:08:45  ram
?RCS: patch23: now includes ordered default libswanted variable (ADO)
?RCS: patch23: major cleanup for library lookups (ADO)
?RCS:
?RCS: Revision 3.0.1.1  1993/08/25  14:02:31  ram
?RCS: patch6: added default for libs
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:03  ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libs libsfound libsfiles libsdirs libspath libscheck: \
 test cat Myread Oldconfig Loc libpth package xlibpth so _a \
 +usesocks sed +cc +ccflags +ldflags rm
?MAKE: -pick add $@ %<
?S:libs:
?S: This variable holds the additional libraries we want to use.
?S: It is up to the Makefile to deal with it.  The list can be empty.
?S:.
?S:libsfound:
?S: This variable holds the full pathnames of the libraries
?S: we found and accepted.
?S:.
?S:libsfiles:
?S: This variable holds the filenames aka basenames of the libraries
?S: we found and accepted.
?S:.
?S:libsdirs:
?S: This variable holds the directory
 names aka dirnames of the libraries
?S: we found and accepted, duplicates are removed.
?S:.
?S:libspath:
?S: This variable holds the directory names probed for libraries.
?S:.
?S:libscheck:
?S: This variable is intended to be set by hint files, if needed.
?S: It should contain shell code that will be eval'ed with $xxx holding
?S: some library file.  It may change $xxx if needed.
?S: For instance, on an Irix platform, you may make sure the right
?S: library file is used depending on the cc command line, so that the
?S: correct library is used depending on the selected ABI (for 32 and
?S: 64-bit compilations).
?S:
?S: Here is an example of code that could be found in a hint file on Irix
?S: when the selected compiler was for 32-bit -- that code is put in the
?S: cc.cbu call-back unit to be invoked AFTER the C compiler and its
?S: flags have been chosen:
?S:
?S:  libscheck='case "$xxx" in
?S:  *.a) /bin/ar p $xxx `/bin/ar t $xxx | sed q` >$$.o;
?S:   case "`/usr/bin/file $$.o`" in
?S:   *N32*)
 rm -f $$.o ;;
?S:   *) rm -f $$.o; xxx=/no/n32$xxx ;;
?S:   esac ;;
?S:  *) case "`/usr/bin/file $xxx`" in
```

```
?S:   *N32*) ;;
?S:   *) xxx=/no/n32$xxx ;;
?S:   esac ;;
?S:  esac'
?S:.
?D:libs=''
?LINT:extern libswanted
?LINT:change libswanted
?INIT:: default library list
?INIT:libswanted=''
?X: This order is chosen so that libraries  -lndir, -ldir, -lucb, -lbsd,
?X: -lBSD, -lPW, and -lx only get used if there are unresolved
?X: routines at link time.  Usually, these are backwards compatability
?X: libraries, and may not be as reliable as the standard c library.
?X:
?X: The -lsocket -linet -lnsl order has been reported to be necessary
?X: for at least one SVR4 implementation.
?X: -lc must proceed -lucb or -lbsd for most Solaris applications.
?X: -lc_s proceeds -lc so we pick up the shared library version, if
?X: it is available.
?X:
?X: The ordering of c, posix, and cposix is a guess and almost
?X: certainly wrong on about half of all systems.
?X:
?X: Set proper libswanted in your private
 Myinit.U if needed.
?X:
?X:: default ordered library list
?X:libswanted='net socket inet bind nsl nm sdbm gdbm ndbm dbm malloc dl'
?X:libswanted="$libswanted dld sun m c_s c posix cposix ndir dir ucb"
?X:libswanted="$libswanted bsd BSD PW x"
?X:
?INIT:: should be set by hint files if needed
?INIT:libscheck=''
?T:xxx yyy thislib thisdir libstyle linkmsg
?F:lt.c lt
: Looking for optional libraries
echo " "
echo "Checking for optional libraries..." >&4
case "$libs" in
' '|'') dflt='';;
*) dflt="$libs";;
esac
case "$libswanted" in
'') libswanted='c_s';;
esac
?X: libsocks has nasty naming scheme.
?X: This does not work if somebody wants SOCKS 4.
```

```
case "$usesocks" in
"$define") libswanted="$libswanted socks5 socks5_sh" ;;
esac
?X: Used later for link checks
echo "extern char printf(); int main() { printf(); return 0; }" > lt.c
libsfound="
libsfiles="
libsdirs="
libspath="
for thisdir in $libpth $xlibpth; do
 test -d $thisdir && libspath="$libspath $thisdir"
done
for thislib in $libswanted;
 do
 for thisdir in $libspath; do
    xxx="
    if $test ! -f "$xxx" ; then
   xxx=`ls $thisdir/lib$thislib.$so.[0-9]* 2>/dev/null | $sed -n '1p'`
   $test -f "$xxx" && eval $libscheck
   $test -f "$xxx" && libstyle=shared
    fi
    if test ! -f "$xxx"; then
   xxx=$thisdir/lib$thislib.$so
   $test -f "$xxx" && eval $libscheck
   $test -f "$xxx" && libstyle=shared
    fi
    if test ! -f "$xxx"; then
   xxx=$thisdir/lib$thislib$_a
        $test -f "$xxx" && eval $libscheck
   $test -f "$xxx" && libstyle=static
    fi
    if test ! -f "$xxx"; then
   xxx=$thisdir/$thislib$_a
        $test -f "$xxx" && eval $libscheck
   $test -f "$xxx" && libstyle=static
    fi
    if test ! -f "$xxx"; then
   xxx=$thisdir/lib${thislib}_s$_a
        $test -f "$xxx" && eval $libscheck
   $test -f "$xxx" && libstyle=static
   $test -f "$xxx" && thislib=${thislib}_s
    fi
    if test ! -f "$xxx"; then
   xxx=$thisdir/Slib$thislib$_a
        $test -f "$xxx" && eval $libscheck
   $test
 -f "$xxx" && libstyle=static
    fi
```

```
    if $test -f "$xxx"; then
?X:
?X: It is not sufficient to find a .so on the disk.  We must make sure
?X: that we can indeed supply the -lfoo line on the cc line to link against
?X: that library.  On Linux for instance, a versionned .so will not be
?X: implicitly linked against, whereas it will work fine on Solaris 2.6.
?X:  --RAM, 10/10/2003
?X:
   if $cc -o lt $ccflags $ldflags lt.c -l$thislib >/dev/null 2>&1;
   then
    linkmsg=""
   else
    linkmsg=" but I can't link against it"
   fi
   case "$libstyle" in
   shared) echo "Found -l$thislib (shared)$linkmsg." ;;
   static) echo "Found -l$thislib$linkmsg." ;;
   *)      echo "Found -l$thislib ($libstyle)$linkmsg." ;;
   esac
   case " $dflt " in
   *"-l$thislib "*) ;;
   *)
    case "$linkmsg" in
    ")
     dflt="$dflt -l$thislib"
     libsfound="$libsfound $xxx"
     yyy=`basename $xxx`
     libsfiles="$libsfiles $yyy"
     yyy=`echo $xxx|$sed -e "s%/$yyy\\$%%"`
     case " $libsdirs
 " in
     *" $yyy "*) ;;
     *) libsdirs="$libsdirs $yyy" ;;
     esac
       ;;
    esac
    ;;
   esac
   break
     fi
 done
 if $test ! -f "$xxx"; then
     echo "No -l$thislib."
 fi
done
set X $dflt
shift
dflt="$*"
```

```
case "$libs" in
") dflt="$dflt";;
*) dflt="$libs";;
esac
case "$dflt" in
' '|") dflt='none';;
esac
$rm -f lt.c lt

$cat <<EOM

In order to compile $package on your machine, a number of libraries
are usually needed.  Include any other special libraries here as well.
Say "none" for none.  The default list is almost always right.
EOM

echo " "
rp="Which libraries to use?"
. ./myread
case "$ans" in
none) libs=' ';;
*) libs="$ans";;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libs.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libs.U,v 3.0.1.6 1997/02/28 16:09:11 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: libs.U,v $
?RCS: Revision 3.0.1.6  1997/02/28  16:09:11  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.5  1995/07/25  14:12:05  ram
?RCS: patch56: now knows about OS/2 platforms
?RCS:
?RCS: Revision 3.0.1.4  1994/10/29  16:24:22  ram
?RCS: patch36: removed old broken thislib/thatlib processing (ADO)
```

```
?RCS:
?RCS: Revision 3.0.1.3  1994/06/20  07:05:44  ram
?RCS: patch30: code cleanup with if/elif by ADO and RAM
?RCS: patch30:
 undone patch23 for libswanted default setting
?RCS:
?RCS: Revision 3.0.1.2  1994/05/06  15:08:45  ram
?RCS: patch23: now includes ordered default libswanted variable (ADO)
?RCS: patch23: major cleanup for library lookups (ADO)
?RCS:
?RCS: Revision 3.0.1.1  1993/08/25  14:02:31  ram
?RCS: patch6: added default for libs
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:03  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libs ignore_versioned_solibs libsfound libsfiles libsdirs libspath: \
 test cat Myread Oldconfig Loc libpth package xlibpth so _a \
 usesocks sed uselongdouble
?MAKE: -pick add $@ %<
?S:libs:
?S: This variable holds the additional libraries we want to use.
?S: It is up to the Makefile to deal with it.  The list can be empty.
?S:.
?S:libsfound:
?S: This variable holds the full pathnames of the libraries
?S: we found and accepted.
?S:.
?S:libsfiles:
?S: This variable holds the filenames aka basenames of the libraries
?S: we found and accepted.
?S:.
?S:libsdirs:
?S: This
 variable holds the directory names aka dirnames of the libraries
?S: we found and accepted, duplicates are removed.
?S:.
?S:libspath:
?S: This variable holds the directory names probed for libraries.
?S:.
?S:ignore_versioned_solibs:
?S: This variable should be non-empty if non-versioned shared
?S: libraries (libfoo.so.x.y) are to be ignored (because they
?S: cannot be linked against).
?S:.
?T:xxx yyy thislib thisdir libswanted libstyle
?D:libs="
?X:
```

```
?X: This order is chosen so that libraries  -lndir, -ldir, -lucb, -lbsd,
?X: -lBSD, -lPW, and -lx only get used if there are unresolved
?X: routines at link time.  Usually, these are backwards compatibility
?X: libraries, and may not be as reliable as the standard c library.
?X:
?X: The -lsocket -linet -lnsl order has been reported to be necessary
?X: for at least one SVR4 implementation.
?X: -lc must proceed -lucb or -lbsd for most Solaris applications.
?X: -lc_s proceeds -lc so we pick up the shared library version, if
?X: it is
 available.
?X:
?X: The ordering of c, posix, and cposix is a guess and almost
?X: certainly wrong on about half of all systems.
?X:
?X: Set proper libswanted in your private Myinit.U if needed.
?X:
?X:: default ordered library list
?X:libswanted='net socket inet bind nsl nm sdbm gdbm ndbm dbm malloc dl'
?X:libswanted="$libswanted dld sun m c_s c posix cposix ndir dir ucb"
?X:libswanted="$libswanted bsd BSD PW x"
?X:
?INIT:: default library list
?INIT:libswanted="
?INIT:: some systems want to use only the non-versioned libso:s
?INIT:ignore_versioned_solibs="
?LINT:extern usecbacktrace
?LINT:extern libscheck
?LINT:extern p
?LINT:use uselongdouble
: Looking for optional libraries
echo " "
echo "Checking for optional libraries..." >&4
case "$libs" in
' '|'') dflt='';;
*) dflt="$libs";;
esac
case "$libswanted" in
'') libswanted='c_s';;
esac
?X: libsocks has nasty naming scheme.
?X: This does not work if somebody wants SOCKS 4.
case "$usesocks" in
"$define") libswanted="$libswanted socks5
 socks5_sh" ;;
esac
case "$usecbacktrace" in
"$define") libswanted="$libswanted bfd" ;;
```

```
esac
libsfound="
libsfiles="
libsdirs="
libspath="
for thisdir in $libpth $xlibpth; do
 test -d $thisdir && libspath="$libspath $thisdir"
done
for thislib in $libswanted; do
 for thisdir in $libspath; do
    xxx="
    if $test ! -f "$xxx" -a "X$ignore_versioned_solibs" = "X"; then
  xxx=`ls $thisdir/lib$thislib.$so.[0-9] 2>/dev/null|sed -n '$p'`
        $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle=shared
  xxx=`ls $thisdir/lib$thislib.[0-9].$so 2>/dev/null|sed -n '$p'`
        $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle=shared
    fi
    if test ! -f "$xxx"; then
  xxx=$thisdir/lib$thislib.$so$_a
  $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle="import"
    fi
    if test ! -f "$xxx"; then
  xxx=$thisdir/$thislib.$so$_a
  $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle="import"
    fi
    if test ! -f "$xxx";
 then
  xxx=$thisdir/lib$thislib.$so
        $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle=shared
    fi
    if test ! -f "$xxx"; then
  xxx=$thisdir/lib$thislib$_a
        $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle=static
    fi
    if test ! -f "$xxx"; then
  xxx=$thisdir/$thislib$_a
        $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle=static
    fi
    if test ! -f "$xxx"; then
  xxx=$thisdir/lib${thislib}_s$_a
        $test -f "$xxx" && eval $libscheck
```

```
  $test -f "$xxx" && libstyle=static
  $test -f "$xxx" && thislib=${thislib}_s
     fi
     if test ! -f "$xxx"; then
  xxx=$thisdir/Slib$thislib$_a
         $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle=static
     fi
     if $test -f "$xxx"; then
  case "$libstyle" in
  shared) echo "Found -l$thislib (shared)." ;;
  static) echo "Found -l$thislib." ;;
  *)      echo "Found -l$thislib ($libstyle)." ;;
  esac
  case " $dflt " in
  *"-l$thislib "*);;
  *)
 dflt="$dflt -l$thislib"
     libsfound="$libsfound $xxx"
     yyy=`basename $xxx`
     libsfiles="$libsfiles $yyy"
     yyy=`echo $xxx|$sed -e "s%/$yyy\\$%%"`
     case " $libsdirs " in
     *" $yyy "*) ;;
     *) libsdirs="$libsdirs $yyy" ;;
     esac
     ;;
  esac
  break
     fi
 done
 if $test ! -f "$xxx"; then
     echo "No -l$thislib."
 fi
done
set X $dflt
shift
dflt="$*"
case "$libs" in
") dflt="$dflt";;
*) dflt="$libs";;
esac
case "$dflt" in
' '|") dflt='none';;
esac

$cat <<EOM
```

```
In order to compile $package on your machine, a number of libraries
are usually needed.  Include any other special libraries here as well.
Say "none" for none.  The default list is almost always right.
EOM

echo " "
rp="What libraries to use?"
. ./myread
case "$ans" in
none) libs=' ';;
*) libs="$ans";;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/libs.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: nis.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  16:17:38  ram
?RCS: patch61: ensure suitable defaults for hostcat and friends
?RCS:
?RCS: Revision 3.0.1.2  1995/03/21  08:48:34  ram
?RCS: patch52: continued fix for NeXT NIS/NetInfo handling
?RCS:
?RCS: Revision 3.0.1.1  1995/02/15  14:16:23  ram
?RCS: patch51: now correctly handles NeXT using NIS rather than NetInfo
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:24  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:passcat groupcat hostcat:
 Myread Oldconfig test contains
?MAKE: -pick add $@ %<
?S:passcat:
?S: This variable contains a command that produces the text of the
?S: /etc/passwd file.  This is normally "cat /etc/passwd", but can be
?S: "ypcat passwd" when NIS is used.
```

```
?S:.
?S:groupcat:
?S: This variable contains a command that produces the text of the
?S: /etc/group file.  This is normally "cat /etc/group", but can be
?S: "ypcat group" when NIS is used.
?S:.
?S:hostcat:
?S: This variable contains a command that produces the text of the
?S: /etc/hosts file.  This is normally "cat /etc/hosts", but can be
?S: "ypcat hosts" when NIS is used.
?S:.
: see if we have to deal with yellow pages, now NIS.
?X: NeXT gives us some fun here, as always, by having both NIS (former YP)
?X: and NetInfo. But since it has both, it's ok to put the test inside the if.
?X: Contributed by Thomas Neumann <tom@smart.bo.open.de>.
if $test -d /usr/etc/yp || $test -d /etc/yp || $test -d /usr/lib/yp; then
 if $test -f /usr/etc/nibindd; then
  echo
 " "
  echo "I'm fairly confident you're on a NeXT."
@if passcat || groupcat
  echo " "
  rp='Do you get the passwd file via NetInfo?'
  dflt=y
  case "$passcat" in
  nidump*) ;;
  ") ;;
  *) dflt=n;;
  esac
  . ./myread
  case "$ans" in
  y*) passcat='nidump passwd .'
@if groupcat
   echo "(Assuming /etc/group is also distributed.)"
   groupcat='nidump group .'
@end
   ;;
  *) echo "You told me, so don't blame me."
   case "$passcat" in
   nidump*) passcat="
@if groupcat
     groupcat=";;
@end
   esac
@if groupcat
   echo "(Assuming /etc/group is handled the same way.)"
@end
   ;;
```

```
  esac
@end
@if hostcat
  echo " "
  rp='Do you get the hosts file via NetInfo?'
  dflt=y
  case "$hostcat" in
  nidump*) ;;
  ") ;;
  *) dflt=n;;
  esac
  . ./myread
  case "$ans" in
  y*) hostcat='nidump hosts .';;
  *) case "$hostcat" in
   nidump*) hostcat=";;
   esac
   ;;
  esac
@end
 fi
@if passcat || groupcat
 case "$passcat" in
 nidump*) ;;
 *)
  case "$passcat" in
  *ypcat*) dflt=y;;
  ")
 if $contains '^\+' /etc/passwd >/dev/null 2>&1; then
    dflt=y
   else
    dflt=n
   fi;;
  *) dflt=n;;
  esac
  echo " "
  rp='Are you getting the passwd file via yellow pages?'
  . ./myread
  case "$ans" in
  y*) passcat='ypcat passwd'
@if groupcat
   echo "(Assuming /etc/group is also distributed.)"
   groupcat='ypcat group'
@end
   ;;
  *) passcat='cat /etc/passwd'
@if groupcat
   echo "(Assuming /etc/group is also local.)"
```

```
   groupcat='cat /etc/group'
@end
   ;;
  esac
  ;;
 esac
@end
@if hostcat
 case "$hostcat" in
 nidump*) ;;
 *)
  case "$hostcat" in
  *ypcat*) dflt=y;;
  ") if $contains '^\+' /etc/passwd >/dev/null 2>&1; then
    dflt=y
   else
    dflt=n
   fi;;
  *) dflt=n;;
  esac
  echo " "
  rp='Are you getting the hosts file via yellow pages?'
  . ./myread
  case "$ans" in
  y*) hostcat='ypcat hosts';;
  *) hostcat='cat /etc/hosts';;
  esac
  ;;
 esac
@end
fi
?X: Ensure suitable default -- Manoj Srivastava
case "$hostcat" in
") hostcat=':'
 $test -f /etc/hosts && hostcat='cat
 /etc/hosts';;
esac
case "$groupcat" in
") groupcat=':'
 $test -f /etc/group && groupcat='cat /etc/group';;
esac
case "$passcat" in
") passcat=':'
 $test -f /etc/passwd && passcat='cat /etc/passwd';;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/dist/U/nis.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Instruct.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  15:02:55  ram
?RCS: patch61: logname / whoami sequence rewritten to use case
?RCS:
?RCS: Revision 3.0.1.2  1995/02/15  14:11:34  ram
?RCS: patch51: author name now appears at the end of the paragraph (WED)
?RCS:
?RCS: Revision 3.0.1.1  1995/01/11  15:12:05  ram
?RCS: patch45: now documents the & escape to turn -d on at the read prompt
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:04  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X:
 This unit spew out the directions that we want everyone to read.  I try to
?X: keep the first "pagefull" much less than a page since they don't know it
?X: isn't going to go shooting off the top of the screen, and we don't want
?X: to panic them yet.
?X:
?MAKE:Instruct: Begin Myread Configdir contains
?MAKE: -pick wipe $@ %<
?T:user needman firsttime
: general instructions
needman=true
firsttime=true
user=`(logname) 2>/dev/null`
case "$user" in
") user=`whoami 2>&1`;;
esac
if $contains "^$user\$" ../.config/instruct >/dev/null 2>&1; then
 firsttime=false
 echo " "
 rp='Would you like to see the instructions?'
 dflt=n
```

```
 . ./myread
 case "$ans" in
 [yY]*) ;;
 *) needman=false;;
 esac
fi
if $needman; then
 cat <<EOH

This installation shell script will examine your system and ask you questions
to determine how the <PACKAGENAME> package should be installed. If you get
stuck on a question, you may use a ! shell escape to start a subshell or
execute a command.  Many of the questions will have
 default answers in square
brackets; typing carriage return will give you the default.

On some of the questions which ask for file or directory names you are allowed
to use the ~name construct to specify the login directory belonging to "name",
even if you don't have a shell which knows about that.  Questions where this is
allowed will be marked "(~name ok)".

EOH
 rp="
 dflt='Type carriage return to continue'
 . ./myread
 cat <<'EOH'

The prompter used in this script allows you to use shell variables and
backticks in your answers.  You may use $1, $2, etc...  to refer to the words
in the default answer, as if the default line was a set of arguments given to a
script shell.  This means you may also use $* to repeat the whole default line,
so you do not have to re-type everything to add something to the default.

Everytime there is a substitution, you will have to confirm.  If there is an
error (e.g. an unmatched backtick), the default answer will remain unchanged
and you will be prompted
 again.

If you are in a hurry, you may run 'Configure -d'.  This will bypass nearly all
the questions and use the computed defaults (or the previous answers if there
was already a config.sh file). Type 'Configure -h' for a list of options.
You may also start interactively and then answer '& -d' at any prompt to turn
on the non-interactive behaviour for the remainder of the execution.

EOH
 . ./myread
 cat <<EOH
```

```
Much effort has been expended to ensure that this shell script will run on any
Unix system.  If despite that it blows up on yours, your best bet is to edit
Configure and run it again.  If you can't run Configure for some reason,
you'll have to generate a config.sh file by hand.  Whatever problems you
have, let me (<MAINTLOC>) know how I blew it.

This installation script affects things in two ways:

1) it may do direct variable substitutions on some of the files included
  in this kit.
2) it builds a config.h file for inclusion in C programs.  You may edit
  any of these
 files as the need arises after running this script.

If you make a mistake on a question, there is no easy way to back up to it
currently.  The easiest thing to do is to edit config.sh and rerun all the SH
files.  Configure will offer to let you do this before it runs the SH files.

EOH
?X: In case they played with the prompter...
 dflt='Type carriage return to continue'
 . ./myread
 case "$firsttime" in
 true) echo $user >>../.config/instruct;;
 esac
fi

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/dist/U/Instruct.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: installstyle.U,v 1.2 1999/07/13 14:56:06 doughera Exp $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: installstyle.U,v $
?RCS: Revision 1.2  1999/07/13 14:56:06  doughera
?RCS: Fix dependencies.  Add more comments.
?RCS:
?RCS: Revision 1.1  1999/07/12 17:30:41  doughera
?RCS: Initial revision
```

```
?RCS:
?RCS:
?MAKE:installstyle: prefix Myread
?MAKE: -pick add $@ %<
?X: Myread dependence is for dflt.
?S:installstyle:
?S: This variable describes the "style" of the perl installation.
?S: This is intended to be useful for tools that need to
?S: manipulate entire perl
 distributions.  Perl itself doesn't use
?S: this to find its libraries -- the library directories are
?S: stored directly in Config.pm.  Currently, there are only two
?S: styles:  "lib" and "lib/perl5".  The default library locations
?S: (e.g. privlib, sitelib) are either $prefix/lib or
?S: $prefix/lib/perl5.  The former is useful if $prefix is a
?S: directory dedicated to perl (e.g. /opt/perl), while the latter
?S: is useful if $prefix is shared by many packages, e.g. if
?S: $prefix=/usr/local.
?S:
?S: Unfortunately, while this "style" variable is used to set
?S: defaults for all three directory hierarchies (core, vendor, and
?S: site), there is no guarantee that the same style is actually
?S: appropriate for all those directories.  For example, $prefix
?S: might be /opt/perl, but $siteprefix might be /usr/local.
?S: (Perhaps, in retrospect, the "lib" style should never have been
?S: supported, but it did seem like a nice idea at the time.)
?S:
?S: The situation is even less clear for
 tools such as MakeMaker
?S: that can be used to install additional modules into
?S: non-standard places.  For example, if a user intends to install
?S: a module into a private directory (perhaps by setting PREFIX on
?S: the Makefile.PL command line), then there is no reason to
?S: assume that the Configure-time $installstyle setting will be
?S: relevant for that PREFIX.
?S:
?S: This may later be extended to include other information, so
?S: be careful with pattern-matching on the results.
?S:
?S: For compatibility with perl5.005 and earlier, the default
?S: setting is based on whether or not $prefix contains the string
?S: "perl".
?S:.
: determine installation style
: For now, try to deduce it from prefix unless it is already set.
: Reproduce behavior of 5.005 and earlier, maybe drop that in 5.7.
case "$installstyle" in
") case "$prefix" in
```

```
  *perl*) dflt='lib';;
  *) dflt='lib/perl5' ;;
 esac
 ;;
*) dflt="$installstyle" ;;
esac
: Probably not worth prompting for this since we prompt
 for all
: the directories individually, and the prompt would be too long and
: confusing anyway.
installstyle=$dflt
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/installstyle.U
No license file was found, but licenses were detected in source scan.

```
# $Id: errnolist.a,v 3.0 1993/08/18 12:04:35 ram Exp ram $
#
#  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
#  You may redistribute only under the terms of the Artistic Licence,
#  as specified in the README file that comes with the distribution.
#  You may reuse parts of this distribution only within the terms of
#  that same Artistic Licence; a copy of which may be found at the root
#  of the source tree for dist 4.0.
#
# Original Author: Harlan Stenn <harlan@mumps.pfcs.com>
#
# $Log: errnolist.a,v $
# Revision 3.0  1993/08/18 12:04:35  ram
# Baseline for dist 3.0 netwide release.
#
#
# This is a simple-minded awk script to generate an initialization for
# sys_errnolist on systems that don't have it.
# This file now depends only on sys/errno.h error numbers under maxerr being
# in order.  It will complain and die if not.  NOTE: It will still produce
# a compilable output file, even with errors, so you must
 check the output.
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/errnolist.a
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Inlibc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Inlibc.U,v $
?RCS: Revision 3.0.1.1  1994/10/29  15:55:08  ram
?RCS: patch36: call ./whoa explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:03  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit checks for the definition of a given function.
?X:
?X: To use it, say:
?X: set function d_func
?X: eval $inlibc
?X:
?MAKE:Inlibc: Csym Whoa Oldconfig
?MAKE: -pick add $@ %<
?LINT:define inlibc
?V:inlibc
?S:inlibc:
?S: This
 shell variable is used internally by Configure to check
?S: wether a given function is defined or not. A typical use is:
?S:  set function d_func
?S:  eval $inlibc
?S: That will print a message, saying wether function was found or
?S: not and set d_func accordingly.
?S:.
?T:was tx sym tres td tu var
: define an is-in-libc? function
inlibc='echo " "; td=$define; tu=$undef;
sym=$1; var=$2; eval "was=\$$2";
tx=yes;
case "$reuseval$was" in
true) ;;
true*) tx=no;;
esac;
case "$tx" in
yes)
 set $sym tres -f;
 eval $csym;
```

```
 case "$tres" in
 true)
  echo "$sym() found." >&4;
  case "$was" in $undef) . ./whoa; esac; eval "$var=\$td";;
 *)
  echo "$sym() NOT found." >&4;
  case "$was" in $define) . ./whoa; esac; eval "$var=\$tu";;
 esac;;
*)
 case "$was" in
 $define) echo "$sym() found." >&4;;
 *) echo "$sym() NOT found." >&4;;
 esac;;
esac'
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Inlibc.U
No license file was found, but licenses were detected in source scan.

```
?RCS:     c) the GNU General Public License as published by the Free
?RCS:     Software Foundation; either version 1, or (at your option) any
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_builtin_overflow.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Instruct.U,v 3.0.1.3 1997/02/28 15:02:55 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Instruct.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  15:02:55  ram
?RCS: patch61: logname / whoami sequence rewritten to use case
?RCS:
?RCS: Revision 3.0.1.2  1995/02/15  14:11:34  ram
?RCS: patch51: author name now appears at the end of the paragraph (WED)
?RCS:
?RCS: Revision 3.0.1.1  1995/01/11  15:12:05  ram
?RCS: patch45: now documents the & escape to turn -d on at the read prompt
?RCS:
```

```
?RCS: Revision 3.0  1993/08/18  12:05:04  ram
?RCS: Baseline for
 dist 3.0 netwide release.
?RCS:
?X:
?X: This unit spew out the directions that we want everyone to read.  I try to
?X: keep the first "pagefull" much less than a page since they don't know it
?X: isn't going to go shooting off the top of the screen, and we don't want
?X: to panic them yet.
?X:
?MAKE:Instruct: Myread Configdir Devel contains
?MAKE: -pick wipe $@ %<
?T:user needman firsttime
: general instructions
needman=true
firsttime=true
user=`(logname) 2>/dev/null`
case "$user" in
") user=`whoami 2>&1`;;
esac
if $contains "^$user\$" ../.config/instruct >/dev/null 2>&1; then
 firsttime=false
 echo " "
 rp='Would you like to see the instructions?'
 dflt=n
 . ./myread
 case "$ans" in
 [yY]*) ;;
 *) needman=false;;
 esac
fi
if $needman; then
 cat <<EOH

This installation shell script will examine your system and ask you questions
to determine how the <PACKAGENAME> package should be installed. If you get
stuck on a question, you may use a ! shell escape to start a subshell or
execute a
 command.  Many of the questions will have default answers in square
brackets; typing carriage return will give you the default.

On some of the questions which ask for file or directory names you are allowed
to use the ~name construct to specify the login directory belonging to "name",
even if you don't have a shell which knows about that.  Questions where this is
allowed will be marked "(~name ok)".

EOH
 rp="
```

```
 dflt='Type carriage return to continue'
 . ./myread
 cat <<'EOH'

The prompter used in this script allows you to use shell variables and
backticks in your answers.  You may use $1, $2, etc...  to refer to the words
in the default answer, as if the default line was a set of arguments given to a
script shell.  This means you may also use $* to repeat the whole default line,
so you do not have to re-type everything to add something to the default.

Every time there is a substitution, you will have to confirm.  If there is an
error (e.g. an unmatched backtick), the default answer
 will remain unchanged
and you will be prompted again.

If you are in a hurry, you may run 'Configure -d'.  This will bypass nearly all
the questions and use the computed defaults (or the previous answers if there
was already a config.sh file). Type 'Configure -h' for a list of options.
You may also start interactively and then answer '& -d' at any prompt to turn
on the non-interactive behaviour for the remainder of the execution.

EOH
 . ./myread
 cat <<EOH

Much effort has been expended to ensure that this shell script will run on any
Unix system.  If despite that it blows up on yours, your best bet is to edit
Configure and run it again.  If you can't run Configure for some reason,
you'll have to generate a config.sh file by hand.  Whatever problems you
have, let me (<MAINTLOC>) know how I blew it.

This installation script affects things in two ways:

1) it may do direct variable substitutions on some of the files included
  in this kit.
2) it builds a config.h file for inclusion in
 C programs.  You may edit
  any of these files as the need arises after running this script.

If you make a mistake on a question, there is no easy way to back up to it
currently.  The easiest thing to do is to edit config.sh and rerun all the SH
files.  Configure will offer to let you do this before it runs the SH files.

EOH
?X: In case they played with the prompter...
 dflt='Type carriage return to continue'
 . ./myread
 case "$firsttime" in
```

```
 true) echo $user >>../.config/instruct;;
 esac
fi
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Instruct.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: dlsrc.U,v$
?RCS:
?RCS: Copyright (c) 1996-1998, Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: dlext.U,v $
?RCS:
?X:  hpux support thanks to Jeff Okamoto <okamoto@hpcc101.corp.hp.com>
?X:
?X:  To create a shared library, you must compile ALL source files in the
?X:  library with +z (or possibly +Z if the library is whopping huge),
?X:  then link the library with -b.  Example:
?X:   cc -c +z module_a.c
?X:   cc -c +z module_b.c
?X:   ld -b module_a.o module_b.o -o module.sl
?X:
?MAKE:dlext: \
 Getfile Myread cat usedl so
?MAKE: -pick add $@ %<
?Y:BOTTOM
?S:dlext:
?S: This variable contains the extension that is to be used for the
?S: dynamically loaded modules that perl generates.
?S:.
: Check what extension to use for shared libs
case "$usedl" in
$define|y|true)
 $cat <<
 EOM

On a few systems, the dynamically loaded modules that perl generates and uses
will need a different extension than shared libs. The default will probably
be appropriate.

EOM
 case "$dlext" in
 ") dflt="$so" ;;
```

```
 *) dflt="$dlext" ;;
 esac
 rp='What is the extension of dynamically loaded modules'
 . ./myread
 dlext="$ans"
 ;;
*)
 dlext="none"
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/dlext.U
No license file was found, but licenses were detected in source scan.

```
/*
* $Id: setsid.C,v 3.0.1.1 1994/01/24 13:58:47 ram Exp ram $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* $Log: setsid.C,v $
* Revision 3.0.1.1  1994/01/24  13:58:47  ram
* patch16: created
*
*/
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/C/fake/setsid.C
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Warn.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
```

```
?RCS: $Log: Extract.U,v $
?X:
?X: This unit produces a shell script which can be run in order to emit
?X: an important warning to the user, which will be remembered and shown
?X: at the end of the Configure run as well.
?X:
?X: A typical use would be:
?X:
?X:  ./warn <<EOM
?X:  Problem with your C compiler: can't turn debugging on.
?X:  EOM
?X:
?X: or:
?X:
?X:  ./warn "Problem with your C compiler: can't turn debugging on."
?X:
?X: Which will both display to the user:
?X:
?X:  ***
 WARNING:
?X:  *** Problem with your C compiler: can't turn debugging on.
?X:  ***
?X:
?MAKE:Warn: startsh eunicefix
?MAKE: -pick add $@ %<
?F:./warn
: script used to emit important warnings
cat >warn <<EOS
$startsh
?X: Read the whole warning message from stdin into a temporary file
?X: when no argument was supplied.
if test \$# -gt 0; then
 echo "\$@" >msg
else
 cat >msg
fi
?X: Emit the warning, prefixing all lines with '*** '
echo "*** WARNING:" >&4
sed -e 's/^/*** /' <msg >&4
echo "*** " >&4
?X: Save the warning in the logs, which will be shown again at the end
cat msg >>config.msg
echo " " >>config.msg
rm -f msg
EOS
chmod +x warn
$eunicefix warn
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Warn.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: mailer.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: mailer.U,v $
?RCS: Revision 3.0.1.3  1995/01/11  15:32:11  ram
?RCS: patch45: can now use Loc variables since path stripping is deferred
?RCS:
?RCS: Revision 3.0.1.2  1994/05/06  15:10:04  ram
?RCS: patch23: ensure full path value is used for rmail also
?RCS:
?RCS: Revision 3.0.1.1  1994/01/24  14:14:18  ram
?RCS: patch16: now use _sendmail vars and friends for portability issues
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:10  ram
?RCS: Baseline for dist
 3.0 netwide release.
?RCS:
?MAKE:mailer: test cat rmail mail smail sendmail Getfile Oldconfig
?MAKE: -pick add $@ %<
?S:mailer:
?S: This variable contains the full pathname of a reasonable mailer.
?S: By reasonable, we mean some program which can understand internet
?S: addresses or at least forward them to some internet router. This
?S: mailer should be invoked as "mailer [options] recipients <mail".
?S:.
: determine the name of a reasonable mailer
case "$mailer" in
")
 if $test -f "$sendmail"; then
  dflt="$sendmail"
 elif $test -f "$smail"; then
  dflt="$smail"
 elif $test -f "$rmail"; then
  dflt="$rmail"
 elif $test -f /bin/mail; then
  dflt=/bin/mail
```

```
 else
  dflt=$mail
 fi
 ;;
*)  dflt="$mailer";;
esac
$cat <<EOM

I need the full pathname of the program used to deliver mail on your system.
A typical answer would be /usr/lib/sendmail or /bin/rmail, but you may choose
any other program, as long as it can be fed from standard input and will
honour any user-supplied headers.

EOM
fn=f
rp='Mail
 transport agent to be used?'
. ./getfile
mailer="$ans"
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/mailer.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libflex.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libflex.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  15:57:48  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.2  1994/05/06  15:07:02  ram
?RCS: patch23: now uses full library path instead of -l notation
?RCS:
?RCS: Revision 3.0.1.1  1994/01/24  14:13:25  ram
?RCS: patch16: un-obsoleted this unit to allow smooth lex/flex compilations
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:59  ram
?RCS: Baseline for dist 3.0 netwide
```

```
 release.
?RCS:
?MAKE:libflex: Loc lex libpth _a
?MAKE: -pick add $@ %<
?S:libflex:
?S: This variable contains the argument to pass to the loader in order
?S: to get the flex/lex library routines.  If there is no flex or flex
?S: library, it is null.
?S:.
?T:xxx
: see if we should include -lfl
echo " "
case "$lex" in
*flex)
 xxx=`./loc libfl$_a x $libpth`
 case "$xxx" in
 x)
  echo "No flex library found." >&4
  libflex=''
  ;;
 *)
  echo "flex library found in $xxx." >&4
  libflex="$xxx"
  ;;
 esac
 ;;
*lex)
 xxx=`./loc libl$_a x $libpth`
 case "$xxx" in
 x)
  echo "No lex library found." >&4
  libflex=''
  ;;
 *)
  echo "lex library found in $xxx." >&4
  libflex="$xxx"
  ;;
 esac
 ;;
*)
echo "You don't seem to have lex or flex, so I won't look for libraries." >&4
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libflex.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: yacc.U,v 3.0.1.1 1994/05/13 15:28:48 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: yacc.U,v $
?RCS: Revision 3.0.1.1  1994/05/13  15:28:48  ram
?RCS: patch27: added byacc as another alternative (ADO)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:10:03  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:yacc yaccflags: Guess Myread Oldconfig byacc bison cat test _exe
?MAKE: -pick add $@ %<
?S:yacc:
?S: This variable holds the name of the compiler compiler we
?S: want to use in the Makefile. It can be yacc, byacc, or bison -y.
?S:.
?S:yaccflags:
?S: This
 variable contains any additional yacc flags desired by the
?S: user.  It is up to the Makefile to use this.
?S:.
?T:comp
: determine compiler compiler
case "$yacc" in
")
 dflt=yacc;;
*)
 dflt="$yacc";;
esac
echo " "
comp='yacc'
if $test -f "$byacc$_exe"; then
 dflt="$byacc"
 comp="byacc or $comp"
fi
if $test -f "$bison$_exe"; then
 comp="$comp or bison -y"
fi
rp="Which compiler compiler ($comp) shall I use?"
```

```
. ./myread
yacc="$ans"
case "$yacc" in
*bis*)
 case "$yacc" in
 *-y*) ;;
 *)
  yacc="$yacc -y"
  echo "(Adding -y option to bison to get yacc-compatible behavior.)"
  ;;
 esac
 ;;
esac

@if yaccflags
: see if we need extra yacc flags
dflt="$yaccflags"
case "$dflt" in
") dflt=none;;
esac
$cat <<EOH

Your yacc program may need extra flags to normally process the parser sources.
Do NOT specify any -d or -v flags here, since those are explicitly known
by the various Makefiles. However, if your machine has strange/undocumented
options (like -Sr# on SCO to specify the
 maximum number of grammar rules), then
please add them here.  To use no flags, specify the word "none".

EOH
rp="Any additional yacc flags?"
. ./myread
case "$ans" in
none) yaccflags=";;
*) yaccflags="$ans";;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/yacc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: html1dir.U,v $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: html1dir.U,v $
?RCS:
?MAKE:html1dir html1direxp installhtml1dir: cat Loc Myread \
 spackage test Getfile Setprefixvar Prefixit Prefixup
?MAKE: -pick add $@ %<
?Y:TOP
?D:html1dir=''
?S:html1dir:
?S: This variable contains the name of the directory in which html
?S: source pages are to be put.  This directory is for pages
?S: that describe whole programs, not libraries or modules.  It
?S: is intended to correspond roughly to section 1 of the Unix
?S: manuals.
?S:.
?D:html1direxp=''
?S:html1direxp:
?S: This
 variable is the same as the html1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installhtml1dir=''
?S:installhtml1dir:
?S: This variable is really the same as html1direxp, unless you are
?S: using a different installprefix.  For extra portability, you
?S: should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set html1direxp
?LINT:set installhtml1dir
: determine where html pages for programs go
set html1dir html1dir none
eval $prefixit
$cat <<EOM

If you wish to install html files for programs in $spackage, indicate
the appropriate directory here.  To skip installing html files,
answer "none".
EOM
case "$html1dir" in
''|none|$undef|' ') dflt=none ;;
*) dflt=$html1dir ;;
esac
```

```
fn=dn+~
rp="Directory for the main $spackage html pages?"
. ./getfile
prefixvar=html1dir
. ./setprefixvar
: Use ' ' for none so value is preserved next time through Configure
$test X"$html1dir" = "X" && html1dir=' '

Found
 in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/U/installdirs/html1dir.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: sysman.U,v 3.0.1.2 1994/06/20 07:08:43 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: sysman.U,v $
?RCS: Revision 3.0.1.2  1994/06/20  07:08:43  ram
?RCS: patch30: now explicitly states that /usr/man/man1 is the default
?RCS: patch30: added /usr/local/man/man1 to the search list
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:13:50  ram
?RCS: patch10: added support for /local/man/man1 (WAD)
?RCS: patch10: added temporary syspath variable to cut down on line length
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:55  ram
?RCS: Baseline for dist 3.0 netwide
 release.
?RCS:
?MAKE:sysman: test Loc Oldconfig
?MAKE: -pick add $@ %<
?S:sysman:
?S: This variable holds the place where the manual is located on this
?S: system. It is not the place where the user wants to put his manual
?S: pages. Rather it is the place where Configure may look to find manual
?S: for unix commands (section 1 of the manual usually). See mansrc.
?S:.
?T:syspath
: determine where manual pages are on this system
echo " "
```

```
case "$sysman" in
")
 syspath='/usr/share/man/man1 /usr/man/man1'
 syspath="$syspath /usr/man/mann /usr/man/manl /usr/man/local/man1"
 syspath="$syspath /usr/man/u_man/man1"
 syspath="$syspath /usr/catman/u_man/man1 /usr/man/l_man/man1"
 syspath="$syspath /usr/local/man/u_man/man1 /usr/local/man/l_man/man1"
 syspath="$syspath /usr/man/man.L /local/man/man1 /usr/local/man/man1"
 sysman=`./loc . /usr/man/man1 $syspath`
 ;;
esac
if $test -d "$sysman"; then
 echo "System manual is in $sysman." >&4
else
 echo "Could not find manual pages in source form."
 >&4
fi
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/sysman.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2000, Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:versiononly: cat Myread Setvar Devel
?MAKE: -pick add $@ %<
?LINT:set versiononly
?Y:TOP
?S:versiononly:
?S: If set, this symbol indicates that only the version-specific
?S: components of a perl installation should be installed.
?S: This may be useful for making a test installation of a new
?S: version without disturbing the existing installation.
?S: Setting versiononly is equivalent to setting installperl's -v option.
?S: In particular, the non-versioned scripts and programs such as
?S: a2p, c2ph, h2xs, pod2*, and perldoc
 are not installed
?S: (see INSTALL for a more complete list).  Nor are the man
?S: pages installed.
```

```
?S: Usually, this is undef.
?S:.
?LINT:extern inc_version_list
?LINT:change inc_version_list
?LINT:extern inc_version_list_init
?LINT:change inc_version_list_init
?LINT:extern version
: determine whether to use a version number suffix for installed binaries
echo " "
$cat <<EOM
Do you want to use a version number suffix for installed binaries? This
will install 'perl$version' instead of 'perl', and likewise for other
binaries like 'perldoc' and 'cpan'. This allows many versions of perl
to be installed side-by-side. Unless you are a developer, you probably
do *not* want to do this.
EOM
case "$versiononly" in
"$define"|[Yy]*|true) dflt='y' ;;
*) dflt='n';
esac
rp="Do you want to use a version number suffix for installed binaries?"
. ./myread
case "$ans" in
[yY]*) val="$define";;
*) val="$undef" ;;
esac
set versiononly
eval $setvar

case "$versiononly" in
"$define") inc_version_list="
        inc_version_list_init=0
       ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/versiononly.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Extras.U,v$
?RCS:
?RCS: Copyright (c) 2001, Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:extras: Myread Oldconfig Setvar rm
```

```
?MAKE: -pick add $@ %<
?Y:TOP
?S:extras:
?S: This variable holds a list of extra modules to install.
?S:.
: See if we want extra modules installed
echo " "
case "$extras" in
") dflt='n';;
*) dflt='y';;
esac
cat <<EOM
Perl can be built with extra modules or bundles of modules which
will be fetched from the CPAN and installed alongside Perl.

Notice that you will need access to the CPAN; either via the Internet,
or a local copy, for example a CD-ROM or a local CPAN mirror.  (You will
be asked later to configure the CPAN.pm module which will in turn do
the installation of the rest of the extra modules or bundles.)

Notice also that if the modules require
 any external software such as
libraries and headers (the libz library and the zlib.h header for the
Compress::Zlib module, for example) you MUST have any such software
already installed, this configuration process will NOT install such
things for you.

If this doesn't make any sense to you, just accept the default '$dflt'.
EOM
rp='Install any extra modules (y or n)?'
. ./myread
case "$ans" in
y|Y)
 cat <<EOM

Please list any extra modules or bundles to be installed from CPAN,
with spaces between the names.  The names can be in any format the
'install' command of CPAN.pm will understand.  (Answer 'none',
without the quotes, to install no extra modules or bundles.)
EOM
 rp='Extras?'
 dflt="$extras"
 . ./myread
 extras="$ans"
esac
case "$extras" in
"|'none')
 val="
```

```
 $rm -f ../extras.lst
 ;;
*) echo "(Saving the list of extras for later...)"
 echo "$extras" > ../extras.lst
 val="'$extras'"
 ;;
esac
set extras
eval $setvar
echo " "
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/Extras.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:sitehtml1dir sitehtml1direxp installsitehtml1dir: Getfile \
 Setprefixvar prefix siteprefix html1dir sed
?MAKE: -pick add $@ %<
?Y:TOP
?D:sitehtml1dir=''
?S:sitehtml1dir:
?S: This variable contains the name of the directory in which site-specific
?S: html source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S: The standard distribution will put nothing in this directory.
?S: After perl
 has been installed, users may install their own local
?S: html pages in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:sitehtml1direxp=''
?S:sitehtml1direxp:
?S: This variable is the same as the sitehtml1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
```

```
?D:installsitehtml1dir="
?S:installsitehtml1dir:
?S: This variable is really the same as sitehtml1direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: html1direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installsitehtml1dir
?LINT:set sitehtml1dir
?LINT:set sitehtml1direxp
: determine where add-on html pages go
: There is no standard location, so try to copy the previously-selected
: directory structure for the core html pages.
case "$sitehtml1dir" in
")
   dflt=`echo "$html1dir" | $sed "s#^$prefix#$siteprefix#"` ;;
*)     dflt=$sitehtml1dir ;;
esac
case "$dflt" in
"|' ') dflt=none ;;
esac
fn=dn+~
rp='Pathname where the site-specific html pages should be installed?'
. ./getfile
prefixvar=sitehtml1dir
. ./setprefixvar
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/sitehtml1dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Init.U,v 3.0.1.1 1994/10/31 09:45:59 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Init.U,v $
?RCS: Revision 3.0.1.1  1994/10/31  09:45:59  ram
?RCS: patch44: removed Options from MAKE to prevent Init overrides
?RCS: patch44: option processing now done after Myinit thanks to new Begin.U
?RCS: patch44: moved "Beginning of configuration questions" to Begin.U
```

```
?RCS: patch44: moved signal trapping instruction to Begin.U as well
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:02  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This file
 initializes certain default variables used by Configure.  They
?X: may be overridden or added to by definitions in Myinit.U.
?X:
?MAKE:Init eunicefix: Null
?MAKE: -pick add $@ %<
?MAKE: -pick weed $@ ./Init
?S:eunicefix:
?S: When running under Eunice this variable contains a command which will
?S: convert a shell script to the proper form of text file for it to be
?S: executable by the shell.  On other systems it is a no-op.
?S:.
?V:define undef smallmach:rmlist
?X:
?X: Throughout the units, one may make use of $define and $undef to reference
?X: a defined symbol or an undefined one. There is no need to add them in
?X: the dependency line since this unit makes them visible via ?V:, and
?X: everyone inherits from those symbols since by convention Init.U is the
?X: root dependency.
?X:
?LINT:extern DJGPP
?LINT:extern _exe
?LINT:change _exe
?LINT:extern is_os2
: Detect odd OSs
define='define'
undef='undef'
smallmach='pdp11 i8086 z8000 i80286 iAPX286'
rmlist=''

: We must find out about
 Eunice early
eunicefix=':'
if test -f /etc/unixtovms; then
 eunicefix=/etc/unixtovms
fi
if test -f /etc/unixtovms.exe; then
 eunicefix=/etc/unixtovms.exe
fi

: Set executable suffix now -- needed before hints available
if test -f "/libs/version.library"; then
```

```
: Amiga OS
   _exe=""
elif test -f "/system/gnu_library/bin/ar.pm"; then
: Stratus VOS
   _exe=".pm"
elif test -n "$DJGPP"; then
: DOS DJGPP
   _exe=".exe"
elif test -f /kern/cookiejar; then
: MiNT
   _exe=""
elif test -d c:/. -o -n "$is_os2" ; then
: OS/2 or cygwin
   _exe=".exe"
fi
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Init.U
No license file was found, but licenses were detected in source scan.

```
/*|?:[\/]*)
if test -f "$xxx"; then
: ok
else
./warn "no $xxx -- ignoring your setting for $file."
xxx=`./loc $file $file $pth`
fi
;;
") xxx=`./loc $file $file $pth`;;
*) xxx=`./loc $xxx $xxx $pth`;;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\/]*)
echo $file is in $xxx.
;;
*)
echo "I don't know where '$file' is, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac
```

```
done
echo " "
echo "Don't worry if any of the following aren't found..."
say=offhand
for file in $trylist; do
?X: Allow them to -Dmake=pmake on the command line for instance (see above)
eval xxx=\$$file
case "$xxx" in
/*|?:[\/]*)
if test -f "$xxx"; then
: ok
else
./warn "no $xxx -- ignoring your setting for $file."
xxx=`./loc $file $file $pth`
fi
;;
") xxx=`./loc $file $file $pth`;;
*) xxx=`./loc $xxx
 $xxx $pth`;;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\/]*)
echo $file is in $xxx.
;;
*)
echo "I don't see $file out there, $say."
say=either
;;
esac
done
case "$egrep" in
egrep)
echo "Substituting grep for egrep."
egrep=$grep
_egrep=$_grep
;;
esac
@if ln
case "$ln" in
ln)
echo "Substituting cp for ln."
ln=$cp
```

```
_ln=$_cp
;;
esac
@end
@if make || gmake
case "$make" in
make)
case "$gmake" in
gmake)
echo "I can't find make or gmake, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac
;;
esac
case "$gmake" in
gmake) ;;
*) # We can't have osname yet.
if test -f "/system/gnu_library/bin/ar.pm"; then # Stratus VOS
# Assume that gmake, if found, is definitely GNU make
# and prefer it over the system make.
echo "Substituting gmake for make."
make=$gmake
_make=$_gmake
fi
;;
esac
@end
case "$test" in
test)
echo "Hopefully test is built into
 your sh."
;;
*)
if `sh -c "PATH= test true" >/dev/null 2>&1`; then
echo "Using the test built into your sh."
?X:
?X: We need to set both test and _test, since Oldconfig.U will use the _test
?X: value to systematically restore computed paths, which may be wrong if
?X: we choose to load an old config.sh generated on another platform.
?X:
test=test
_test=test
fi
;;
esac
?LINT:change n c
```

```
case "$echo" in
echo)
echo "Hopefully echo is built into your sh."
;;
?X: For those rare cases where we don't need $echo...
") ;;
*)
echo " "
echo "Checking compatibility between $echo and builtin echo (if any)..." >&4
$echo $n "hi there$c" >foo1
echo $n "hi there$c" >foo2
if cmp foo1 foo2 >/dev/null 2>&1; then
echo "They are compatible.  In fact, they may be identical."
else
case "$n" in
'-n') n=" c='\c';;
*) n='-n' c=";;
esac
cat <<FOO
They are not compatible!  You are probably running ksh on a non-USG system.
I'll have to use $echo instead of the builtin, since Bourne shell doesn't
have echo built
 in and we may have to run some Bourne shell scripts.  That
means I'll have to use '$n$c' to suppress newlines now.  Life is ridiculous.

FOO
$echo $n "The star should be here-->$c"
$echo "*"
fi
$rm -f foo1 foo2
;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Loc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: perl5.U,v $
?RCS:
?RCS: Copyright (c) 2000 Andrew Dougherty
?RCS:
?RCS:     You may distribute under the terms of either the GNU General Public
?RCS:     License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: perl5.U,v $
?RCS:
?X:
```

```
?X: The purpose of this unit is to locate a previously installed
?X: version of perl5 suitable for running inc_version_list.U.
?X: We check for 5.005 and later because inc_version_list is
?X: irrelevant for earlier versions.
?X:
?MAKE:perl5: path_sep binexp test sed exe_ext
?MAKE: -pick add $@ %<
?Y:TOP
?S:perl5:
?S: This variable contains the full path (if any) to a previously
?S: installed perl5.005 or later suitable for running the script
?S: to determine inc_version_list.
?S:.
?T: tdir
: Find perl5.005 or later.
echo "Looking for a previously installed perl5.005 or later... "
case "$perl5" in
") for tdir in `echo "$binexp$path_sep$PATH" | $sed "s/$path_sep/
 /g"`; do
  : Check if this perl is recent and can load a simple module
  if $test -x $tdir/perl$exe_ext && $tdir/perl -Mless -e 'use 5.005;' >/dev/null 2>&1; then
   perl5=$tdir/perl
   break;
  elif $test -x $tdir/perl5$exe_ext && $tdir/perl5 -Mless -e 'use 5.005;' >/dev/null 2>&1; then
   perl5=$tdir/perl5
   break;
  fi
 done
 ;;
*) perl5="$perl5"
 ;;
esac
case "$perl5" in
") echo "None found.  That's ok.";;
*) echo "Using $perl5." ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/perl5.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
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```

```
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: orderlib.U,v $
?RCS: Revision 3.0.1.4  1997/02/28  16:18:18  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS: patch61: likewise for .o replaced by $_o
?RCS: patch61: now uses the ar located by Loc.U
?RCS:
?RCS: Revision 3.0.1.3  1995/01/11  15:33:04  ram
?RCS: patch45: allows hint files to specify their own value for 'ranlib'
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  16:26:48  ram
?RCS: patch36: now performs a real small compile for accurate checks (ADO)
?RCS:
?RCS: Revision 3.0.1.1
  1994/08/29  16:31:17  ram
?RCS: patch32: use cc variable instead of hardwired 'cc' in 1st compile
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:26  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:orderlib ranlib: Loc ar cat test rm +cc +ccflags +ldflags +libs _a _o
?MAKE: -pick add $@ %<
?S:orderlib:
?S: This variable is "true" if the components of libraries must be ordered
?S: (with `lorder $* | tsort`) before placing them in an archive.  Set to
?S: "false" if ranlib or ar can generate random libraries.
?S:.
?S:ranlib:
?S: This variable is set to the pathname of the ranlib program, if it is
?S: needed to generate random libraries.  Set to ":" if ar can generate
?S: random libraries or if random libraries are not supported
?S:.
?F:!foobar
: see if ar generates random libraries by itself
echo " "
echo "Checking how to generate random libraries on your machine..." >&4
?X: Some systems (like MIPS) complain when running ar... Others like Ultrix
?X: need an explicit 'ar ts'
 to add the table of contents.
?X: Still others like Linux run ar ts successfully, but still need ranlib.
?X: This set of tests seems the minimum necessary to check out Linux.
?X: We need to explicitly put the entries in out-of-order so that Sun's ld
?X: will fail.  (Otherwise it complains, but gives an exit status of 0.)
echo 'int bar1() { return bar2(); }' > bar1.c
echo 'int bar2() { return 2; }' > bar2.c
```

```
$cat > foo.c <<'EOP'
int main() { printf("%d\n", bar1()); exit(0); }
EOP
$cc $ccflags -c bar1.c >/dev/null 2>&1
$cc $ccflags -c bar2.c >/dev/null 2>&1
$cc $ccflags -c foo.c >/dev/null 2>&1
$ar rc bar$_a bar2$_o bar1$_o >/dev/null 2>&1
if $cc $ccflags $ldflags -o foobar foo$_o bar$_a $libs > /dev/null 2>&1 &&
 ./foobar >/dev/null 2>&1; then
 echo "ar appears to generate random libraries itself."
 orderlib=false
 ranlib=":"
elif $ar ts bar$_a >/dev/null 2>&1 &&
 $cc $ccflags $ldflags -o foobar foo$_o bar$_a $libs > /dev/null 2>&1 &&
 ./foobar >/dev/null 2>&1; then
  echo "a table of contents
 needs to be added with 'ar ts'."
  orderlib=false
  ranlib="$ar ts"
else
?X: Allow hints to specify their own ranlib "script". For instance, on
?X: some NeXT machines, the timestamp put by ranlib is not correct, and this
?X: may raise tedious recompiles for nothing. Therefore, NeXT may add the
?X: ranlib='sleep 5; /bin/ranlib' line in their hints to "fix" that.
?X: (reported by Andreas Koenig <k@franz.ww.tu-berlin.de>)
 case "$ranlib" in
 :) ranlib=";;
 ")
  ranlib=`./loc ranlib X /usr/bin /bin /usr/local/bin`
  $test -f $ranlib || ranlib="
  ;;
 esac
 if $test -n "$ranlib"; then
  echo "your system has '$ranlib'; we'll use that."
  orderlib=false
 else
  echo "your system doesn't seem to support random libraries"
  echo "so we'll use lorder and tsort to order the libraries."
  orderlib=true
  ranlib=":"
 fi
fi
$rm -f foo* bar*
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/orderlib.U

No license file was found, but licenses were detected in source scan.

```
# $Id: errnolist.sh,v 3.0.1.1 1994/01/24 14:00:00 ram Exp ram $
#
#  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
#  You may redistribute only under the terms of the Artistic Licence,
#  as specified in the README file that comes with the distribution.
#  You may reuse parts of this distribution only within the terms of
#  that same Artistic Licence; a copy of which may be found at the root
#  of the source tree for dist 4.0.
#
# Original Author: Harlan Stenn <harlan@mumps.pfcs.com>
#
# $Log: errnolist.sh,v $
# Revision 3.0.1.1  1994/01/24  14:00:00  ram
# patch16: changed top ln-style config.sh lookup into test-style one
#
# Revision 3.0  1993/08/18  12:04:36  ram
# Baseline for dist 3.0 netwide release.
#
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/errnolist.SH
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Myread.U,v $
?RCS: Revision 3.0.1.6  1997/02/28  15:05:39  ram
?RCS: patch61: myread script now starts with a "startsh"
?RCS: patch61: miscellaneous fixes
?RCS:
?RCS: Revision 3.0.1.5  1995/01/11  15:14:22  ram
?RCS: patch45: added & escape allowing user to turn on -d from the prompt
?RCS:
?RCS: Revision 3.0.1.4  1994/10/31  09:48:04  ram
?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U
?RCS:
```

```
?RCS: Revision 3.0.1.3  1994/10/29  15:56:20  ram
?RCS: patch36: added ?F:
 line for metalint file checking
?RCS:
?RCS: Revision 3.0.1.2  1993/08/30  08:57:59  ram
?RCS: patch8: added new visible 'nostick' symbol, mainly for Finish.U
?RCS:
?RCS: Revision 3.0.1.1  1993/08/27  14:39:20  ram
?RCS: patch7: now sticks to the question when no default and empty answer
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:08  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in in order
?X: to do a read.  It allows for shell escapes, default assignment and
?X: parameter evaluation.
?X:
?X: To use this unit, $rp and $dflt must hold the question and the
?X: default answer. The question will be printed by the script itself.
?X: Neither $rp nor $dflt is altered by the script.
?X:
?X: The myread script will stick to the question if no default is proposed
?X: and the user answer is empty, which prevents mistakes. However, at the
?X: end of Configure, there is an exception to this rule (Finish.U) where we
?X: set
 nostick to a non-empty value to allow the Return key to play its role!
?X:
?MAKE:Myread: Options startsh n c trnl
?MAKE: -pick add $@ %<
?V:ans:dflt rp nostick
?F:./myread
?T:COLUMNS xxxm rp dflt answ aok myecho counter
?LINT:change fastread
?X: Some shells (Ultrix) do not understand ${COLUMNS:-80}, sigh!
: compute the number of columns on the terminal for proper question formatting
case "$COLUMNS" in
") COLUMNS='80';;
esac

: set up the echo used in my read
?X:
?X: This variable is intended to be eval'ed. It will echo the two
?X: variables $rp and $dflt (provided this latter has a non null value).
?X: It is mainly used by the myread script to echo the questions.
?X:
?X: The $n and $c below are substituted before Loc does its silly echo check
?X: so don't put a $ on the echo below so we get builtin, even if $echo is
```

```
?X: pointing to /bin/echo.
?X:
myecho="case \"\$xxxm\" in
") echo $n \"\$rp $c\" >&4;;
*) case \"\$rp\" in
 ") echo $n \"[\$xxxm] $c\";;
 *)
  if test \`echo \"\$rp [\$xxxm]
  \" | wc -c\` -ge $COLUMNS; then
   echo \"\$rp\" >&4
   echo $n \"[\$xxxm] $c\" >&4
  else
   echo $n \"\$rp [\$xxxm] $c\" >&4
  fi
  ;;
 esac;;
esac"

: now set up to do reads with possible shell escape and default assignment
cat <<EOSC >myread
$startsh
?X:
?X: Save value of default -- do not alter original in case of eval
?X:
xxxm=\$dflt
$myecho
?X:
?X: If there is no default, then stop, regardless of the value in fastread.
?X: In silent mode, no new-line is to be echoed if the question is empty,
?X: since this is used to wait for the "return" key.
?X:
ans='!'
counter=42
case "\$fastread" in
yes) case "\$dflt" in
 ") ;;
 *) ans=";
  case "\$silent-\$rp" in
  true-) ;;
  *) echo " " >&4;;
  esac;;
 esac;;
*) case "\$silent" in
 true) case "\$rp" in
  ") ans=";;
  esac;;
 esac;;
esac
```

```
while expr "X\$ans" : "X!" >/dev/null; do
 read answ
?X:
?X: Run 'eval' on the answer, in order to do variable substitution, in case
?X: the user types $HOME or $WHATEVER. Variables must be evaluated
 now.
?X: Typing '\$HOME' won't currently prevent from substitution -- use '\\$HOME'
?X: The $1 .. $9 and $*, as well as $@, are available to refer to the
?X: default value.
?X:
 set x \$xxxm
 shift
 aok=''; eval "ans=\\"\$answ\\"" && aok=y
 case  "\$answ" in
?X:
?X: Use "!" and not a plain ! because of a bug in BSD 4.4 shell
?X: (reported by Wayne Davison)
?X: We must handle the shell escapes before dealing with possible variable
?X: substitution, since the shell we're launching in that case will be able
?X: to do it as well as we can -- RAM, 15/03/96
?X
 "!")
  sh 1>&4
  echo " "
  $myecho
  ;;
 !*)
  set x \`expr "X\$ans" : "X!\(.*\)\$"\`
  shift
  sh 1>&4 -c "\$*"
  echo " "
  $myecho
  ;;
 "\$ans")
  case "\$ans" in
?X:
?X: Answers starting with & are hooks allowing to dynamically turn on/off
?X: some Configure options. That's for the future. -- RAM, 09/01/95
?X: Today, we only recognize '& -d' to mean 'go on as if Configure -d, which
?X: is a hardwired behaviour compatible with
 our general scheme.
?X:
  \\&*)
   set x \`expr "X\$ans" : "X&\(.*\)\$"\`
   shift
   case "\$1" in
   -d)
    fastread=yes
```

```
    echo "(OK, I'll run with -d after this question.)" >&4
    ;;
   -*)
    echo "*** Sorry, \$1 not supported yet." >&4
    ;;
   esac
   $myecho
   ans=!
   ;;
  esac;;
 *)
  case "\$aok" in
  y)
   echo "*** Substitution done -- please confirm."
   xxxm="\$ans"
   ans=\`echo $n "\$ans$c" | tr '$trnl' ' '\`
   xxxm="\$ans"
   ans=!
   ;;
  *)
   echo "*** Error -- try again."
   ans=!
   ;;
  esac
  $myecho
  ;;
 esac
?X: Stick in myread if no default answer and nothing was answered
 case "\$ans\$xxxm\$nostick" in
 ")
  ans=!
  $myecho
  ;;
 esac
 counter=\`echo \$counter | awk '{ print --\$0 }'\`
 if [ \$counter = 0 ]; then
  echo >&4
  echo >&4 Too many attempts asking the same question.  Giving up.
  exit 1
 fi
done
case "\$ans" in
") ans="\$xxxm";;
esac
EOSC
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/U/modified/Myread.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libpth.U,v $
?RCS: Revision 3.0.1.6  1997/02/28  16:08:49  ram
?RCS: patch61: new loclibpth variable
?RCS:
?RCS: Revision 3.0.1.5  1995/01/11  15:31:30  ram
?RCS: patch45: call ./mips instead of just mips (WED)
?RCS:
?RCS: Revision 3.0.1.4  1994/08/29  16:29:15  ram
?RCS: patch32: added /lib/pa1.1 for HP-UX specially tuned PA-RISC libs (ADO)
?RCS: patch32: fixed information message, making it clearer (ADO)
?RCS:
?RCS: Revision 3.0.1.3  1994/06/20  07:03:54  ram
?RCS: patch30: added /usr/shlib to
 glibpth for shared-only libraries
?RCS:
?RCS: Revision 3.0.1.2  1994/05/13  15:26:57  ram
?RCS: patch27: fixed a typo (libpth -> glibpth)
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  15:07:53  ram
?RCS: patch23: now asks for library directories to be searched (ADO)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:02  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit initializes the path for C library lookup.
?X:
?MAKE:libpth glibpth xlibpth plibpth loclibpth: \
 usrinc incpath test cat Myread Oldconfig
?MAKE: -pick add $@ %<
?S:libpth:
?S: This variable holds the general path (space-separated) used to find
?S: libraries. It is intended to be used by other units.
?S:.
?S:glibpth:
```

```
?S: This variable holds the general path (space-separated) used to
?S: find libraries.  It may contain directories that do not exist on
?S: this platform, libpth is the cleaned-up version.
?S:.
?S:xlibpth:
?S: This variable holds extra path (space-separated) used to find
?S: libraries on this platform,
 for example CPU-specific libraries
?S: (on multi-CPU platforms) may be listed here.
?S:.
?S:loclibpth:
?S: This variable holds the paths (space-separated) used to find local
?S: libraries.  It is prepended to libpth, and is intended to be easily
?S: set from the command line.
?S:.
?S:plibpth:
?S: Holds the private path used by Configure to find out the libraries.
?S: Its value is prepend to libpth. This variable takes care of special
?S: machines, like the mips.  Usually, it should be empty.
?S:.
?T: xxx dlist
?LINT:use usrinc
?INIT:: change the next line if compiling for Xenix/286 on Xenix/386
?INIT:xlibpth='/usr/lib/386 /lib/386'
?INIT:: Possible local library directories to search.
?INIT:loclibpth="/usr/local/lib /opt/local/lib /usr/gnu/lib"
?INIT:loclibpth="$loclibpth /opt/gnu/lib /usr/GNU/lib /opt/GNU/lib"
?INIT:
?INIT:: general looking path for locating libraries
?INIT:glibpth="/lib /usr/lib $xlibpth"
?INIT:glibpth="$glibpth /usr/ccs/lib /usr/ucblib /usr/local/lib"
?X: /shlib
 is for Digital Unix 4.0
?X: /usr/shlib is for OSF/1 systems.
?INIT:test -f /usr/shlib/libc.so && glibpth="/usr/shlib $glibpth"
?INIT:test -f /shlib/libc.so     && glibpth="/shlib $glibpth"
?INIT:
?INIT:: Private path used by Configure to find libraries.  Its value
?INIT:: is prepended to libpth. This variable takes care of special
?INIT:: machines, like the mips.  Usually, it should be empty.
?INIT:plibpth=''
?INIT:
: Set private lib path
case "$plibpth" in
'') if ./mips; then
?X: on mips, we DO NOT want /lib, and we want $incpath/usr/lib
  plibpth="$incpath/usr/lib /usr/local/lib /usr/ccs/lib"
 fi;;
```

```
esac
case "$libpth" in
' ') dlist="";;
") dlist="$loclibpth $plibpth $glibpth";;
*) dlist="$libpth";;
esac

: Now check and see which directories actually exist, avoiding duplicates
libpth="
for xxx in $dlist
do
   if $test -d $xxx; then
  case " $libpth " in
  *" $xxx "*) ;;
  *) libpth="$libpth $xxx";;
  esac
   fi
done
$cat <<'EOM'

Some systems have incompatible or broken versions
 of libraries.  Among
the directories listed in the question below, please remove any you
know not to be holding relevant libraries, and add any that are needed.
Say "none" for none.

EOM
case "$libpth" in
") dflt='none';;
*)
?X: strip leading space
 set X $libpth
 shift
 dflt=${1+"$@"}
 ;;
esac
rp="Directories to use for library searches?"
. ./myread
case "$ans" in
none) libpth=' ';;
*) libpth="$ans";;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libpth.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: lex.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Orginal Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: lex.U,v $
?RCS: Revision 3.0.1.3  1994/10/29  16:22:50  ram
?RCS: patch36: spurious single quote could cause Configure to crash
?RCS: patch36: (reported by Xavier Le Vourch <xavierl@eiffel.com>.)
?RCS:
?RCS: Revision 3.0.1.2  1994/08/29  16:27:09  ram
?RCS: patch32: added lexflags variable for lex flags setting
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  15:06:01  ram
?RCS: patch23: added
 trailing blank line for metalint
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:55  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:lex lexflags: Guess Myread Oldconfig flex test
?MAKE: -pick add $@ %<
?S:lex:
?S: This variable holds the name of the lexical analyser generator we
?S: want to use in the Makefile. It can be lex or flex.
?S:.
?S:lexflags:
?S: This variable holds any flags that should be passed to the lexical
?S: analyzer.  It is up to the Makefile to use it.
?S:.
: determine lexical analyser generator
case "$lex" in
")
 dflt=lex;;
*)
 dflt="$lex";;
esac
echo " "
if $test -f "$flex"; then
 rp='Which lexical analyser generator (lex or flex) shall I use?'
else
```

```
 rp='Which lexical analyser generator shall I use?'
fi
. ./myread
lex="$ans"

@if lexflags
: if using lex this will normally be useless, but flex frequently takes args
echo " "
case "$lexflags" in
") dflt='none';;
*) dflt="$lexflags";;
esac
rp="What flags should be given to $lex?"
. ./myread
case "$ans"
 in
none) lexflags=";;
*) lexflags="$ans";;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/lex.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: AAAAA.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: AAAAA.U,v $
?RCS: Revision 3.0.1.4  1994/06/20  06:50:26  ram
?RCS: patch30: changes from Jarkko Hietaniemi are tagged with JHI
?RCS:
?RCS: Revision 3.0.1.3  1994/05/06  14:01:39  ram
?RCS: patch23: initials for Wayne Davison are now WED
?RCS: patch23: added initials for new unit contributor Andy Dougherty
?RCS:
?RCS: Revision 3.0.1.2  1994/01/24  14:01:09  ram
?RCS: patch16: make metalint shut up on special unit definition for All target
?RCS:
```

?RCS: Revision
3.0.1.1 1993/09/13 15:43:57 ram
?RCS: patch10: documents initials used for Wayne Davison's contributions
?RCS:
?RCS: Revision 3.0 1993/08/18 12:04:44 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: The purpose of this file is to supply the head of the Makefile created
?X: by metaconfig. For this reason it must be first in alphabetical order.
?X: The leading '+' in front of the unit name is a hint for metalint, since
?X: the use of that special unit name as a "made" unit is legitimate here.
?X:
?MAKE:+All: Finish
?X:
?X: Throughout the units, the following initials are used to identify comments:
?X:
?X: HMS: Harlan Stenn
?X: RAM: Raphael Manfredi
?X: WED: Wayne Davison (was WAD by mistake--RAM)
?X: ADO: Andy Dougherty
?X: JHI: Jarkko Hietaniemi
?X:
?X: Agreed, this is a weird place to document it, but I couldn't find a better
?X: place to do so. I've bet on the curiosity of users, who would probably
?X: want to know what's in this strangely-named file--RAM.

Found
in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/AAAAA.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: spitshell.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: spitshell.U,v $
?RCS: Revision 3.0.1.4 1997/02/28 16:22:12 ram
?RCS: patch61: removed useless chatter as this is now done very early
?RCS:
?RCS: Revision 3.0.1.3 1995/01/11 15:37:01 ram

```
?RCS: patch45: use 'test -f' instead of 'test -r' for exec-only cat progs (WED)
?RCS: patch45: protected "sh -c" within backquotes for Linux and SGI
?RCS:
?RCS: Revision 3.0.1.2  1994/08/29  16:33:00  ram
?RCS: patch32: don't create spitshell under the UU directory
?RCS:
 patch32: allow for cat in /bin or /usr/bin
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:12:58  ram
?RCS: patch10: made #!-failure message more friendly (WAD)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:49  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:spitshell shsharp sharpbang: eunicefix sh Head
?MAKE: -pick add $@ %<
?S:spitshell:
?S: This variable contains the command necessary to spit out a runnable
?S: shell on this system.  It is either cat or a grep -v for # comments.
?S:.
?S:shsharp:
?S: This variable tells further Configure units whether your sh can
?S: handle # comments.
?S:.
?S:sharpbang:
?S: This variable contains the string #! if this system supports that
?S: construct.
?S:.
?F:!sharp
?T:xcat p
?X: "paths" comes from Head
?LINT:extern paths _exe
: see if sh knows # comments
?X: This is loaded up early, so avoid being chatty.
?X: echo " "
?X: echo "Checking your $sh to see if it knows about # comments..." >&2
if `$sh -c '#' >/dev/null 2>&1`; then
?X: echo
 "Your $sh handles # comments correctly."
 shsharp=true
 spitshell=cat
?X: echo " "
?X: echo "Okay, let's see if #! works on this system..."
 xcat=/bin/cat
 test -f $xcat$_exe || xcat=/usr/bin/cat
 if test ! -f $xcat$_exe; then
  for p in `echo $PATH | sed -e "s/$p_/ /g"` $paths; do
   if test -f $p/cat$_exe; then
```

```
    xcat=$p/cat
    break
   fi
  done
  if test ! -f $xcat$_exe; then
   echo "Can't find cat anywhere!"
   exit 1
  fi
 fi
 echo "#!$xcat" >sharp
 $eunicefix sharp
 chmod +x sharp
 ./sharp > today 2>/dev/null
 if test -s today; then
?X:  echo "It does."
  sharpbang='#!'
 else
  echo "#! $xcat" > sharp
  $eunicefix sharp
  chmod +x sharp
  ./sharp > today 2>/dev/null
  if test -s today; then
?X:   echo "It does."
   sharpbang='#! '
  else
?X:   echo "Okay, let's see if #! works on this system..."
?X:   echo "It's just a comment."
   sharpbang=': use '
  fi
 fi
else
 echo " "
 echo "Your $sh doesn't grok # comments--I will strip them later on."
 shsharp=false
?X: The
 spitshell script will be perused, so leave it out the UU directory
 cd ..
 echo "exec grep -v '^[  ]*#'" >spitshell
 chmod +x spitshell
 $eunicefix spitshell
 spitshell=`pwd`/spitshell
 cd UU
 echo "I presume that if # doesn't work, #! won't work either!"
 sharpbang=': use '
fi
rm -f sharp today
```

Found in path(s):

* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/spitshell.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Setvar.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Setvar.U,v $
?RCS: Revision 3.0.1.1  1994/10/29  15:58:28  ram
?RCS: patch36: call ./whoa explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:16  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a variable that is intended to be eval'ed in
?X: order to define/undefine a symbol. A consistency check is made
?X: regarding any previous value and a warning is issued if there
?X: is any discrepancy.
?X:
?X:
 To use it, say:
?X: val=<value>
?X: set d_variable
?X: eval $setvar
?X:
?MAKE:Setvar: Whoa
?MAKE: -pick add $@ %<
?LINT:define setvar
?S:setvar:
?S: This shell variable is used internally by Configure to set a value
?S: to a given symbol that is defined or not. A typical use is:
?S: val=<value computed>
?S:  set d_variable
?S:  eval $setvar
?S: That will print a message in case the $val value is not the same
?S: as the previous value of $d_variable.
?S:.
?V:setvar:val
?T:var was td tu
: function used to set '$1' to '$val'
```

```
setvar='var=$1; eval "was=\$$1"; td=$define; tu=$undef;
case "$val$was" in
$define$undef) . ./whoa; eval "$var=\$td";;
$undef$define) . ./whoa; eval "$var=\$tu";;
*) eval "$var=$val";;
esac'
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Setvar.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Nothing.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Nothing.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:09  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: The purpose of this file is to supply an empty target for the private
?X: Makefile built by metaconfig to order the units.
?X:
?MAKE:Nothing: Head
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Nothing.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: cf_who.U,v $
```

```
?RCS: Revision 3.0.1.2  1997/02/28  15:28:50  ram
?RCS: patch61: new computation method avoiding use of temporary file
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  14:42:34  ram
?RCS: patch23: login name now computed the hard way
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:32  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: Oldconfig dependency is there to ensure computation occurs after old values
?X: from config.sh have been loaded, so that we can supersede them.
?X:
?MAKE:cf_time
 cf_by: date Oldconfig
?MAKE: -pick add $@ %<
?S:cf_time:
?S: Holds the output of the "date" command when the configuration file was
?S: produced. This is used to tag both config.sh and config_h.SH.
?S:.
?S:cf_by:
?S: Login name of the person who ran the Configure script and answered the
?S: questions. This is used to tag both config.sh and config_h.SH.
?S:.
?LINT:change LC_ALL LANGUAGE
: who configured the system
?X: Ensure English date -- Jarkko Hietaniemi
cf_time=`LC_ALL=C; LANGUAGE=C; export LC_ALL; export LANGUAGE; $date 2>&1`
?X:
?X: Leave a white space between first two '(' for ksh. The sub-shell is needed
?X: on some machines to avoid the error message when logname is not found; e.g.
?X: on SUN-OS 3.2, (logname || whoami) would not execute whoami if logname was
?X: not found. Sigh!
?X:
?X: Convex had a broken logname executable which returned a non-zero status,
?X: and that broke the previous:
?X:   cf_by=`( (logname) 2>/dev/null || whoami) 2>&1`
?X: Switch to emergency
 mode... -- RAM, 19/04/94
?X:
?X: Parentheses needed to avoid error message if the program does not exist.
?X: Uses case instead of $test so it can be put before $test is defined.
?X: Don't redirect to a file because on Ultrix (under script?) logname
?X: outputs a blank line first.  This method will apparently work.
case "$cf_by" in
"")
 cf_by=`(logname) 2>/dev/null`
 case "$cf_by" in
```

```
 "")
  cf_by=`(whoami) 2>/dev/null`
  case "$cf_by" in
  "") cf_by=unknown ;;
  esac ;;
 esac ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/cf_who.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Unix.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:20:06  ram
?RCS: patch61: created
?RCS:
?X:
?X: The purpose of this unit is to define things that are common across all
?X: known UNIX platforms. If Configure is ported/used on a non-UNIX
?X: environment, then some of the following variables can be redefined in hint
?X: files.
?X:
?MAKE:Unix _a _o firstmakefile archobjs: Oldconfig
?MAKE: -pick add $@ %<
?S:_a (lib_ext):
?S: This variable defines the extension
 used for ordinary libraries.
?S: For unix, it is '.a'.  The '.' is included.  Other possible
?S: values include '.lib'.
?S:.
?S:_o (obj_ext):
?S: This variable defines the extension used for object files.
?S: For unix, it is '.o'.  The '.' is included.  Other possible
?S: values include '.obj'.
?S:.
?S:firstmakefile:
```

```
?S: This variable defines the first file searched by make.  On unix,
?S: it is makefile (then Makefile).  On case-insensitive systems,
?S: it might be something else.  This is only used to deal with
?S: convoluted make depend tricks.
?S:.
?S:archobjs:
?S: This variable defines any additional objects that must be linked
?S: in with the program on this architecture.  On unix, it is usually
?S: empty.  It is typically used to include emulations of unix calls
?S: or other facilities.  For perl on OS/2, for example, this would
?S: include os2/os2.obj.
?S:.
?INIT:: Extra object files, if any, needed on this platform.
?INIT:archobjs="
: Define several unixisms.
: Hints files
 or command line option can be used to override them.
case "$_a" in
") _a='.a';;
esac
case "$_o" in
") _o='.o';;
esac

@if firstmakefile
: Which makefile gets called first.  This is used by make depend.
case "$firstmakefile" in
") firstmakefile='makefile';;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Unix.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libdbm.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: You may reuse parts of this distribution only within the terms of
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libdbm.U,v $
```

```
?RCS: Revision 3.0.1.1  1997/02/28  15:56:57  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:58  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libdbm: test Loc libpth _a
?MAKE: -pick add $@ %<
?S:libdbm:
?S: This variable contains the argument to pass to the loader in order
?S: to get the dbm library routines.  If there is no dbm or ndbm
?S: library, it is null.
?S:.
?T:xxx
:
 see if we should include -ldbm
echo " "
if $test -r /usr/lib/libndbm$_a || $test -r /usr/local/lib/libndbm$_a ; then
 echo "-lndbm found." >&4
 libdbm='-lndbm'
elif $test -r /usr/lib/libdbm$_a || $test -r /usr/local/lib/libdbm$_a ; then
 echo "-ldbm found." >&4
 libdbm='-ldbm'
else
 xxx=`./loc libdbm$_a x $libpth`
 case "$xxx" in
 x)
  echo "No dbm library found." >&4
  libdbm=''
  ;;
 *)
  echo "DBM library found in $xxx." >&4
  libdbm="$xxx"
  ;;
 esac
fi
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libdbm.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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```

```
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Typedef.U,v $
?RCS: Revision 3.0.1.3  1995/07/25  13:42:07  ram
?RCS: patch56: added backslash escapes within evals to prevent space problems
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  16:01:16  ram
?RCS: patch36: don't clobber visible 'val' variable, use 'varval' instead
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:05:14  ram
?RCS: patch32: created
?RCS:
?X:
?X: This unit checks for the definition of a given typedef.
?X:
?X: To use it, say:
?X: set typedef val_t default [includes]
?X: eval $typedef
?X:
?MAKE:Typedef:
 cppstdin cppminus cppflags rm contains Oldconfig
?MAKE: -pick add $@ %<
?F:!temp.c
?LINT:define typedef
?V:typedef
?S:typedef:
?S: This shell variable is used internally by Configure to check
?S: wether a given typedef is defined or not. A typical use is:
?S:  set typedef val_t default [includes]
?S:  eval $typedef
?S: That will return val_t set to default if the typedef was not found,
?S: to typedef otherwise. If no includes are specified, look in sys/types.h.
?S:.
?T:type var def inclist varval inc
: define an is-a-typedef? function
typedef='type=$1; var=$2; def=$3; shift; shift; shift; inclist=$@;
case "$inclist" in
"") inclist="sys/types.h";;
esac;
eval "varval=\$$var";
case "$varval" in
"")
 $rm -f temp.c;
 for inc in $inclist; do
  echo "#include <$inc>" >>temp.c;
 done;
```

```
 $cppstdin $cppflags $cppminus < temp.c >temp.E 2>/dev/null;
 if $contains $type temp.E >/dev/null 2>&1; then
  eval "$var=\$type";
 else
  eval "$var=\$def";
 fi;
 $rm -f temp.?;;
*) eval
 "$var=\$varval";;
esac'
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Typedef.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: End.U,v $
?RCS: Revision 3.0  1993/08/18  12:04:51  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit serves as the goal which forces make to choose all the units that
?X: ask questions.  The $W on the ?MAKE: line is the list of all symbols wanted.
?X: To force any unit to be included, copy this unit to your private U directory
?X: and add the name of the unit desired to the ?MAKE: dependency line.
?X:
?MAKE:End: $W
?MAKE: -pick add $@ %<
?LINT:use $W
: end of configuration
 questions
echo " "
echo "End of configuration questions."
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/End.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_byacc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_byacc.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:31:14  ram
?RCS: patch61: created
?RCS:
?MAKE:d_byacc: byacc Setvar
?MAKE: -pick add $@ %<
?S:d_byacc:
?S: This variable indicates whether byacc is available.
?S: If the user has specified 'portability', then Makefile.SH
?S: sees $byacc='byacc' whether or not the user actually has
?S: byacc.  This variable allows us to determine in a makefile
?S: if we really
 have byacc.
?S:.
?LINT:set d_byacc
: Check if we really have byacc
case "$byacc" in
"|'byacc') val="$undef" ;;
*) val="$define" ;;
esac
set d_byacc
eval $setvar
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_byacc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Csym.U,v $
?RCS: Revision 3.0.1.4  1995/07/25  13:36:29  ram
?RCS: patch56: re-arranged compile line to include ldflags before objects
?RCS: patch56: added quotes for OS/2 support
?RCS:
?RCS: Revision 3.0.1.3  1995/05/12  12:00:33  ram
?RCS: patch54: fixed C test program to bypass gcc builtin type checks (ADO)
?RCS:
?RCS: Revision 3.0.1.2  1994/10/31  09:34:13  ram
?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U
?RCS:
?RCS: Revision 3.0.1.1  1993/08/25  14:00:05  ram
?RCS:
 patch6: added ldflags as a conditional dependency and to compile line
?RCS: patch6: a final double quote was missing in csym variable after eval
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:50  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:Csym: Options contains libc libs runnm +cc +ccflags +ldflags rm
?MAKE: -pick add $@ %<
?LINT:define csym
?LINT:use libc
?S:csym:
?S: This shell variable is used internally by Configure to check
?S: wether a given C symbol is defined or not. A typical use is:
?S:  set symbol result [-fva] [previous]
?S:  eval $csym
?S: That will set result to 'true' if the function [-f], variable [-v]
?S: or array [-a] is defined, 'false' otherwise. If a previous value is
?S: given and the -r flag was provided on the command line, that value
?S: is reused without questioning.
?S:.
?V:csym
?T:tval tx tlook tf tdc tc
: is a C symbol defined?
csym='tlook=$1;
case "$3" in
-v) tf=libc.tmp; tc=""; tdc="";;
-a) tf=libc.tmp; tc="[0]"; tdc="[]";;
*) tlook="^$1\$";
 tf=libc.list; tc=""; tdc="()";;
esac;
tx=yes;
case "$reuseval-$4" in
```

```
true-) ;;
true-*) tx=no; eval "tval=\$$4"; case "$tval" in "") tx=yes;; esac;;
esac;
case "$tx" in
yes)
 case "$runnm" in
 true)
  if $contains $tlook $tf >/dev/null 2>&1;
  then tval=true;
  else tval=false;
  fi;;
 *)
?X:
?X: We use 'char' instead of 'int' to try to circumvent overzealous
?X: optimizing compilers using built-in prototypes for commonly used
?X: routines to complain when seeing a different external declaration. For
?X: instance, gcc 2.6.3 fails if we use 'int' and we attempt a test against
?X: memcpy() on machines where sizeof(int) == sizeof(char *) (the usual return
?X: type), the compiler assuming it's a built-in declaration given that the
?X: returned size matches. At least with 'char' we are safe! -- RAM, for ADO
?X:
?X: Let's thank GNU cc for making our lifes so easy! :-)
?X: (An alternative for the future would be to use our knowledge about gcc
?X: to force a -fno-builtin option in the
 compile test, in case the 'char'
?X: trick is obsoleted by future gcc releases). -- RAM
?X:
?X: Lastly, gcc 3.4 otimizes &missing == 0 away, so we use + 2 instead now.
?X: The GNU folks like to do weird things, don't they? -- RAM, 2004-06-05
?X:
  echo "extern char $1$tdc; int main() { return &$1$tc + 2; }" > t.c;
  if $cc $ccflags $ldflags -o t t.c $libs >/dev/null 2>&1;
  then tval=true;
  else tval=false;
  fi;
  $rm -f t t.c;;
 esac;;
*)
 case "$tval" in
 $define) tval=true;;
 *) tval=false;;
 esac;;
esac;
eval "$2=$tval"'
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Csym.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Begin.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Begin.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  14:56:35  ram
?RCS: patch61: added Extractall dependency
?RCS:
?RCS: Revision 3.0.1.2  1995/01/30  14:25:08  ram
?RCS: patch49: avoid an empty rmlist: systems might choke on it (WED)
?RCS:
?RCS: Revision 3.0.1.1  1994/10/31  09:32:20  ram
?RCS: patch44: created
?RCS:
?X:
?X: This file comes after option processing had been done and after all
?X: the default values have been set up. It marks the beginning
 of questions.
?X: It is important that Options be listed *after* Myinit to ensure that the
?X: default initializations performed by Init and Myinit will not clobber
?X: any setting done on the command line via -D or -U.
?X:
?MAKE:Begin: Myinit Options package Extractall
?MAKE: -pick add $@ %<
: Eunice requires " " instead of "", can you believe it
echo " "
: Here we go...
echo "Beginning of configuration questions for $package."

?X: Make sure the rm below is given a non-empty list for some systems.
?X: This is run only when within the UU directory, hence we can safely
?X: attempt to rm a non-existent 'X' file...
trap 'echo " "; test -d ../UU && rm -rf X $rmlist; exit 1' 1 2 3 15
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Begin.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: maildir.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: maildir.U,v $
?RCS: Revision 3.0.1.1  1993/12/15  08:21:56  ram
?RCS: patch15: now also looks under /var/mail for BSD/386
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:09  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:maildir maildirexp: Getfile Loc Oldconfig
?MAKE: -pick add $@ %<
?S:maildir:
?S: This variable contains the name of the directory in which mail is
?S: spooled. Programs using this variable must be prepared to deal with
?S: ~name
 substitutions.
?S:.
?S:maildirexp:
?S: This is the same as the maildir variable, but is filename expanded
?S: at configuration time, for programs not willing to deal with it at
?S: run-time.
?S:.
: determine where mail is spooled
case "$maildir" in
") dflt=`./loc . /usr/spool/mail /usr/spool/mail /usr/mail /var/mail`;;
*) dflt="$maildir";;
esac
echo " "
fn=d~
rp='Where is yet-to-be-read mail spooled?'
. ./getfile
maildir="$ans"
maildirexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/maildir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: contains.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: contains.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:35  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:contains: Nothing
?MAKE: -pick add $@ %<
?S:contains:
?S: This variable holds the command to do a grep with a proper return
?S: status.  On most sane systems it is simply "grep".  On insane systems
?S: it is a grep followed by a cat followed by a test.  This variable
?S: is primarily for the use of other Configure units.
?S:.
: Some
 greps do not return status, grrr.
echo "grimblepritz" >grimble
if grep blurfldyick grimble >/dev/null 2>&1 ; then
 contains=contains
elif grep grimblepritz grimble >/dev/null 2>&1 ; then
 contains=grep
else
 contains=contains
fi
rm -f grimble
: the following should work in any shell
case "$contains" in
contains*)
 echo " "
 echo "AGH!  Grep doesn't return a status.  Attempting remedial action."
 cat >contains <<'EOSS'
grep "$1" "$2" >.greptmp && cat .greptmp && test -s .greptmp
EOSS
chmod +x contains
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/contains.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: Options.U 1 2006-08-24 12:32:52Z rmanfredi $

```
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Options.U,v $
?RCS: Revision 3.0.1.7  1997/02/28  15:08:15  ram
?RCS: patch61: optdef.sh now starts with a "startsh"
?RCS: patch61: moved some code from Head.U
?RCS:
?RCS: Revision 3.0.1.6  1995/09/25  09:14:46  ram
?RCS: patch59: protected option parsing code against 'echo -*' option failure
?RCS:
?RCS: Revision 3.0.1.5  1995/05/12  12:04:52  ram
?RCS: patch54: added -K option for experts
?RCS:
?RCS: Revision 3.0.1.4  1995/01/30  14:27:52  ram
?RCS:
 patch49: this unit now exports file optdef.sh, not a variable
?RCS:
?RCS: Revision 3.0.1.3  1995/01/11  15:19:00  ram
?RCS: patch45: new -O option allowing -D and -U to override config.sh settings
?RCS: patch45: file optdef.sh is no longer removed after sourcing
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  15:58:06  ram
?RCS: patch36: ensure option definition file is removed before appending
?RCS: patch36: protect variable definitions with spaces in them
?RCS:
?RCS: Revision 3.0.1.1  1994/06/20  06:55:44  ram
?RCS: patch30: now uses new me symbol to tag error messages
?RCS: patch30: new -D and -U options to define/undef symbols (JHI)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:14  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: Command line parsing. It is really important that the variables used here
?X: be not listed in the MAKE line, or they will be saved in config.sh and
?X: loading this file to fetch default answers would clobber the values set
?X: herein.
?X:
?MAKE:Options:
 startsh
?MAKE: -pick wipe $@ %<
```

```
?V:reuseval alldone error realsilent silent extractsh fastread \
 knowitall: config_sh
?T:arg argn symbol config_arg0 config_args config_argc xxx yyy zzz uuu
?T:args_exp args_sep arg_exp ccflags
?F:!Configure
?F:./optdef.sh ./cmdline.opt ./posthint.sh ./cmdl.opt
: Save command line options in file UU/cmdline.opt for later use in
: generating config.sh.
?X: This temporary file will be read by Oldsym.U.  I used a temporary
?X: file to preserve all sorts of potential command line quotes and
?X: also because we don't know in advance how many variables we'll
?X: need, so I can't actually declare them on the MAKE line.
?X: The config_args variable won't be quite correct if Configure is
?X: fed something like    ./Configure -Dcc="gcc -B/usr/ccs/bin/"
?X: since the quotes are gone by the time we see them.  You'd have to
?X: reconstruct the command line from the config_arg? lines, but since
?X: I don't imagine anyone actually having to do that, I'm not going
?X:
 to worry too much.
cat > cmdline.opt <<EOSH
: Configure command line arguments.
config_arg0='$0'
config_args='$*'
config_argc=$#
EOSH
argn=1
args_exp=''
args_sep=''
for arg in "$@"; do
 cat >>cmdline.opt <<EOSH
config_arg$argn='$arg'
EOSH
?X: Extreme backslashitis: replace each ' by '''''
 cat <<EOC | sed -e "s/'/'''''''''''''''/g" > cmdl.opt
$arg
EOC
 arg_exp=`cat cmdl.opt`
 args_exp="$args_exp$args_sep'$arg_exp'"
 argn=`expr $argn + 1`
 args_sep=' '
done
?X: args_exp is good for restarting self: eval "set X $args_exp"; shift; $0 "$@"
?X: used by hints/os2.sh in Perl, for instance
rm -f cmdl.opt

: produce awk script to parse command line options
cat >options.awk <<'EOF'
BEGIN {
```

```
 optstr = "A:dD:eEf:hKOrsSU:V"; # getopt-style specification

 len = length(optstr);
 for (i = 1; i <= len; i++) {
  c = substr(optstr, i, 1);
?X: some older awk's do not have the C ?: construct
  if (i < len) a = substr(optstr, i + 1, 1); else a = "";
  if (a == ":") {
   arg[c] = 1;
   i++;
  }
  opt[c]
 = 1;
 }
}
{
 expect = 0;
 str = $0;
 if (substr(str, 1, 1) != "-") {
  printf("'%s'\n", str);
  next;
 }
 len = length($0);
 for (i = 2; i <= len; i++) {
  c = substr(str, i, 1);
  if (!opt[c]) {
   printf("-%s\n", substr(str, i));
   next;
  }
  printf("-%s\n", c);
  if (arg[c]) {
   if (i < len)
    printf("'%s'\n", substr(str, i + 1));
   else
    expect = 1;
   next;
  }
 }
}
END {
 if (expect)
  print "?";
}
EOF

: process the command line options
?X: Use "$@" to keep arguments with spaces in them from being split apart.
?X: For the same reason, awk will output quoted arguments and the final eval
```

```
?X: removes them and sets a proper $* array. An 'X' is prepended to each
?X: argument before being fed to echo to guard against 'echo -x', where -x
?X: would be understood as an echo option! It is removed before feeding awk.
set X `for arg in "$@"; do echo "X$arg"; done |
 sed -e s/X// | awk -f options.awk`
eval "set $*"
shift
rm -f options.awk

: set up default values
fastread=''
reuseval=false
config_sh=''
alldone=''
error=''
silent=''
extractsh=''
knowitall=''
rm
 -f optdef.sh posthint.sh
cat >optdef.sh <<EOS
$startsh
EOS

?X:
?X: Given that we now have the possibility to execute Configure remotely
?X: thanks to the new src.U support, we have to face the possibility
?X: of having to ask where the source lie, which means we need the Myread.U
?X: stuff and possibly other things that might echo something on the
?X: screen...
?X:
?X: That's not pretty, and might be confusing in 99% of the time. So...
?X: We introduce a new realsilent variable which is set when -s is given,
?X: and we force silent=true if -S is supplied. The Extractall.U unit
?X: will then undo the >&4 redirection based on the value of the
?X: realsilent variable... -- RAM, 18/93/96
?X:

: option parsing
while test $# -gt 0; do
 case "$1" in
 -d) shift; fastread=yes;;
 -e) shift; alldone=cont;;
 -f)
  shift
  cd ..
  if test -r "$1"; then
   config_sh="$1"
```

```
 else
  echo "$me: cannot read config file $1."
>&2
  error=true
 fi
 cd UU
 shift;;
--help|\
-h) shift; error=true;;
-r) shift; reuseval=true;;
-s) shift; silent=true; realsilent=true;;
-E) shift; alldone=exit;;
-K) shift; knowitall=true;;
-O) shift;;
-S) shift; silent=true; extractsh=true;;
-D)
 shift
 case "$1" in
 *=)
  echo "$me: use '-U symbol=', not '-D symbol='." >&2
  echo "$me: ignoring -D $1" >&2
  ;;
 *=*) echo "$1" | \
   sed -e "s/'/'\''\''/g" -e "s/=\(.*\)/='\1'/" >> optdef.sh;;
 *) echo "$1='define'" >> optdef.sh;;
 esac
 shift
 ;;
-U)
 shift
 case "$1" in
 *=) echo "$1" >> optdef.sh;;
 *=*)
  echo "$me: use '-D symbol=val', not '-U symbol=val'." >&2
  echo "$me: ignoring -U $1" >&2
  ;;
 *) echo "$1='undef'" >> optdef.sh;;
 esac
 shift
 ;;
-A)
    shift
    xxx=''
    yyy="$1"
    zzz=''
    uuu=undef
    case "$yyy" in
          *=*) zzz=`echo "$yyy"|sed 's!=.*!!'`
```

```
            case "$zzz" in
            *:*) zzz=" ;;
            *)   xxx=append

            zzz=" "`echo "$yyy"|sed 's!^[^=]*=!!'`
                yyy=`echo "$yyy"|sed 's!=.*!!'` ;;
            esac
            ;;
        esac
        case "$xxx" in
        ")  case "$yyy" in
            *:*) xxx=`echo "$yyy"|sed 's!:.*!!'`
                yyy=`echo "$yyy"|sed 's!^[^:]*:!!'`
                zzz=`echo "$yyy"|sed 's!^[^=]*=!!'`
                yyy=`echo "$yyy"|sed 's!=.*!!'` ;;
            *)   xxx=`echo "$yyy"|sed 's!:.*!!'`
                yyy=`echo "$yyy"|sed 's!^[^:]*:!!'` ;;
            esac
            ;;
        esac
   case "$xxx" in
   append)
echo "$yyy=\"\${$yyy}$zzz\"" >> posthint.sh ;;
   clear)
echo "$yyy=""   >> posthint.sh ;;
   define)
       case "$zzz" in
") zzz=define ;;
esac
echo "$yyy='$zzz'"  >> posthint.sh ;;
   eval)
echo "eval \"$yyy=$zzz\"" >> posthint.sh ;;
   prepend)
echo "$yyy=\"$zzz\${$yyy}\"" >> posthint.sh ;;
   undef)

     case "$zzz" in
") zzz="$uuu" ;;
esac
echo "$yyy=$zzz"  >> posthint.sh ;;
        *)  echo "$me: unknown -A command '$xxx', ignoring -A $1" >&2 ;;
   esac
   shift
   ;;
-V) echo "$me generated by metaconfig <VERSION> PL<PATCHLEVEL>." >&2
   exit 0;;
--) break;;
-*) echo "$me: unknown option $1" >&2; shift; error=true;;
```

```
 *) break;;
 esac
done

case "$error" in
true)
 cat >&2 <<EOM
Usage: $me [-dehrsEKOSV] [-f config.sh] [-D symbol] [-D symbol=value]
            [-U symbol] [-U symbol=] [-A command:symbol...]
 -d : use defaults for all answers.
 -e : go on without questioning past the production of config.sh.
 -f : specify an alternate default configuration file.
 -h : print this help message and exit (with an error status).
 -r : reuse C symbols value if possible (skips costly nm extraction).
 -s : silent mode, only echoes questions and essential information.
 -D : define symbol to have some value:
      -D symbol              symbol gets the
 value 'define'
      -D symbol='some value'   symbol is set to 'some value'
     common used examples (see INSTALL for more info):
      -Duse64bitint          use 64bit integers
      -Duse64bitall          use 64bit integers and pointers
      -Dusethreads           use thread support
      -Dinc_version_list=none  do not include older perl trees in @INC
      -DEBUGGING=none        DEBUGGING options
      -Dcc=gcc               choose your compiler
      -Dprefix=/opt/perl5    choose your destination
 -E : stop at the end of questions, after having produced config.sh.
 -K : do not use unless you know what you are doing.
 -O : ignored for backward compatibility
 -S : perform variable substitutions on all .SH files (can mix with -f)
 -U : undefine symbol:
      -U symbol    symbol gets the value 'undef'
      -U symbol=   symbol gets completely empty
     e.g.:  -Uversiononly
 -A : manipulate symbol after the platform specific hints
 have been applied:
      -A append:symbol=value   append value to symbol
      -A symbol=value          like append:, but with a separating space
      -A define:symbol=value   define symbol to have value
      -A clear:symbol          define symbol to be ''
      -A define:symbol         define symbol to be 'define'
      -A eval:symbol=value     define symbol to be eval of value
      -A prepend:symbol=value  prepend value to symbol
      -A undef:symbol          define symbol to be 'undef'
      -A undef:symbol=         define symbol to be ''
     e.g.:  -A prepend:libswanted='cl pthread '
           -A ccflags=-DSOME_MACRO
```

```
 -V : print version number and exit (with a zero status).
EOM
 exit 1
 ;;
esac

?X:
?X: Unless they specified either -S or both -d and -e/E, make sure we're
?X: running interactively, i.e. attached to a terminal. Moved from Head.U to
?X: be able to handle batch configurations...
?X:
?X: We have to hardwire the Configure name and
 cannot use $me, since if they
?X: said 'sh <Configure', then $me is 'sh'...
?X:
: Sanity checks
case "$fastread$alldone" in
yescont|yesexit) ;;
*)
 case "$extractsh" in
 true) ;;
 *)
  if test ! -t 0; then
   echo "Say 'sh Configure', not 'sh <Configure'"
   exit 1
  fi
  ;;
 esac
 ;;
esac

?X: In silent mode, the standard output is closed. Questions are asked by
?X: outputing on file descriptor #4, which is the original stdout descriptor.
?X: This filters out all the "junk", since all the needed information is written
?X: on #4. Note that ksh will not let us redirect output if the file descriptor
?X: has not be defined yet, unlike sh, hence the following line...--RAM.
exec 4>&1
case "$silent" in
true) exec 1>/dev/null;;
esac

: run the defines and the undefines, if any, but leave the file out there...
touch optdef.sh
?X: -q is POSIX
?X: It does not work in SysV (solaris) or old BSD greps.
grep '\\' optdef.sh >/dev/null 2>&1
if test $? = 0; then
   echo "Configure does not support \\
```

```
 in -D arguments"
   exit 1
fi
. ./optdef.sh
: create the posthint manipulation script and leave the file out there...
?X: this file will be perused by Oldconfig.U
touch posthint.sh
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Options.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: man1dir.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:10:29  ram
?RCS: patch61: created
?RCS:
?X:
?X: This was originally specific to perl5.  Since perl5 has man pages that
?X: go in both man1/ and man3/ directories, we need both man1dir
?X: and man3dir.  This unit is basically dist's mansrc.U with
?X: man1 used instead of man everywhere.
?X:
?MAKE:man1dir man1direxp man1ext installman1dir: afs cat nroff Loc Oldconfig \
 spackage test Getfile Prefixit prefixexp
 Prefixup sysman Myread
?MAKE: -pick add $@ %<
?Y:TOP
?S:man1dir:
?S: This variable contains the name of the directory in which manual
?S: source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?S:man1direxp:
?S: This variable is the same as the man1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
```

```
?S:.
?S:installman1dir:
?S: This variable is really the same as man1direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man1direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:man1ext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '1'.  The Makefile must supply the '.'.
?S: See man1dir.
?S:.
?T:lookpath
: determine
 where manual pages go
set man1dir man1dir none
eval $prefixit
$cat <<EOM

$spackage has manual pages available in source form.
EOM
case "$nroff" in
nroff)
 echo "However, you don't have nroff, so they're probably useless to you."
 case "$man1dir" in
 ") man1dir="none";;
 esac;;
esac
echo "If you don't want the manual sources installed, answer 'none'."
case "$man1dir" in
' ') dflt=none
 ;;
")
 lookpath="$prefixexp/man/man1 $prefixexp/man/l_man/man1"
 lookpath="$lookpath $prefixexp/man/p_man/man1"
 lookpath="$lookpath $prefixexp/man/u_man/man1"
 lookpath="$lookpath $prefixexp/man/man.1"
?X: Experience has shown people expect man1dir to be under prefix,
?X: so we now always put it there.  Users who want other behavior
?X: can answer interactively or use a command line option.
?X: Does user have System V-style man paths.
 case "$sysman" in
 */?_man*) dflt=`./loc . $prefixexp/l_man/man1 $lookpath` ;;
 *) dflt=`./loc . $prefixexp/man/man1 $lookpath` ;;
 esac
 set dflt
 eval $prefixup
 ;;
```

```
*)
  dflt="$man1dir"
 ;;
esac
echo " "
fn=dn+~
rp="Where do the main $spackage manual pages (source) go?"
. ./getfile
if $test "X$man1direxp" != "X$ansexp"; then
 installman1dir=''
fi
man1dir="$ans"
man1direxp="$ansexp"
case "$man1dir" in
'') man1dir=' '
 installman1dir='';;
esac
if $afs; then
 $cat <<EOM

Since you are running AFS, I need to distinguish the directory in which
manual pages reside from the directory in which they are installed (and from
which they are presumably copied to the former directory by occult means).

EOM
 case "$installman1dir" in
 '') dflt=`echo $man1direxp | sed 's#^/afs/#/afs/.#'`;;
 *) dflt="$installman1dir";;
 esac
 fn=de~
 rp='Where will man pages be installed?'
 . ./getfile
 installman1dir="$ans"
else
 installman1dir="$man1direxp"
fi

: What suffix to use on installed man pages

case "$man1dir" in
' ')
 man1ext='0'
 ;;
*)
 rp="What suffix should be used for the main $spackage man pages?"
 case "$man1ext" in
 '') case "$man1dir" in
  *1)  dflt=1 ;;
```

```
  *1p)
 dflt=1p ;;
  *1pm) dflt=1pm ;;
  *l) dflt=l;;
  *n) dflt=n;;
  *o) dflt=o;;
  *p) dflt=p;;
  *C) dflt=C;;
  *L) dflt=L;;
  *L1) dflt=L1;;
  *) dflt=1;;
  esac
  ;;
 *) dflt="$man1ext";;
 esac
 . ./myread
 man1ext="$ans"
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/man1dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Rcs.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Rcs.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:15  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This is a unit that helps people who write SH scripts and keep them under
?X: RCS, but don't think to protect the $Log and other $Id keywords from
?X: variable substitution (or people like me who do not like to).
?X:
?MAKE:Author Date Header Id Locker Log RCSfile Revision Source State: Oldconfig
?MAKE: -pick weed $@ %<
?LINT:describe Author
```

```
 Date Header Id Locker Log RCSfile Revision Source State
: preserve RCS keywords in files with variable substitution, grrr
?Author:Author='$Author'
?Date:Date='$Date'
?Header:Header='$Header'
?Id:Id='$Id'
?$Locker'
?Log:Log='$Log'
?RCSfile:RCSfile='$RCSfile'
?Revision:Revision='$Revision'
?Source:Source='$Source'
?State:State='$State'
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Rcs.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: siteprefix.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: siteprefix.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:siteprefix siteprefixexp +oldsiteprefix: Getfile Loc Oldconfig cat package prefix
?MAKE: -pick add $@ %<
?S:siteprefix:
?S: This variable holds the full absolute path of the directory below
?S: which the user will install add-on packages.
?S: See INSTALL for usage and examples.
?S:.
?S:siteprefixexp:
?S: This variable holds the full absolute path of the
 directory below
?S: which the user will install add-on packages.  Derived from siteprefix.
?S:.
?S:oldsiteprefix:
?S: This variable is set non-null if the siteprefix was previously defined
?S: and gets set to a new value. Used internally by Configure only.
?S:.
```

```
: Set the siteprefix variables
$cat <<EOM

After $package is installed, you may wish to install various
add-on modules and utilities.  Typically, these add-ons will
be installed under $prefix with the rest
of this package.  However, you may wish to install such add-ons
elsewhere under a different prefix.

If you do not wish to put everything under a single prefix, that's
ok.  You will be prompted for the individual locations; this siteprefix
is only used to suggest the defaults.

The default should be fine for most people.

EOM
fn=d~+
rp='Installation prefix to use for add-on modules and utilities?'
: XXX Here might be another good place for an installstyle setting.
case "$siteprefix" in
") dflt=$prefix ;;
*)  dflt=$siteprefix
 ;;
esac
. ./getfile
: XXX Prefixit unit does not yet support siteprefix and vendorprefix
oldsiteprefix="
case "$siteprefix" in
") ;;
*) case "$ans" in
 "$prefix") ;;
 *) oldsiteprefix="$prefix";;
 esac
 ;;
esac
siteprefix="$ans"
siteprefixexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/siteprefix.U
No license file was found, but licenses were detected in source scan.

```
# $Id: makedir.sh,v 3.0.1.1 1994/01/24 14:00:08 ram Exp ram $
#
#  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
#  You may redistribute only under the terms of the Artistic Licence,
```

```
#  as specified in the README file that comes with the distribution.
#  You may reuse parts of this distribution only within the terms of
#  that same Artistic Licence; a copy of which may be found at the root
#  of the source tree for dist 4.0.
#
# Original Author: Larry Wall <lwall@netlabs.com>
#
# $Log: makedir.sh,v $
# Revision 3.0.1.1  1994/01/24  14:00:08  ram
# patch16: changed top ln-style config.sh lookup into test-style one
#
# Revision 3.0  1993/08/18  12:04:38  ram
# Baseline for dist 3.0 netwide release.
#
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/makedir.SH
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: make.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: make.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:09:40  ram
?RCS: patch61: created
?RCS:
?MAKE:make_set_make : Loc rm sed make
?MAKE: -pick add $@ %<
?S:make_set_make:
?S: Some versions of 'make' set the variable MAKE.  Others do not.
?S: This variable contains the string to be included in Makefile.SH
?S: so that MAKE is set if needed, and not if not needed.
?S: Possible values are:
?S:
?S: make_set_make='#'  #
 If your make program handles this for you,
?S:
?S: make_set_make="MAKE=$make" # if it doesn't.
?S:
```

```
?S: This uses a comment character so that we can distinguish a
?S: 'set' value (from a previous config.sh or Configure -D option)
?S: from an uncomputed value.
?S:.
?LINT: extern MAKE
?LINT: change MAKE
?X: This test is based on one from an autoconf-generated configure
?X: script. Autoconf stole a lot from Configure, but now it's our
?X: turn to do so... ;-) -- RAM, 21/02/97
: check whether make sets MAKE
echo " "
echo "Checking if your $make program sets \$(MAKE)..." >&4
case "$make_set_make" in
")
?X: Use sed so we don't have a line begining with @echo.  Metaconfig
?X: will think that's a command like @if or @end.
 $sed 's/^X //' > testmake.mak << 'EOF'
Xall:
X  @echo 'maketemp="$(MAKE)"'
EOF
?X: GNU make sometimes prints "make[1]: Entering...", which would confuse us
 case "`$make -f testmake.mak 2>/dev/null`" in
 *maketemp=*) make_set_make='#' ;;
 *) make_set_make="MAKE=$make" ;;
 esac
 $rm
 -f testmake.mak
 ;;
esac
case "$make_set_make" in
'#') echo "Yup, it does.";;
*) echo "Nope, it doesn't.";;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/make.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
?RCS: $Log: sysman.U,v $
?RCS: Revision 3.0.1.2  1994/06/20  07:08:43  ram
?RCS: patch30: now explicitly states that /usr/man/man1 is the default
?RCS: patch30: added /usr/local/man/man1 to the search list
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:13:50  ram
?RCS: patch10: added support for /local/man/man1 (WAD)
?RCS: patch10: added temporary syspath variable to cut down on line length
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:55  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:sysman: test
 Loc Oldconfig
?MAKE: -pick add $@ %<
?S:sysman:
?S: This variable holds the place where the manual is located on this
?S: system. It is not the place where the user wants to put his manual
?S: pages. Rather it is the place where Configure may look to find manual
?S: for unix commands (section 1 of the manual usually). See mansrc.
?S:.
?T:syspath
: determine where manual pages are on this system
echo " "
case "$sysman" in
")
 syspath='/usr/share/man/man1 /usr/man/man1'
 syspath="$syspath /usr/man/mann /usr/man/manl /usr/man/local/man1"
 syspath="$syspath /usr/man/u_man/man1 /usr/share/man/man1"
 syspath="$syspath /usr/catman/u_man/man1 /usr/man/l_man/man1"
 syspath="$syspath /usr/local/man/u_man/man1 /usr/local/man/l_man/man1"
 syspath="$syspath /usr/man/man.L /local/man/man1 /usr/local/man/man1"
 sysman=`./loc . /usr/man/man1 $syspath`
 ;;
esac
if $test -d "$sysman"; then
 echo "System manual is in $sysman." >&4
else
 echo "Could not find manual pages in source form." >&4
fi
```

Found
 in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/sysman.U
No license file was found, but licenses were detected in source scan.

```
/*
* $Id: scandir.C,v 3.0.1.1 1994/01/24 13:58:45 ram Exp ram $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* $Log: scandir.C,v $
* Revision 3.0.1.1  1994/01/24  13:58:45  ram
* patch16: created
*
*/
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/C/fake/scandir.C
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Copyright (c) 2000, Jarkko Hietaniemi
?RCS:
?X:
?X: This unit allows the duplication of the source tree to the current
?X: directory via symbolic links.  This must be requested explicitly
?X: by them issuing a -Dmksymlinks on the command line.
?X:
?MAKE:Mksymlinks: Mkdirp lns issymlink src rsrc pkgsrc
?MAKE: -pick add $@ %<
?F:!UU
?T: dir filename tmppwd filelist
?LINT:extern mksymlinks
@if {test -f ../MANIFEST}
: Duplicate the tree with symbolic links if -Dmksymlinks was supplied
case "$mksymlinks"
```

```
 in
$define|true|[yY]*)
 echo " "
 case "$src" in
 "|'.') echo "Cannot create symlinks in the original directory." >&4
  exit 1
  ;;
 *) case "$lns:$issymlink" in
  *"ln"*" -s:"*"test -"?)
   echo "Creating the symbolic links..." >&4
   echo "(First creating the subdirectories...)" >&4
   cd ..
   awk '{print $1}' $src/MANIFEST | grep / | sed 's:/[^/]*$::' | \
    sort -u | while true
   do
    read dir
    test -z "$dir" && break
    ./UU/mkdirp $dir 2>/dev/null
    if test -d $dir; then
     : ok
    else
     echo "Failed to create '$dir'.  Aborting." >&4
     exit 1
    fi
   done
   echo "(Now creating the symlinks...)" >&4
   awk '{print $1}' $src/MANIFEST | while true; do
    read filename
    test -z "$filename" && break
    if test -f $filename; then
     if $issymlink $filename; then
      rm -f $filename
     fi
    fi
    if test -f $filename; then
     echo "$filename already exists, not symlinking."
    else
?X: Note that the following works because "$pkgsrc" is absolute
     ln
 -s $pkgsrc/$filename $filename
    fi
   done
?X: Check that everything was correctly copied
   echo "(Checking current directory...)" >&4
   cd UU
   awk '$1 !~ /PACK[A-Z]+/ {print $1}' "$rsrc/MANIFEST" | \
    (split -l 50 2>/dev/null || split -50)
   rm -f missing
```

```
  tmppwd=`pwd`
  for filelist in x??; do
   (cd ..; ls `cat "$tmppwd/$filelist"` \
    >/dev/null 2>>"$tmppwd/missing")
  done
  if test -s missing; then
   echo "Failed duplication of source tree.  Aborting." >&4
   exit 1
  fi
  ;;
 *) echo "(I cannot figure out how to do symbolic links, ignoring!)" >&4
  ;;
 esac
 ;;
esac
;;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Mksymlinks.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Finish.U,v $
?RCS: Revision 3.0.1.6  1995/02/15  14:09:30  ram
?RCS: patch51: now clearer about how to edit config.sh at the prompt (WED)
?RCS:
?RCS: Revision 3.0.1.5  1994/10/29  15:53:14  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0.1.4  1994/05/06  14:19:37  ram
?RCS: patch23: added blank lines around 'End of Configure'
?RCS:
?RCS: Revision 3.0.1.3  1993/10/16  13:46:09  ram
?RCS: patch12: replaced Config_h by Magic_h in the dependency line
?RCS:
```

```
?RCS:
 Revision 3.0.1.2  1993/09/13  15:45:26  ram
?RCS: patch10: fixed shell evaluation w/o shell escape while in silent mode
?RCS:
?RCS: Revision 3.0.1.1  1993/08/30  08:55:59  ram
?RCS: patch8: prevents myread from blocking on empty answers, exceptionally
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:55  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit is the very last one in the Configure script.  It runs all the
?X: SH files, which among other things produce config.h and (usually) Makefile.
?X: It offers to do a make depend if the Makefile contains that target.
?X:
?MAKE:Finish: Chk_MANI Extract Myread Oldsym Magic_h cat rm contains \
 test package make
?MAKE: -pick add $@ %<
?F:!config.sh
?T:pwd
: Finish up by extracting the .SH files
case "$alldone" in
exit)
?X: They supplied the -E switch
 echo "Stopping at your request, leaving temporary files around."
 exit 0
 ;;
cont)
 ;;
")
 dflt="
 nostick=true
 $cat <<EOM

If you'd like to make any changes to the config.sh
 file before I begin
to configure things, do it as a shell escape now (e.g. !vi config.sh).

EOM
 rp="Press return or use a shell escape to edit config.sh:"
 . UU/myread
 nostick="
 case "$ans" in
 ") ;;
 *) : in case they cannot read
  sh 1>&4 -c "$ans";;
 esac
 ;;
```

```
esac

: if this fails, just run all the .SH files by hand
. ./config.sh

?X:
?X: Turn silent mode off from now on (we want a verbose file extraction).
?X: This means we have to explicitly test for '$silent' from now on to
?X: strip off any verbose messages.
?X:
echo " "
exec 1>&4
pwd=`pwd`
. ./UU/extract
cd "$pwd"

if $contains '^depend:' [Mm]akefile >/dev/null 2>&1; then
 dflt=y
 case "$silent" in
 true) ;;
 *)
  $cat <<EOM

Now you need to generate make dependencies by running "$make depend".
You might prefer to run it in background: "$make depend > makedepend.out &"
It can take a while, so you might not want to run it right now.

EOM
  ;;
 esac
 rp="Run $make depend now?"
 . UU/myread
 case "$ans" in
 y*)
  $make depend
 && echo "Now you must run '$make'."
  ;;
 *)
  echo "You must run '$make depend' then '$make'."
  ;;
 esac
elif test -f [Mm]akefile; then
 echo " "
 echo "Now you must run a $make."
else
 echo "Configure done."
fi
```

```
if $test -f Policy.sh; then
  $cat <<EOM

If you compile $package on a different machine or from a different object
directory, copy the Policy.sh file from this object directory to the
new one before you run Configure -- this will help you with most of
the policy defaults.

EOM
fi
if $test -f UU/config.msg; then
  echo "Hmm.  I also noted the following information while running:"
  echo " "
  $cat UU/config.msg >&4
fi
?X:
?X: kit*isdone files are left over by shell archives built using the makedist
?X: script which comes from dist, while ark*isdone files are left over by
?X: the cshar archive maker.
?X:
$rm -f kit*isdone ark*isdone
$rm -rf UU

: End of Configure
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Finish.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: man1dir.U,v 3.2 1999/07/08 20:57:21 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1996, 1999 Andy Dougherty
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: man1dir.U,v $
?RCS: Revision 3.2  1999/07/08 20:57:21  doughera
?RCS: Used installprefix.
?RCS:
?RCS: Revision 3.1  1999/07/08 20:52:19  doughera
?RCS: Updated for perl5.005_5x
?RCS:
```

```
?RCS: Revision 3.0.1.1  1997/02/28  16:10:29  ram
?RCS: patch61: created
?RCS:
?X: This was originally specific to perl5.  Since perl5 has man pages that
?X: go in both man1/ and man3/ directories, we need both man1dir
?X: and
 man3dir.  This unit is basically dist's mansrc.U with
?X: man1 used instead of man everywhere.
?X:
?MAKE:man1dir man1direxp man1ext installman1dir: cat nroff Loc Oldconfig \
 spackage test Getfile Setprefixvar Prefixit Prefixup sysman Myread \
 prefixexp
?MAKE: -pick add $@ %<
?Y:TOP
?D:man1dir=''
?S:man1dir:
?S: This variable contains the name of the directory in which manual
?S: source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?D:man1direxp=''
?S:man1direxp:
?S: This variable is the same as the man1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installman1dir=''
?S:installman1dir:
?S: This variable is really the same as man1direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man1direxp only points to the read-only access location.
 For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:man1ext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '1'.  The Makefile must supply the '.'.
?S: See man1dir.
?S:.
?T:lookpath
?LINT:change prefixvar
?LINT:set man1direxp
: determine where manual pages go
set man1dir man1dir none
eval $prefixit
$cat <<EOM

$spackage has manual pages available in source form.
```

```
EOM
case "$nroff" in
nroff)
 echo "However, you don't have nroff, so they're probably useless to you."
 case "$man1dir" in
 ") man1dir="none";;
 esac;;
esac
echo "If you don't want the manual sources installed, answer 'none'."
case "$man1dir" in
' ') dflt=none
 ;;
")
 lookpath="$prefixexp/share/man/man1"
 lookpath="$lookpath $prefixexp/man/man1 $prefixexp/man/l_man/man1"
 lookpath="$lookpath $prefixexp/man/p_man/man1"
 lookpath="$lookpath $prefixexp/man/u_man/man1"
 lookpath="$lookpath $prefixexp/man/man.1"
?X: Experience has shown people
 expect man1dir to be under prefix,
?X: so we now always put it there.  Users who want other behavior
?X: can answer interactively or use a command line option.
?X: Does user have System V-style man paths.
 case "$sysman" in
 */?_man*) dflt=`./loc . $prefixexp/l_man/man1 $lookpath` ;;
 *) dflt=`./loc . $prefixexp/man/man1 $lookpath` ;;
 esac
 set dflt
 eval $prefixup
 ;;
*)  dflt="$man1dir"
 ;;
esac
echo " "
fn=dn+~
rp="Where do the main $spackage manual pages (source) go?"
. ./getfile
if $test "X$man1direxp" != "X$ansexp"; then
 installman1dir="
fi
prefixvar=man1dir
. ./setprefixvar

case "$man1dir" in
") man1dir=' '
 installman1dir=";;
esac
```

```
: What suffix to use on installed man pages

case "$man1dir" in
' ')
 man1ext='0'
 ;;
*)
 rp="What suffix should be used for the main $spackage man pages?"
 case "$man1ext" in
 ") case "$man1dir" in
  *1)  dflt=1 ;;
  *1p) dflt=1p ;;
  *1pm) dflt=1pm ;;
  *l) dflt=l;;
  *n) dflt=n;;
  *o) dflt=o;;
  *p) dflt=p;;
  *C) dflt=C;;
  *L) dflt=L;;
  *L1)
 dflt=L1;;
  *) dflt=1;;
  esac
  ;;
 *) dflt="$man1ext";;
 esac
 . ./myread
 man1ext="$ans"
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/man1dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: Copyright (c) 2016 Dagfinn Ilmari Mannsker & H.Merijn Brand
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?X:
?X: This unit produces a variable that is intended to be eval'ed in
?X: order to define/undefine a symbol. A consistency check is made
?X: regarding any previous value and a warning is issued if there
?X: is any discrepancy.
?X:
?X: To use it, say:
```

```
?X: set d_siginfo_si_errno siginfo_t int si_errno $d_sigaction signal.h
?X: eval $hasfield_t;
?X:
?MAKE:Hasfield_t: test Compile rm_try Setvar
?MAKE: -pick add $@ %<
?LINT:define hasfield_t
?S:hasfield_t:
?S: Internal macro for Configure
?S:.
?V:hasfield_t:
?T:varname struct type field
: Define hasfield_t macro for Configure internal use
hasfield_t='varname=$1; struct=$2; type=$3; field=$4; shift; shift; shift; shift;
while $test $# -ge 2; do
   case
 "$1" in
 $define) echo "#include <$2>";;
   esac ;
   shift 2;
done > try.c;
echo "int main () { $struct foo; $type bar = foo.$field; }" >> try.c;
set try;
if eval $compile; then
 val="$define";
else
 val="$undef";
fi;
set $varname;
eval $setvar;
$rm_try'
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/Hasfield_t.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Warn_v7EXT.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Warn_v7EXT.U,v $
?RCS: Revision 3.0.1.1  1994/10/29  16:01:42  ram
```

```
?RCS: patch36: call ./v7 explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:17  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit issues warnings to V7 sites that they are living dangerously.
?X: This unit needs to get mentioned in End.U to get included.
?X:
?MAKE:Warn_v7EXT: package Guess
?MAKE: -pick add $@ %<
: Warnings
if ./v7;
 then
 cat <<EOM

NOTE: the V7 compiler may ignore some #undefs that $package uses.  If so,
you may get messages about redefining EXT.  Some V7 compilers also have
difficulties with #defines near buffer boundaries, so beware.  You may have
to play with the spacing in some .h files, believe it or not.
EOM
fi
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Warn_v7EXT.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extract.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  14:58:52  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  15:51:46  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:52  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
```

```
?X:
?X: This unit produces a shell script which can be doted in order to extract
?X: .SH files with variable substitutions.
?X:
?X: When running Configure from a remote directory ($src
 is not '.'),
?X: then the files will be created in that directory, so beware!
?X:
?MAKE:Extract: Mkdirp src
?MAKE: -pick add $@ %<
?F:./extract
?T:CONFIG SRC dir file
: script used to extract .SH files with variable substitutions
cat >extract <<EOS
CONFIG=true
SRC="$src"
EOS
cat >>extract <<'EOS'
echo "Doing variable substitutions on .SH files..."
if test -f "$SRC/MANIFEST"; then
 set x `awk '{print $1}' <$SRC/MANIFEST | grep '\.SH'`
else
 echo "(Looking for .SH files under the source directory.)"
 set x `(cd "$SRC"; find . -name "*.SH" -print)`
fi
shift
case $# in
0) set x `(cd "$SRC"; echo *.SH)`; shift;;
esac
if test ! -f "$SRC/$1"; then
 shift
fi
for file in $*; do
 case "$SRC" in
 ".")
  case "$file" in
  */*)
   dir=`expr X$file : 'X\(.*\)/'`
   file=`expr X$file : 'X.*/\(.*\)'`
   (cd $dir && . ./$file)
   ;;
  *)
   . ./$file
   ;;
  esac
  ;;
 *)
?X:
```

```
?X: When running Configure remotely ($src is not '.'), we cannot source
?X: the files directly, since that would wrongly cause
 the extraction
?X: where the source lie instead of withing the current directory. Therefore,
?X: we need to 'sh <file' then, which is okay since they will source the
?X: existing config.sh file. It's not possible to use:
?X:  ../src/Configure -S -O -Dsomething
?X: unfortunately since no new config.sh with the -Dsomething override
?X: will be created before running the .SH files. A minor buglet.
?X:
?X: Note that we must create the directory hierarchy ourselves if it does
?X: not exist already, and that is done through a shell emulation of the
?X: 'mkdir -p' command. We don't want to use the $installdir metaconfig
?X: symbol here since that would require too much to be configured for
?X: this simple extraction task that may happen quickly with 'Configure -S'.
?X:  -- RAM, 18/03/96
?X:
  case "$file" in
  */*)
   dir=`expr X$file : 'X\(.*\)/'`
   file=`expr X$file : 'X.*/\(.*\)'`
   ./mkdirp $dir
   sh <"$SRC/$dir/$file"
   ;;
  *)
   sh <"$SRC/$file"
   ;;
  esac
  ;;
 esac
done
if
 test -f "$SRC/config_h.SH"; then
 if test ! -f config.h; then
?X: oops, they left it out of MANIFEST, probably, so do it anyway.
  sh <"$SRC/config_h.SH"
 fi
fi
EOS
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Extract.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: html3dir.U,v $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
```

```
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: html3dir.U,v $
?RCS:
?MAKE:html3dir html3direxp installhtml3dir: cat sed Loc Myread \
 spackage test Getfile Setprefixvar Prefixit Prefixup html1dir
?MAKE: -pick add $@ %<
?Y:TOP
?D:html3dir="
?S:html3dir:
?S: This variable contains the name of the directory in which html
?S: source pages are to be put.  This directory is for pages
?S: that describe libraries or modules.  It is intended to
?S: correspond roughly to section 3 of the Unix manuals.
?S:.
?D:html3direxp="
?S:html3direxp:
?S: This variable
 is the same as the html3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installhtml3dir="
?S:installhtml3dir:
?S: This variable is really the same as html3direxp, unless you are
?S: using a different installprefix.  For extra portability, you
?S: should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set html3direxp
?LINT:set installhtml3dir
: determine where html pages for libraries and modules go
set html3dir html3dir none
eval $prefixit
$cat <<EOM

If you wish to install html files for modules associated with $spackage,
indicate the appropriate directory here.  To skip installing html files,
answer "none".
EOM
: There is no obvious default.  If they have specified html1dir, then
: try to key off that, possibly changing .../html1 into .../html3.
case "$html3dir" in
") html3dir=`echo "$html1dir" | $sed 's/1$/3$/'` ;;
```

```
*) dflt=$html3dir ;;
esac
fn=dn+~
rp="Directory for the $spackage module
 html pages?"
. ./getfile
prefixvar=html3dir
. ./setprefixvar
: Use ' ' for none so value is preserved next time through Configure
$test X"$html3dir" = "X" && html3dir=' '
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/html3dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: usenm.U,v 3.0.1.1 1997/02/28 16:26:40 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: usenm.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:26:40  ram
?RCS: patch61: don't use nm with the GNU C library
?RCS: patch61: added support for Linux shared libs
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:57  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:usenm runnm nm_opt nm_so_opt: cat test Myread Oldconfig myuname grep \
 nm d_gnulibc osname egrep rsrc
?MAKE: -pick add $@ %<
?S:usenm:
?S: This variable contains 'true' or 'false' depending
 whether the
?S: nm extraction is wanted or not.
?S:.
?S:runnm:
?S: This variable contains 'true' or 'false' depending whether the
?S: nm extraction should be performed or not, according to the value
?S: of usenm and the flags on the Configure command line.
?S:.
?S:nm_opt:
```

```
?S: This variable holds the options that may be necessary for nm.
?S:.
?S:nm_so_opt:
?S: This variable holds the options that may be necessary for nm
?S: to work on a shared library but that can not be used on an
?S: archive library.  Currently, this is only used by Linux, where
?S: nm --dynamic is *required* to get symbols from an ELF library which
?S: has been stripped, but nm --dynamic is *fatal* on an archive library.
?S: Maybe Linux should just always set usenm=false.
?S:.
: see if nm is to be used to determine whether a symbol is defined or not
?X: If there is enough inquiries, it might be worth to wait for the nm
?X: extraction. Otherwise, the C compilations might be a better deal.
?X:
?X: Don't bother if we're
 using GNU libc -- skimo
?LINT:extern PASE
case "$usenm" in
")
 dflt="
 case "$d_gnulibc" in
 "$define")
  echo " "
  echo "nm probably won't work on the GNU C Library." >&4
  dflt=n
  ;;
 esac
 case "$dflt" in
 ")
  if $test "$osname" = aix -a "X$PASE" != "Xdefine" -a ! -f /lib/syscalls.exp; then
   echo " "
   echo "Whoops!  This is an AIX system without /lib/syscalls.exp!" >&4
   echo "'nm' won't be sufficient on this system." >&4
   dflt=n
  fi
  ;;
 esac
 case "$dflt" in
 ") dflt=`$egrep 'inlibc|csym' $rsrc/Configure | wc -l 2>/dev/null`
  if $test $dflt -gt 20; then
   dflt=y
  else
   dflt=n
  fi
  ;;
 esac
 ;;
*)
```

```
 case "$usenm" in
 true|$define) dflt=y;;
 *) dflt=n;;
 esac
 ;;
esac
$cat <<EOM

I can use $nm to extract the symbols from your C libraries. This
is a time consuming task which may generate huge output on the disk (up
to 3 megabytes) but that should make the symbols extraction faster. The
alternative is to skip the 'nm' extraction part and to compile a small
test
 program instead to determine whether each symbol is present. If
you have a fast C compiler and/or if your 'nm' output cannot be parsed,
this may be the best solution.

You probably shouldn't let me use 'nm' if you are using the GNU C Library.

EOM
rp="Shall I use $nm to extract C symbols from the libraries?"
. ./myread
case "$ans" in
[Nn]*) usenm=false;;
*) usenm=true;;
esac

?X: Name extraction is to be run if 'nm' usage is wanted and if no -r flag
?X: was provided to configure (in which case we simply re-use the previous
?X: values).
runnm=$usenm
case "$reuseval" in
true) runnm=false;;
esac

: nm options which may be necessary
case "$nm_opt" in
") if $test -f /mach_boot; then
  nm_opt=" # Mach
 elif $test -d /usr/ccs/lib; then
  nm_opt='-p' # Solaris (and SunOS?)
 elif $test -f /dgux; then
  nm_opt='-p' # DG-UX
 elif $test -f /lib64/rld; then
  nm_opt='-p' # 64-bit Irix
 else
  nm_opt="
 fi;;
```

```
esac

: nm options which may be necessary for shared libraries but illegal
: for archive
 libraries.  Thank you, Linux.
case "$nm_so_opt" in
") case "$myuname" in
 *linux*|gnu*)
  if $nm --help | $grep 'dynamic' > /dev/null 2>&1; then
   nm_so_opt='--dynamic'
  fi
  ;;
 esac
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/usenm.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Extract.U,v 3.0.1.2 1997/02/28 14:58:52 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Extract.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  14:58:52  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  15:51:46  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:52  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a shell script which can be doted in order to extract
?X: .SH files with variable substitutions.
?X:
?X: When running
 Configure from a remote directory ($src is not '.'),
?X: then the files will be created in that directory, so beware!
```

```
?X:
?MAKE:Extract: src
?MAKE: -pick add $@ %<
?F:./extract
?T:PERL_CONFIG_SH dir file name create mkdir_p
: script used to extract .SH files with variable substitutions
cat >extract <<'EOS'
PERL_CONFIG_SH=true
echo "Doing variable substitutions on .SH files..."
if test -f MANIFEST; then
 set x `awk '{print $1}' < MANIFEST | grep '\.SH$'`
else
 echo "(Looking for .SH files under the source directory.)"
 set x `(cd "$src"; find . -name "*.SH" -print)`
fi
shift
case $# in
0) set x `(cd "$src"; echo *.SH)`; shift;;
esac
if test ! -f "$src/$1"; then
 shift
fi
?X: script to emulate mkdir -p
mkdir_p='
name=$1;
create="";
while test $name; do
 if test ! -d "$name"; then
  create="$name $create";
  name=`echo $name | sed -e "s|^[^/]*$||"`;
  name=`echo $name | sed -e "s|\(.*\)/.*|\1|"`;
 else
  name="";
 fi;
done;
for file in $create; do
 mkdir $file;
done
'
for file in $*;
 do
 case "$src" in
 ".")
  case "$file" in
  */*)
   dir=`expr X$file : 'X\(.*\)/'`
   file=`expr X$file : 'X.*/\(.*\)'`
   (cd "$dir" && . ./$file)
```

```
   ;;
  *)
   . ./$file
   ;;
  esac
  ;;
 *)
?X:
?X: When running Configure remotely ($src is not '.'), we cannot source
?X: the files directly, since that would wrongly cause the extraction
?X: where the source lie instead of withing the current directory. Therefore,
?X: we need to 'sh <file' then, which is okay since they will source the
?X: existing config.sh file. It's not possible to use:
?X:  ../src/Configure -S -O -Dsomething
?X: unfortunately since no new config.sh with the -Dsomething override
?X: will be created before running the .SH files. A minor buglet.
?X:
?X: Note that we must create the directory hierarchy ourselves if it does
?X: not exist already, and that is done through a shell emulation of the
?X: 'mkdir -p' command. We don't want to use the $installdir metaconfig
?X: symbol here since that would require too much to
 be configured for
?X: this simple extraction task that may happen quickly with 'Configure -S'.
?X:  -- RAM, 18/03/96
?X:
  case "$file" in
  */*)
   dir=`expr X$file : 'X\(.*\)/'`
   file=`expr X$file : 'X.*/\(.*\)'`
   (set x $dir; shift; eval $mkdir_p)
   sh <"$src/$dir/$file"
   ;;
  *)
   sh <"$src/$file"
   ;;
  esac
  ;;
 esac
done
if test -f "$src/config_h.SH"; then
 if test ! -f config.h; then
 : oops, they left it out of MANIFEST, probably, so do it anyway.
 . "$src/config_h.SH"
 fi
fi
EOS
```

Found in path(s):

* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Extract.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: so.U,v $
?RCS: Revision 3.0.1.2  1994/10/29  16:30:04  ram
?RCS: patch36: now tells user how he can suppress shared lib lookup (ADO)
?RCS: patch36: removed echo at the top, since it's now in the here-doc (ADO)
?RCS:
?RCS: Revision 3.0.1.1  1994/06/20  07:07:02  ram
?RCS: patch30: created
?RCS:
?X:
?X: This unit computes the shared-object / shared-lib extension
?X:
?MAKE:so: test libpth Loc Myread Oldconfig cat
?MAKE: -pick add $@ %<
?S:so:
?S: This variable holds the extension used to identify
 shared libraries
?S: (also known as shared objects) on the system. Usually set to 'so'.
?S:.
?T: xxx
: compute shared library extension
case "$so" in
")
 if xxx=`./loc libc.sl X $libpth`; $test -f "$xxx"; then
  dflt='sl'
 else
  dflt='so'
 fi
 ;;
*) dflt="$so";;
esac
$cat <<EOM

On some systems, shared libraries may be available.  Answer 'none' if
you want to suppress searching of shared libraries for the remainder
```

```
of this configuration.

EOM
rp='What is the file extension used for shared libraries?'
. ./myread
so="$ans"
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/so.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: cf_name.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: cf_name.U,v $
?RCS: Revision 3.0.1.2  1994/05/06  14:29:36  ram
?RCS: patch23: fixed user name computation from /etc/passwd in bsd systems
?RCS:
?RCS: Revision 3.0.1.1  1994/01/24  14:05:11  ram
?RCS: patch16: created
?RCS:
?RCS:
?MAKE:+cf_name: cf_by passcat Filexp nametype cat test
?MAKE: -pick add $@ %<
?S:cf_name:
?S: Full name of the person who ran the Configure script and
 answered the
?S: questions. This can be used by units that require the user's full name.
?S: This variable is for internal use only.
?S:.
?T:xxx fn NAME
: figure out their full name
case "$NAME" in
") case "$nametype" in
 other)
  fn=`./filexp ~/.fullname`
  xxx=usg
  $test -f $fn && xxx=other
```

```
  ;;
 *)
  xxx="$nametype"
  ;;
 esac

 case "$xxx" in
 bsd)
  cf_name=`$passcat | grep "^$cf_by:" | \
   sed -e 's/^[^:]*:[^:]*:[^:]*:[^:]*:\([^:]*\):.*/\1/' \
   -e 's/,.*//'`
  ;;
   usg)
  cf_name=`$passcat | grep "^$cf_by:" | \
   sed -e 's/^[^:]*:[^:]*:[^:]*:[^:]*:\([^:]*\):.*/\1/' \
   -e 's/[^-]*-\(.*\)(.*)/\1/'`
  ;;
 *)
  cf_name=`$cat $fn`
  ;;
 esac
 ;;
*)
 cf_name="$NAME"
 ;;
esac
?X:
?X: In the original unit, Graham asked for the user name, in case the above
?X: code was unable to figure it out correctly. Since now cf_name has been
?X: made an internal variable only (i.e. it is not saved in config.sh), letting
?X: the user override the computed default each time would be a pain.
?X:
 Therefore, I have decided to trust the above code to get it right, and for
?X: those rare cases where it will fail, too bad :-) --RAM.
?X:
echo " "
echo "Pleased to meet you, $cf_name."
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/cf_name.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorhtml3dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999, Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: vendorhtml3dir.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:vendorhtml3dir vendorhtml3direxp installvendorhtml3dir: html3dir Getfile \
 Oldconfig Setprefixvar Prefixit test vendorprefix prefix sed
?MAKE: -pick add $@ %<
?Y:TOP
?S:vendorhtml3dir:
?S: This variable contains the name of the directory for html
?S: library pages.  It may have a ~ on the front.
?S: The standard distribution will put nothing
 in this directory.
?S: Vendors who distribute perl may wish to place their own
?S: html pages for modules and extensions in this directory with
?S:  MakeMaker Makefile.PL INSTALLDIRS=vendor
?S: or equivalent.  See INSTALL for details.
?S:.
?S:vendorhtml3direxp:
?S: This variable is the ~name expanded version of vendorhtml3dir, so that you
?S: may use it directly in Makefiles or shell scripts.
?S:.
?D:installvendorhtml3dir="
?S:installvendorhtml3dir:
?S: This variable is really the same as vendorhtml3direxp but may differ on
?S: those systems using AFS. For extra portability, only this variable
?S: should be used in makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installvendorhtml3dir
: Set the vendorhtml3dir variables
case "$vendorprefix" in
") vendorhtml3dir="
 vendorhtml3direxp="
 ;;
*) : determine where vendor-supplied module html pages go.
 : There is no standard location, so try to copy the previously-selected
 : directory structure for the core html pages.
 : XXX Better default
 suggestions would be welcome.
 case "$vendorhtml3dir" in
 ") dflt=`echo "$html3dir" | $sed "s#^$prefix#$vendorprefix#"` ;;
 *) dflt=$vendorhtml3dir ;;
```

```
 esac
 case "$dflt" in
 "|' ') dflt=none ;;
 esac
 fn=dn+~
 rp='Pathname for the vendor-supplied html pages?'
 . ./getfile
 vendorhtml3dir="$ans"
 vendorhtml3direxp="$ansexp"
 ;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorhtml3dir" = "X" && vendorhtml3dir=' '
prefixvar=vendorhtml3dir
. ./installprefix
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorhtml3dir.U
No license file was found, but licenses were detected in source scan.

```
/*|?:[\/]*)
if test -f "$xxx"; then
: ok
else
echo "WARNING: no $xxx -- ignoring your setting for $file." >&4
xxx=`./loc $file $file $pth`
fi
;;
") xxx=`./loc $file $file $pth`;;
*) xxx=`./loc $xxx $xxx $pth`;;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\/]*)
echo $file is in $xxx.
;;
*)
echo "I don't know where '$file' is, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac
```

```
done
echo " "
echo "Don't worry if any of the following aren't found..."
say=offhand
for file in $trylist; do
?X: Allow them to -Dmake=pmake on the command line for instance (see above)
eval xxx=\$$file
case "$xxx" in
/*|?:[\/]*)
if test -f "$xxx"; then
: ok
else
echo "WARNING: no $xxx -- ignoring your setting for $file." >&4
xxx=`./loc $file $file $pth`
fi
;;
") xxx=`./loc $file $file $pth`;;
*)
 xxx=`./loc $xxx $xxx $pth`;;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\/]*)
echo $file is in $xxx.
;;
*)
echo "I don't see $file out there, $say."
say=either
;;
esac
done
case "$egrep" in
egrep)
echo "Substituting grep for egrep."
egrep=$grep
_egrep=$grep
;;
esac
@if less
case "$less" in
") ;;
*) if $less -R </dev/null >/dev/null 2>&1; then
echo "Substituting less -R for less."
```

```
less="$less -R"
_less=$less
fi
;;
esac
@end
@if ln
case "$ln" in
ln)
echo "Substituting cp for ln."
ln=$cp
_ln=$cp
;;
esac
@end
@if make || gmake
case "$make" in
make)
case "$gmake" in
gmake)
echo "I can't find make or gmake, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac
;;
esac
case "$gmake" in
gmake) ;;
*) # We can't have osname yet.
if test -f "/system/gnu_library/bin/ar.pm"; then # Stratus VOS
# Assume that gmake, if found, is definitely
 GNU make
# and prefer it over the system make.
echo "Substituting gmake for make."
make=$gmake
_make=$gmake
fi
;;
esac
@end
case "$test" in
test)
echo "Hopefully test is built into your sh."
;;
*)
if `sh -c "PATH= test true" >/dev/null 2>&1`; then
echo "Using the test built into your sh."
```

```
?X:
?X: We need to set both test and _test, since Oldconfig.U will use the _test
?X: value to systematically restore computed paths, which may be wrong if
?X: we choose to load an old config.sh generated on another platform.
?X:
test=test
_test=test
fi
;;
esac
?LINT:change n c
case "$echo" in
echo)
echo "Hopefully echo is built into your sh."
;;
?X: For those rare cases where we don't need $echo...
") ;;
*)
echo " "
echo "Checking compatibility between $echo and builtin echo (if any)..." >&4
$echo $n "hi there$c" >foo1
echo $n "hi there$c" >foo2
if cmp foo1 foo2 >/dev/null 2>&1; then
echo "They are compatible.  In fact, they may be identical."
else
case "$n" in
'-n') n=" c='\c';;
*) n='-n' c=";;
esac
cat
 <<FOO
They are not compatible!  You are probably running ksh on a non-USG system.
I'll have to use $echo instead of the builtin, since Bourne shell doesn't
have echo built in and we may have to run some Bourne shell scripts.  That
means I'll have to use '$n$c' to suppress newlines now.  Life is ridiculous.

FOO
$echo $n "The star should be here-->$c"
$echo "*"
fi
$rm -f foo1 foo2
;;
esac

?X: The next part is irrelevant to the real process
# This question was auctioned at YAPC::Europe-2007 in Vienna
# I never promised you could answer it. I only auctioned the question.
cat <<FOO
```

The following message is sponsored by

Dresden.pm<--The stars should be here.

Dear Perl user, system administrator or package
maintainer, the Perl community sends greetings to
you. Do you (emblematical) greet back [Y/n]? n

FOO

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Loc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Filexp.U,v $
?RCS: Revision 3.0.1.2  1994/10/29  15:52:53  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS: patch36: added HOME to the ?T: line since metalint now checks ${HOME}
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  14:03:00  ram
?RCS: patch23: made sure error status from csh is propagated (WED)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:53  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a shell script which will expand filenames beginning
?X:
 with tildes.  The script is deleted at the end of Configure.
?X:
?MAKE:Filexp: startsh sed test expr eunicefix
?MAKE: -pick add $@ %<
?F:./filexp
?T:HOME LOGDIR dir me name failed
: set up shell script to do ~ expansion
cat >filexp <<EOSS
$startsh
```

```
: expand filename
?X:
?X: The case entries below escape the ~ as some shells have shown expansion
?X: of the ~ during here-doc processing.
?X:
case "\$1" in
\~/*|\~)
 echo \$1 | $sed "s|~|\${HOME-\$LOGDIR}|"
 ;;
\~*)
 if $test -f /bin/csh; then
  /bin/csh -f -c "glob \$1"
  failed=\$?
  echo ""
  exit \$failed
 else
  name=\`$expr x\$1 : '..\([^/]*\)'\`
  dir=\`$sed -n -e "/^\${name}:/{s/^[^:]*:[^:]*:[^:]*:[^:]*:[^:]*:\([^:]*\).*'"\$'"/\1/" -e p -e q -e '}' </etc/passwd\`
  if $test ! -d "\$dir"; then
   me=\`basename \$0\`
   echo "\$me: can't locate home directory for: \$name" >&2
   exit 1
  fi
  case "\$1" in
  */*)
   echo \$dir/\`$expr x\$1 : '..[^/]*/\(.*\)'\`
   ;;
  *)
   echo \$dir
   ;;
  esac
 fi
 ;;
*)
 echo \$1
 ;;
esac
EOSS
chmod
 +x filexp
$eunicefix filexp
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Filexp.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: so.U 1 2006-08-24 12:32:52Z rmanfredi $

```
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: so.U,v $
?RCS: Revision 3.0.1.2  1994/10/29  16:30:04  ram
?RCS: patch36: now tells user how he can suppress shared lib lookup (ADO)
?RCS: patch36: removed echo at the top, since it's now in the here-doc (ADO)
?RCS:
?RCS: Revision 3.0.1.1  1994/06/20  07:07:02  ram
?RCS: patch30: created
?RCS:
?X:
?X: This unit computes the shared-object / shared-lib extension
?X:
?MAKE:so d_libname_unique: test libpth Loc Myread Oldconfig cat Setvar
?MAKE: -pick add $@ %<
?S:so:
?S: This
 variable holds the extension used to identify shared libraries
?S: (also known as shared objects) on the system. Usually set to 'so'.
?S:.
?S:d_libname_unique:
?S: This variable is defined if the target system insists on unique
?S: basenames for shared library files. This is currently true on Android,
?S: false everywhere else we know of.
?S: Defaults to 'undef'.
?S:.
?LINT:set d_libname_unique
?T: xxx
: compute shared library extension
case "$so" in
")
 if xxx=`./loc libc.sl X $libpth`; $test -f "$xxx"; then
  dflt='sl'
 else
  dflt='so'
 fi
 ;;
*) dflt="$so";;
esac
$cat <<EOM
```

```
On some systems, shared libraries may be available.  Answer 'none' if
you want to suppress searching of shared libraries for the remainder
of this configuration.

EOM
rp='What is the file extension used for shared libraries?'
. ./myread
so="$ans"

: Does target system insist that shared library basenames are unique
$cat << EOM

Some dynamic loaders assume that the *basename* of shared library
 filenames
are globally unique.  We'll default this to undef as we assume your system
is not this weird. Set to defined if you're on one of them.

EOM

dflt='n'
rp='Make shared library basenames unique?'
. ./myread
case "$ans" in
y|Y) val="$define" ;;
*)   val="$undef"  ;;
esac
set d_libname_unique
eval $setvar

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/U/modified/so.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: Hasproto.U $
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?X: This unit generates a $hasproto string that is used internally
?X: by Configure to check if this system has a prototype for a
?X: particular function
?X:
?X: To use it, say something like:
?X:  set d_getnetent_proto getnetent $i_netdb netdb.h
?X:  eval $hasproto
```

```
?X: Or, for more complicated sets of headers, do something like
?X: hdrs="$define sys/types.h
?X:  $i_systime sys/time.h
?X:  $i_sysselct sys/select.h
?X:  $i_netdb netdb.h"
?X: set d_getnetent_proto getnetent $hdrs
?X: eval $hasproto
?X:
?X: There is also an 'escape' hatch built in.  If you have a pair
?X: of args   'literal 'stuff' then 'stuff' gets included literally
?X: into the test program.  See Protochk.U for more details.
?X:
?MAKE:Hasproto:
 Setvar cppstdin cppflags cppminus contains rm_try test
?MAKE: -pick add $@ %<
?T:func varname
?F:!try.c
?V:hasproto
: Define hasproto macro for Configure internal use
hasproto='varname=$1; func=$2; shift; shift;
while $test $# -ge 2; do
 case "$1" in
 $define) echo "#include <$2>";;
 literal) echo "$2" ;;
 esac ;
   shift 2;
done > try.c;
$cppstdin $cppflags $cppminus < try.c > tryout.c 2>/dev/null;
if $contains "$func.*(" tryout.c >/dev/null 2>&1; then
 echo "$func() prototype found.";
 val="$define";
else
 echo "$func() prototype NOT found.";
 val="$undef";
fi;
set $varname;
eval $setvar;
$rm_try tryout.c'
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/protos/Hasproto.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorhtml1dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999, Andy Dougherty
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: vendorhtml1dir.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:vendorhtml1dir vendorhtml1direxp installvendorhtml1dir: html1dir Getfile \
 Setprefixvar Oldconfig Prefixit test vendorprefix prefix sed
?MAKE: -pick add $@ %<
?Y:TOP
?S:vendorhtml1dir:
?S: This variable contains the name of the directory for html
?S: pages.  It may have a ~ on the front.
?S: The standard distribution will put nothing in this
 directory.
?S: Vendors who distribute perl may wish to place their own
?S: html pages in this directory with
?S:  MakeMaker Makefile.PL INSTALLDIRS=vendor
?S: or equivalent.  See INSTALL for details.
?S:.
?S:vendorhtml1direxp:
?S: This variable is the ~name expanded version of vendorhtml1dir, so that you
?S: may use it directly in Makefiles or shell scripts.
?S:.
?D:installvendorhtml1dir=''
?S:installvendorhtml1dir:
?S: This variable is really the same as vendorhtml1direxp but may differ on
?S: those systems using AFS. For extra portability, only this variable
?S: should be used in makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installvendorhtml1dir
: Set the vendorhtml1dir variables
case "$vendorprefix" in
'') vendorhtml1dir=''
 vendorhtml1direxp=''
 ;;
*) : determine where vendor-supplied html pages go.
 : There is no standard location, so try to copy the previously-selected
 : directory structure for the core html pages.
 : XXX Better default suggestions would be welcome.
 case "$vendorhtml1dir"
 in
 '') dflt=`echo "$html1dir" | $sed "s#^$prefix#$vendorprefix#"` ;;
```

```
 *) dflt=$vendorhtml1dir ;;
 esac
 case "$dflt" in
 "|' ') dflt=none ;;
 esac
 fn=dn+~
 rp='Pathname for the vendor-supplied html pages?'
 . ./getfile
 vendorhtml1dir="$ans"
 vendorhtml1direxp="$ansexp"
 ;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorhtml1dir" = "X" && vendorhtml1dir=' '
prefixvar=vendorhtml1dir
. ./installprefix
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorhtml1dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Chk_whoami.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Chk_whoami.U,v $
?RCS: Revision 3.0  1993/08/18  12:04:46  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit makes sure we don't try to include whoami.h if uname() exists.
?X:
?MAKE:Chk_whoami: d_uname i_whoami
?MAKE: -pick add $@ %<
?LINT:change i_whoami
: weed out incompatibilities
case "$d_uname" in
 "$define") i_whoami="$undef" ;;
esac
```

Found in path(s):

* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Chk_whoami.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: rcs_branch.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: rcs_branch.U,v $
?RCS: Revision 3.0  1993/08/18  12:09:40  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:rcs_branch: Myread contains Loc
?MAKE: -pick add $@ %<
?S:rcs_branch:
?S: This variable will hold "true" if rcs can take the -b<revision>
?S: option, which can make Life Easier on those folks who like to run
?S: rcsdiff manually.
?S:.
?T:xxx
: Tra la la la la
echo " "
echo "Checking to see if RCS understands the -b switch..." >&4
xxx=`./loc
 rcs " $pth`
case "$xxx" in
")
 rcs_branch=false
 echo "Oh.  You don't seem to have RCS here."
 ;;
*)
 rcs > rcsbranch.out 2>&1
 if $contains 'b\[rev\]' rcsbranch.out  >/dev/null 2>&1 ; then
  rcs_branch=true
  echo "Nice!  Your RCS is spiffy!"
 else
  rcs_branch=false
 echo "Well, at least you have RCS.  You know, a newer version is available."
 fi
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/rcs_branch.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libnm.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libnm.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:08:26  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:01  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libnm: test Loc libpth _a
?MAKE: -pick add $@ %<
?S:libnm:
?S: This variable contains the argument to pass to the loader in order
?S: to get the new math library routines.  If there is no new math
?S: library, it is null.
?S:.
?T:ans
?O:
 use libswanted='-lnm' instead (see libs.U).
: see if we should include -lnm
echo " "
if $test -r /usr/lib/libnm$_a || $test -r /usr/local/lib/libnm$_a ; then
 echo "New math library found." >&4
 libnm='-lnm'
else
 ans=`./loc libnm$_a x $libpth`
 case "$ans" in
 x)
  echo "No nm library found--the normal math library will have to do." >&4
  libnm=''
  ;;
 *)
  echo "New math library found in $ans." >&4
  libnm="$ans"
  ;;
```

```
 esac
fi
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libnm.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:siteman1dir siteman1direxp installsiteman1dir: Getfile \
 Setprefixvar prefix siteprefix man1dir sed
?MAKE: -pick add $@ %<
?Y:TOP
?D:siteman1dir=''
?S:siteman1dir:
?S: This variable contains the name of the directory in which site-specific
?S: manual source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S: The standard distribution will put nothing in this directory.
?S: After perl
 has been installed, users may install their own local
?S: man1 pages in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:siteman1direxp=''
?S:siteman1direxp:
?S: This variable is the same as the siteman1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installsiteman1dir=''
?S:installsiteman1dir:
?S: This variable is really the same as siteman1direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man1direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
```

```
?LINT:set installsiteman1dir
?LINT:set siteman1dir
?LINT:set siteman1direxp
: determine where add-on manual pages go
case "$siteman1dir" in
") dflt=`echo $man1dir | $sed "s#^$prefix#$siteprefix#"` ;;
*) dflt=$siteman1dir ;;
esac
case "$dflt" in
"|' ') dflt=none ;;
esac
fn=dn+~
rp='Pathname
 where the site-specific manual pages should be installed?'
. ./getfile
prefixvar=siteman1dir
. ./setprefixvar

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/siteman1dir.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: cc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: cc.U,v $
?RCS: Revision 3.0.1.4  1995/05/12  12:06:47  ram
?RCS: patch54: may now abort Configure when cc does not work
?RCS:
?RCS: Revision 3.0.1.3  1995/01/11  15:20:11  ram
?RCS: patch45: changed gcc checking message to a more explicit one (WED)
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  16:04:29  ram
?RCS: patch36: detect gcc even when not called as 'gcc' (ADO)
?RCS: patch36: simplified gcc version checking (ADO)
?RCS: patch36: added ?F: line for metalint
 file checking
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  14:26:06  ram
?RCS: patch23: added support for gcc version (ADO)
```

```
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:30  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:cc: Myread Oldconfig Checkcc test
?MAKE: -pick add $@ %<
?S:cc:
?S: This variable holds the name of a command to execute a C compiler which
?S: can resolve multiple global references that happen to have the same
?S: name.  Usual values are 'cc' and 'gcc'.
?S: Fervent ANSI compilers may be called 'c89'.  AIX has xlc.
?S:.
?F:!cc.cbu
?D:cc='cc'
: Determine the C compiler to be used
echo " "
case "$cc" in
") dflt=cc;;
*) dflt="$cc";;
esac
rp="Use which C compiler?"
. ./myread
cc="$ans"

: See whether they have no cc but they do have gcc
. ./trygcc
?X: Look for a hint-file generated 'call-back-unit'.  Now that the
?X: user has specified the compiler, we may need to set or change some
?X: other defaults.
if $test -f cc.cbu; then
   . ./cc.cbu
fi
. ./checkcc
```

Found
 in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/cc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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```

```
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Copyright (c) 2000, Jarkko Hietaniemi
?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in order
?X: to make quick check on whether the current C compiler is working.
?X:
?MAKE:Checkcc ccname ccversion: Myread Warn startsh cat contains test
?MAKE: -pick add $@ %<
?S:ccname:
?S: This can set either by hints files or by Configure.  If using
?S: gcc, this is gcc, and if not, usually equal to cc, unimpressive, no?
?S: Some platforms, however, make good use of this by storing the
?S: flavor
 of the C compiler being used here.  For example if using
?S: the Sun WorkShop suite, ccname will be 'workshop'.
?S:.
?S:ccversion:
?S: This can set either by hints files or by Configure.  If using
?S: a (non-gcc) vendor cc, this variable may contain a version for
?S: the compiler.
?S:.
?F:./checkcc ./trygcc !checktmp
?V:despair
?T:trygcc
?LINT:extern cc rm ccflags ldflags
?LINT:change cc ccflags
?LINT:usefile checktmp
?INIT:ccname=''
?INIT:ccversion=''
: generate the trygcc script for later perusal
cat <<EOS >trygcc
$startsh
EOS
cat <<'EOSC' >>trygcc
case "$cc" in
'') ;;
*)  $rm -f try try.*
   $cat >try.c <<EOM
int main(int argc, char *argv[]) {
 (void) argc;
 (void) argv;
 return 0;
}
EOM
   if $cc -o try $ccflags $ldflags try.c; then
      :
```

```
  else
    echo "Uh-oh, the C compiler '$cc' doesn't seem to be working." >&4
    despair=yes
    trygcc=yes
    case "$cc" in
    *gcc*) trygcc=no ;;
    esac
    case "`$cc -v -c try.c 2>&1`" in

    *gcc*) trygcc=no ;;
    esac
    if $test X"$trygcc" = Xyes; then
      if gcc -o try -c try.c; then
        echo " "
        echo "You seem to have a working gcc, though." >&4
        rp="Would you like to use it?"
        dflt=y
        if $test -f myread; then
          . ./myread
        else
          if $test -f UU/myread; then
            . ./UU/myread
          else
            echo "Cannot find myread, sorry.  Aborting." >&2
            exit 1
          fi
        fi
        case "$ans" in
        [yY]*) cc=gcc; ccname=gcc; ccflags=''; despair=no;
?X: Look whether we have 'call-back units' generated by hints that would
?X: seemingly affect the compiling environment.
            $cat *.cbu >checktmp 2>/dev/null
            if $contains ccflags checktmp >/dev/null; then

    ./warn <<EOM
Any previous setting of the C compiler flags has been lost.
It may be necessary to pass -Dcc=gcc to Configure right away.
EOM
            fi;;
        esac
      fi
    fi
  fi
  $rm -f try try.*
  ;;
esac
EOSC
```

```
: generate the checkcc script for later perusal
cat <<EOS >checkcc
$startsh
EOS
cat <<'EOSC' >>checkcc
case "$cc" in
") ;;
*)  $rm -f try try.*
   $cat >try.c <<EOM
int main(int argc, char *argv[]) {
 (void) argc;
 (void) argv;
 return 0;
}
EOM
   if $cc -o try $ccflags $ldflags try.c; then
      :
   else
      if $test X"$despair" = Xyes; then
         echo "Uh-oh, the C compiler '$cc' doesn't seem to be working." >&4
      fi
      $cat >&4 <<EOM
You need to find a working C compiler.
Either (purchase and) install the C compiler supplied by your OS vendor,
or for a free C compiler try http://gcc.gnu.org/
I cannot continue any further, aborting.
EOM
      exit 1
   fi

 $rm -f try try.*
   ;;
esac
EOSC
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Checkcc.U
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```
?RCS: $Id: sitebin.U,v $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
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```

```
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: sitebin.U,v $
?RCS:
?MAKE:sitebin sitebinexp installsitebin : Getfile Oldconfig \
 Setprefixvar siteprefix
?MAKE: -pick add $@ %<
?Y:TOP
?D:sitebin=''
?S:sitebin:
?S: This variable holds the name of the directory in which the user wants
?S: to put add-on publicly executable files for the package in question.  It
?S: is most often a local directory such as /usr/local/bin. Programs using
?S: this variable must be prepared to deal with ~name substitution.
?S: The standard distribution will put nothing
 in this directory.
?S: After perl has been installed, users may install their own local
?S: executables in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:sitebinexp=''
?S:sitebinexp:
?S: This is the same as the sitebin variable, but is filename expanded at
?S: configuration time, for use in your makefiles.
?S:.
?D:installsitebin=''
?S:installsitebin:
?S: This variable is usually the same as sitebinexp, unless you are on
?S: a system running AFS, in which case they may differ slightly. You
?S: should always use this variable within your makefiles for portability.
?S:.
?LINT:change prefixvar
?LINT:set installsitebin
?LINT:set sitebin
?LINT:set sitebinexp
: determine where add-on public executables go
case "$sitebin" in
'') dflt=$siteprefix/bin ;;
*) dflt=$sitebin ;;
esac
fn=d~
rp='Pathname where the add-on public executables should be installed?'
. ./getfile
prefixvar=sitebin
. ./setprefixvar
```

Found in path(s):

* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/sitebin.U
No license file was found, but licenses were detected in source scan.

?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS: You may distribute under the terms of either the GNU General Public

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/startperl.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/privlib.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/perlpath.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/a_dvisory/multiarch.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_portable.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/archlib.U
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Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_getnbynm.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_cmsghdr_s.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_strtoq.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_thread_local.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_statvfs.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_asctime_r.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_lround.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_ttyname_r.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_ieeefp.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_mkstemps.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_ualarm.U

* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_recvmsg.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/uidf.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/infnan.U
*
/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_sysvfs.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_prot.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_fsat.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_fp_class.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_inetntop.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_getservbyport_r.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_isfinite.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_libm_lib_version.U
*
/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_strerror_r.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_fdclose.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/protos/netdbtype.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_gethostbyname_r.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_setvbuf.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_isfinitel.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_setgrent_r.U
*
/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_memrchr.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_getpwuid_r.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_getnetbyaddr_r.U
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* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/use64bits.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_strtoull.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_truncl.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_endnetent_r.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/usesocks.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_endservent_r.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/U/perl/d_fpgetround.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_getprotby.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_fdim.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_fs_data_s.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_inetpton.U
*
/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_msghdr_s.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_signbit.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_strlcat.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_gethostent_r.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_faststdio.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_pthread_atfork.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/i_sysuio.U
*
/opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_getnameinfo.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/usebacktrace.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_setenv.U
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_round.U
No license file was found, but licenses were detected in source scan.

```
/*
* This file was produced by running the config_h.SH script, which
* gets its values from $CONFIG_SH, which is generally produced by
* running Configure.
*
* Feel free to modify any of this as the need arises.  Note, however,
* that running config_h.SH again will wipe out any changes you've made.
* For a more permanent change edit $CONFIG_SH and rerun config_h.SH.
*
* \$Id: Config_h.U 1 2006-08-24 12:32:52Z rmanfredi $
*/
```

Found in path(s):

* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Config_h.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: MailAuthor.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: MailAuthor.U,v $
?RCS: Revision 3.0.1.5  1997/02/28  15:04:41  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.4  1994/08/29  16:05:09  ram
?RCS: patch32: avoid message sending if they said no previously
?RCS:
?RCS: Revision 3.0.1.3  1993/10/16  13:47:30  ram
?RCS: patch12: now makes sure user-specified address is in Internet format
?RCS:
?RCS: Revision
 3.0.1.2  1993/09/13  15:48:49  ram
?RCS: patch10: reverted to original intent by the Author himself
?RCS:
?RCS: Revision 3.0.1.1  1993/08/27  14:38:38  ram
?RCS: patch7: now prompts user for its e-mail address
?RCS: patch7: no longer silent when mail has been sent
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:06  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?RCS:
?X:
?X: This unit asks the user to please send a message to the author.
?X: To force inclusion of this unit, you must add it's name to the
?X: dependancies on the MAKE line in your private copy of End.U.
?X: This allows a smart mailagent program to automatically let users know
?X: when their package is out of date, and to allow users to be notified of
?X: any future patches.
?X:
?MAKE:MailAuthor mailpatches notifypatches usermail: test cat mailer \
 package Myread patchlevel baserev rm rsrc Oldconfig Configdir
```

```
?MAKE: -pick wipe $@ %<
?S:mailpatches:
?S: Indicates whether the user would like future patches to be mailed
?S: directly
 to them.
?S:.
?S:notifypatches:
?S: Indicates whether the user would like notification of future patches
?S: mailed to them.
?S:.
?S:usermail:
?S: This variable is used internally by Configure to keep track of the
?S: user e-mail address, where notifications or patches should be sent.
?S: A '-' value means the return address will be extracted by parsing
?S: the mail headers.
?S:.
?T:opt mailpatches notifypatches atsh status
: notify author that his package is used
if $test -f ../.config/mailauthor &&
 cmp $rsrc/patchlevel.h ../.config/mailauthor >/dev/null 2>&1
then
 status="say that you're using $package";
 case "$mailpatches" in
 true) status='have patches mailed to you as they are issued';;
 esac
 case "$notifypatches" in
 true) status='be notified when new patches are issued';;
 esac
 $cat <<EOM

You have already sent the author of $package (<MAINTLOC>) mail to
$status. If you wish, you may modify
your previous request by sending a new mail with different options.

EOM
 rp='Should
 I send a status update to <MAINTLOC>?'
 dflt=n
else
 $cat <<EOM

If you are able to send mail to the Internet, the author of $package would
really appreciate you letting me send off a quick note, just to say that you've
tried it. The author is more likely to spend time maintaining $package if it's
known that many people are using it, and you can even ask to get sent new
patches automagically this way if you wish. To protect your privacy, all I'll
say in the mail is the version of $package that you're using.
```

```
EOM
 rp='Should I send mail to <MAINTLOC>?'
 dflt=y
?X: Ensure default is 'n' if question has been asked already, in case they
?X: run Configure -d next time and answered 'n' the first time. Therefore,
?X: an empty nomail will be created later on even if no mail is sent.
 $test -f ../.config/nomail && dflt=n
fi
. ./myread
case "$ans" in
[yY]*)
 echo " "
 echo "Great! Your cooperation is really appreciated."
 $cat <<EOM

Some braindead sites do not set a proper return
 address in the From: header of
their outgoing mail, making it impossible to reply to mail they generate.
If your site is broken in this way, write to your system administrator and get
it fixed!!! In the mean time, you can manually specify the Internet e-mail
address by which the author can get back to you, should there be a need to do
so. If manually specified, it should be something like "user@domain.top".
If your mail system generates addresses correctly, specify "none".

EOM
 case "$usermail" in
 '-'|'') dflt=none;;
 *) dflt="$usermail";;
 esac
 rp='Manually specify a return address to use:'
 . ./myread
 case "$ans" in
 none|*@*.*)
  case "$ans" in
  none) usermail='-';;
  *) usermail="$ans";;
  esac
  ;;
 *)
  echo "(Address does not look like an Internet one -- ignoring it.)"
?X:
?X: If we can't trust their mailer or their return address, it's highly
?X: suggested that they only register and don't ask to get anything from
?X: the author, since it's likely to bounce in null-land --
 RAM.
?X:
  usermail='-'
  mailpatches=false
```

```
 notifypatches=false
 ;;
esac
echo " "
opt=''
rp='Would you like to have new patches automatically mailed to you?'
case "$mailpatches" in
true) dflt=y;;
*) dflt=n;;
esac
. ./myread
case "$ans" in
[yY]*) opt=' mailpatches'; mailpatches=true;;
*)
 mailpatches=false
 echo " "
 rp='Ok, would you like to simply be notified of new patches?'
 case "$notifypatches" in
 false) dflt=n;;
 *) dflt=y;;
 esac
 . ./myread
 echo " "
 case "$ans" in
 [yY]*) opt=' notifypatches'; notifypatches=true;;
 *)
  echo "Fine, I'll simply say that you've tried it then."
  notifypatches=false
  ;;
 esac
 ;;
esac
echo "Sending mail to <MAINTLOC>..." >&4
?X: Bizarre hack here. We can't just put @SH in the hereis lines below, because
?X: metaconfig will interpret it as a command, and there's no quoting mechanism.
?X: Do it via a variable instead.
atsh='@SH'
$mailer <MAINTLOC> <<EOM >/dev/null 2>&1
Subject: Command
Precedence: junk
To: <MAINTLOC>

$atsh
 package $usermail $package $baserev $patchlevel$opt
EOM
 $rm -f ../.config/mailauthor ../.config/nomail
 cp $rsrc/patchlevel.h ../.config/mailauthor
 ;;
```

```
*)
 case "$dflt" in
 "y")
  echo "Oh well, maybe next time."
  cp /dev/null ../.config/nomail
  ;;
 esac
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/MailAuthor.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: patchlevel.U,v 3.0.1.1 1997/02/28 16:18:41 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: This file is included with or a derivative work of a file included
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.
?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS:
?RCS:     You may distribute under the terms of either the GNU General Public
?RCS:     License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: patchlevel.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:18:41  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:31  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:patchlevel revision version subversion \
 perl_patchlevel version_patchlevel_string \
 api_revision api_version api_subversion api_versionstring: \
 package test rsrc echo awk osname
?MAKE: -pick
 add $@ %<
?S:revision:
?S: The value of revision comes from the patchlevel.h file.
?S: In a version number such as 5.6.1, this is the "5".
?S: In patchlevel.h, this is referred to as "PERL_REVISION".
?S:.
?S:patchlevel:
?S: The patchlevel level of this package.
?S: The value of patchlevel comes from the patchlevel.h file.
?S: In a version number such as 5.6.1, this is the "6".
```

```
?S: In patchlevel.h, this is referred to as "PERL_VERSION".
?S:.
?S:subversion:
?S: The subversion level of this package.
?S: The value of subversion comes from the patchlevel.h file.
?S: In a version number such as 5.6.1, this is the "1".
?S: In patchlevel.h, this is referred to as "PERL_SUBVERSION".
?S: This is unique to perl.
?S:.
?S:version:
?S: The full version number of this package, such as 5.6.1 (or 5_6_1).
?S: This combines revision, patchlevel, and subversion to get the
?S: full version number, including any possible subversions.
?S: This is suitable for use as a directory name, and hence is
?S: filesystem
 dependent.
?S:.
?S:api_revision:
?S: The three variables, api_revision, api_version, and
?S: api_subversion, specify the version of the oldest perl binary
?S: compatible with the present perl.  In a full version string
?S: such as '5.6.1', api_revision is the '5'.
?S: Prior to 5.5.640, the format was a floating point number,
?S: like 5.00563.
?S:
?S: perl.c:incpush() and lib/lib.pm will automatically search in
?S: $sitelib/.. for older directories back to the limit specified
?S: by these api_ variables.  This is only useful if you have a
?S: perl library directory tree structured like the default one.
?S: See INSTALL for how this works.  The versioned site_perl
?S: directory was introduced in 5.005, so that is the lowest
?S: possible value.  The version list appropriate for the current
?S: system is determined in inc_version_list.U.
?S:
?S: XXX To do:  Since compatibility can depend on compile time
?S: options (such as bincompat, longlong, etc.) it should
?S: (perhaps) be set by
 Configure, but currently it isn't.
?S: Currently, we read a hard-wired value from patchlevel.h.
?S: Perhaps what we ought to do is take the hard-wired value from
?S: patchlevel.h but then modify it if the current Configure
?S: options warrant.  patchlevel.h then would use an #ifdef guard.
?S:.
?S:api_version:
?S: The three variables, api_revision, api_version, and
?S: api_subversion, specify the version of the oldest perl binary
?S: compatible with the present perl.  In a full version string
?S: such as '5.6.1', api_version is the '6'.  See api_revision for
```

```
?S: full details.  As a special case, 5.5.0 is rendered in the
?S: old-style as 5.005.  (In the 5.005_0x maintenance series,
?S: this was the only versioned directory in $sitelib.)
?S:.
?S:api_subversion:
?S: The three variables, api_revision, api_version, and
?S: api_subversion, specify the version of the oldest perl binary
?S: compatible with the present perl.  In a full version string
?S: such as '5.6.1', api_subversion is the
 '1'.  See api_revision for
?S: full details.
?S:.
?S:api_versionstring:
?S: This variable combines api_revision, api_version, and
?S: api_subversion in a format such as 5.6.1 (or 5_6_1) suitable
?S: for use as a directory name.  This is filesystem dependent.
?S:.
?S:perl_patchlevel:
?S: This is the Perl patch level, a numeric change identifier,
?S: as defined by whichever source code maintenance system
?S: is used to maintain the patches; currently Perforce.
?S: It does not correlate with the Perl version numbers or
?S: the maintenance versus development dichotomy except
?S: by also being increasing.
?S:.
?S:version_patchlevel_string:
?S: This is a string combining version, subversion and
?S: perl_patchlevel (if perl_patchlevel is non-zero).
?S: It is typically something like
?S: 'version 7 subversion 1'  or
?S: 'version 7 subversion 1 patchlevel 11224'
?S: It is computed here to avoid duplication of code in myconfig.SH
?S: and lib/Config.pm.
?S:.
?LINT:extern LC_ALL
?LINT:extern LANGUAGE
:
 get the patchlevel
echo " "
echo "Getting the current patchlevel..." >&4
if $test -r $rsrc/patchlevel.h;then
 revision=`awk '/define[  ]+PERL_REVISION/ {print $3}' $rsrc/patchlevel.h`
 patchlevel=`awk '/define[  ]+PERL_VERSION/ {print $3}' $rsrc/patchlevel.h`
 subversion=`awk '/define[  ]+PERL_SUBVERSION/ {print $3}' $rsrc/patchlevel.h`
 api_revision=`awk '/define[  ]+PERL_API_REVISION/ {print $3}' $rsrc/patchlevel.h`
 api_version=`awk '/define[  ]+PERL_API_VERSION/ {print $3}' $rsrc/patchlevel.h`
 api_subversion=`awk '/define[  ]+PERL_API_SUBVERSION/ {print $3}' $rsrc/patchlevel.h`
 perl_patchlevel=`egrep ',"(MAINT|SMOKE)[0-9][0-9]*"' $rsrc/patchlevel.h|tail -1|sed 's/[^0-9]//g'`
```

```
else
 revision=0
 patchlevel=0
 subversion=0
 api_revision=0
 api_version=0
 api_subversion=0
 perl_patchlevel=0
 $echo "(You do not have patchlevel.h.  Eek.)"
fi
: Define a handy string here to avoid duplication in myconfig.SH and configpm.
version_patchlevel_string="version $patchlevel subversion $subversion"
case
 "$perl_patchlevel" in
0|'') ;;
*)  perl_patchlevel=`echo $perl_patchlevel | sed 's/.* //'`
   version_patchlevel_string="$version_patchlevel_string patch $perl_patchlevel"
   ;;
esac

$echo "(You have $package $version_patchlevel_string.)"

case "$osname" in
dos|vms)
 : XXX Should be a Configure test for double-dots in filenames.
 version=`echo $revision $patchlevel $subversion | \
   $awk '{ printf "%d_%d_%d", $1, $2, $3 }'`
 api_versionstring=`echo $api_revision $api_version $api_subversion | \
   $awk '{ printf "%d_%d_%d", $1, $2, $3 }'`
 ;;
*)
 version=`echo $revision $patchlevel $subversion | \
   $awk '{ printf "%d.%d.%d", $1, $2, $3 }'`
 api_versionstring=`echo $api_revision $api_version $api_subversion | \
   $awk '{ printf "%d.%d.%d", $1, $2, $3 }'`
 ;;
esac
: Special case the 5.005_xx maintenance series, which used 5.005
: without any subversion label as a subdirectory in $sitelib
if test "${api_revision}${api_version}${api_subversion}" = "550"; then
 api_versionstring='5.005'
fi

Found
 in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/patchlevel.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libyacc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libyacc.U,v $
?RCS: Revision 3.0.1.4  1997/02/28  16:09:19  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.3  1994/05/13  15:27:12  ram
?RCS: patch27: added byacc case (ADO)
?RCS:
?RCS: Revision 3.0.1.2  1994/05/06  15:09:01  ram
?RCS: patch23: now uses full library path instead of -l notation
?RCS:
?RCS: Revision 3.0.1.1  1994/01/24  14:13:49  ram
?RCS: patch16: un-obsoleted this unit for smooth yacc compilations
?RCS:
?RCS:
 Revision 3.0  1993/08/18  12:09:04  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libyacc: Loc yacc libpth _a
?MAKE: -pick add $@ %<
?S:libyacc:
?S: This variable contains the argument to pass to the loader in order
?S: to get the yacc library routines.  If there is no yacc or yacc
?S: library, it is null.
?S:.
?T:xxx
: see if we should include -ly
echo " "
case "$yacc" in
*byacc*)
 echo "You are using byacc, so I won't look for a yacc library." >&4
 libyacc=''
 ;;
*yacc)
 xxx=`./loc liby$_a x $libpth`
 case "$xxx" in
 x)
```

```
  echo "No yacc library found." >&4
  libyacc=''
  ;;
 *)
  echo "yacc library found in $xxx." >&4
  libyacc="$xxx"
  ;;
 esac
 ;;
*bison*)
 echo "You are using bison, so I won't look for a yacc library." >&4
 libyacc=''
 ;;
*)
echo "You don't seem to have yacc, so I won't look for the yacc library." >&4
 libyacc=''
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libyacc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Whoa.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  15:21:21  ram
?RCS: patch61: whoa script now starts with leading "startsh"
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  16:02:01  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:19  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in in order
?X: to warn the user in case a change into a variable is noticed.
?X:
```

```
?X: To use this
 unit, $was must hold the old value that has changed. Upon
?X: exit, the two variables $td and $tu are set to the correct value for
?X: respectively defining or undefining a variable. For instance, if $vas was
?X: $undef, but now $var is $define, after calling . whoa, you should use
?X: eval "$var=\$tu" to finally set $var to the correct value. See unit Inlibc.
?X:
?MAKE:Whoa: Myread startsh hint
?MAKE: -pick add $@ %<
?F:./whoa
?T:var was
?LINT:change td tu
: set up the script used to warn in case of inconsistency
cat <<EOS >whoa
$startsh
EOS
cat <<'EOSC' >>whoa
dflt=y
echo " "
echo "*** WHOA THERE!!! ***" >&4
echo "    The $hint value for \$$var on this machine was \"$was\"!" >&4
rp="    Keep the $hint value?"
. ./myread
case "$ans" in
y) td=$was; tu=$was;;
esac
EOSC
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Whoa.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Setprefixvar.U,v 3.0 2006/04/01 17:25:29 hmbrand $
?RCS:
?RCS: Copyright (c) 2006-2006, H.Merijn Brand & Nicholas Clark
?RCS:
?RCS: This file is included with or a derivative work of a file included
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.
?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS:
?RCS:   You may distribute under the terms of either the GNU General Public
?RCS:   License or the Artistic License, as specified in the README file.
?RCS:
?X:
?X: This unit sets up the scripts installprefix and setprefixvar, so code
?X: in other parts can be more simple and maintainable
?X:
```

```
?MAKE:Setprefixvar: Myread Getfile startsh eunicefix test \
 prefix prefixexp installprefix installprefixexp
?MAKE: -pick add $@ %<
?LINT:extern prefixvar
?X: metalint still sees "`\$${prefixvar}exp`" as variable :(
?T:prefixvarexp
?F:./setprefixvar
?F:./installprefix
: Perform
 the prefixexp/installprefixexp correction if necessary
cat <<EOS >installprefix
$startsh
EOS
cat <<'EOSC' >>installprefix
: Change installation prefix, if necessary.
if $test X"$prefix" != X"$installprefix"; then
   eval "install${prefixvar}=\`echo \$${prefixvar}exp | sed \"s#^\$prefixexp#\$installprefixexp#\"\`"
else
   eval "install${prefixvar}=\"\$${prefixvar}exp\""
fi
EOSC
chmod +x installprefix
$eunicefix installprefix

: Set variables such as privlib and privlibexp from the output of ./getfile
: performing the prefixexp/installprefixexp correction if necessary.
cat <<EOS >setprefixvar
$startsh
EOS
cat <<'EOSC' >>setprefixvar
eval "${prefixvar}=\"\$ans\""
eval "${prefixvar}exp=\"\$ansexp\""
. ./installprefix
EOSC
chmod +x setprefixvar
$eunicefix setprefixvar
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/Setprefixvar.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:sitehtml3dir sitehtml3direxp installsitehtml3dir: Getfile \
 Setprefixvar prefix siteprefix html3dir sed
?MAKE: -pick add $@ %<
?Y:TOP
?D:sitehtml3dir=''
?S:sitehtml3dir:
?S: This variable contains the name of the directory in which site-specific
?S: library html source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S: The standard distribution will put nothing in this directory.
?S: After
 perl has been installed, users may install their own local
?S: library html pages in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:sitehtml3direxp=''
?S:sitehtml3direxp:
?S: This variable is the same as the sitehtml3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installsitehtml3dir=''
?S:installsitehtml3dir:
?S: This variable is really the same as sitehtml3direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: html3direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installsitehtml3dir
?LINT:set sitehtml3dir
?LINT:set sitehtml3direxp
: determine where add-on library html pages go
: There is no standard location, so try to copy the previously-selected
: directory structure for the core html pages.
case
 "$sitehtml3dir" in
")    dflt=`echo "$html3dir" | $sed "s#^$prefix#$siteprefix#"` ;;
*)     dflt=$sitehtml3dir ;;
esac
case "$dflt" in
"|' ') dflt=none ;;
esac
```

```
fn=dn+~
rp='Pathname where the site-specific library html pages should be installed?'
. ./getfile
prefixvar=sitehtml3dir
. ./setprefixvar
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/sitehtml3dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: package.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: package.U,v $
?RCS: Revision 3.0.1.3  1994/10/29  16:27:21  ram
?RCS: patch36: beware of non-ascii character sets when translating case
?RCS:
?RCS: Revision 3.0.1.2  1993/11/10  17:37:02  ram
?RCS: patch14: skip definition of spackage if not otherwise used
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:11:10  ram
?RCS: patch10: added spackage, suitable for starting sentences
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:28  ram
?RCS: Baseline for dist 3.0
 netwide release.
?RCS:
?MAKE:package spackage: Nothing
?MAKE: -pick wipe $@ %<
?S:package:
?S: This variable contains the name of the package being constructed.
?S: It is primarily intended for the use of later Configure units.
?S:.
?S:spackage:
?S: This variable contains the name of the package being constructed,
?S: with the first letter uppercased, i.e. suitable for starting
?S: sentences.
?S:.
?X: dist-4 has defined PACKAGE: here, which clashes with perly.h
?X:  as package is a reserved keyword in perl
```

```
?T:first last
: set package name
package='<PACKAGENAME>'
@if spackage
first=`echo $package | sed -e 's/^\(.\).*/\1/'`
last=`echo $package | sed -e 's/^.\(.*\)/\1/'`
?X:
?X: So early in the Configure script, we don't have ./tr set up and can't
?X: include Tr in our dependency or that would create a cycle. Therefore,
?X: we have to somehow duplicate the work done in Tr. That's life.
?X:
case "`echo AbyZ | tr '[:lower:]' '[:upper:]' 2>/dev/null`"-"`echo AbyZ | tr '[:upper:]' '[:lower:]'
 2>/dev/null`" in
ABYZ-abyz) spackage=`echo $first | tr '[:lower:]' '[:upper:]'`$last;;
*) spackage=`echo $first | tr '[a-z]' '[A-Z]'`$last;;
esac
@end
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/package.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: contains.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: contains.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:35  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:contains: Nothing
?MAKE: -pick add $@ %<
?S:contains:
?S: This variable holds the command to do a grep with a proper return
?S: status.  On most sane systems it is simply "grep".  On insane systems
?S: it is a grep followed by a cat followed by a test.  This variable
?S: is primarily for the use of other Configure units.
?S:.
: Some
 greps do not return status, grrr.
echo "grimblepritz" >grimble
```

```
if grep blurfldyick grimble >/dev/null 2>&1 ; then
 contains=contains
elif grep grimblepritz grimble >/dev/null 2>&1 ; then
 contains=grep
else
 contains=contains
fi
rm -f grimble
: the following should work in any shell
case "$contains" in
contains*)
 echo " " >&4
 echo "AGH!  Grep doesn't return a status.  Attempting remedial action." >&4
 cat >contains <<'EOSS'
grep "$1" "$2" >.greptmp && cat .greptmp && test -s .greptmp
EOSS
contains=./contains
chmod +x $contains
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/contains.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: prototype.U,v 3.0.1.3 1994/05/06 15:11:49 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: prototype.U,v $
?RCS: Revision 3.0.1.3  1994/05/06  15:11:49  ram
?RCS: patch23: ensure cc flags used when looking for prototype support
?RCS:
?RCS: Revision 3.0.1.2  1994/01/24  14:15:36  ram
?RCS: patch16: prototype handling macros now appear only when needed
?RCS:
?RCS: Revision 3.0.1.1  1993/08/25  14:03:12  ram
?RCS: patch6: defines were referring to non-existent VOID symbol
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:36  ram
?RCS: Baseline for dist
```

```
 3.0 netwide release.
?RCS:
?MAKE:prototype: Nothing
?S:prototype:
?S: This variable holds the eventual value of CAN_PROTOTYPE, which
?S: indicates the C compiler can handle function prototypes.
?S:.
: stub, never used
prototype=nothing
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/prototype.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Typedef.U,v 3.0.1.3 1995/07/25 13:42:07 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Typedef.U,v $
?RCS: Revision 3.0.1.3  1995/07/25  13:42:07  ram
?RCS: patch56: added backslash escapes within evals to prevent space problems
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  16:01:16  ram
?RCS: patch36: don't clobber visible 'val' variable, use 'varval' instead
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:05:14  ram
?RCS: patch32: created
?RCS:
?X:
?X: This unit checks for the definition of a given typedef.
?X:
?X: To use it, say:
?X: set typedef
 val_t default [includes]
?X: eval $typedef
?X:
?MAKE:Typedef: cppstdin cppminus cppflags rm sed contains Oldconfig Myread
?MAKE: -pick add $@ %<
?LINT:define typedef
?LINT:define typedef_ask
?V:typedef typedef_ask
```

```
?S:typedef:
?S: This shell variable is used internally by Configure to check
?S: whether a given typedef is defined or not. A typical use is:
?S:  set typedef val_t default [includes]
?S:  eval $typedef
?S: That will return val_t set to default if the typedef was not found,
?S: to typedef otherwise. If no includes are specified, look in sys/types.h.
?S:.
?S:typedef_ask:
?S: This shell variable is used internally by Configure to check
?S: whether a given typedef is defined or not.  If it is not defined,
?S: this will call the ./myread script to prompt for an answer.
?S: It is intended to be used to avoid unnecessary prompts.
?S: A typical use is
?S:  rp="What is the type for file position used by fsetpos()?"
?S:  set fpos_t fpostype long stdio.h sys/types.h
?S:  eval $typedef_ask
?S: This
 will set fpostype=fpos_t, if fpos_t is available.  Otherwise
?S: it will call myread with a default of 'long', and a prompt of $rp.
?S:.
?T:type var def inclist varval inc
?F:!temp.c
: define an is-a-typedef? function
typedef='type=$1; var=$2; def=$3; shift; shift; shift; inclist=$@;
case "$inclist" in
"") inclist="sys/types.h";;
esac;
eval "varval=\$$var";
case "$varval" in
"")
 $rm -f temp.c;
 for inc in $inclist; do
  echo "#include <$inc>" >>temp.c;
 done;
?X: Maybe it's a #define instead of a typedef.
 echo "#ifdef $type" >> temp.c;
 echo "printf(\"We have $type\");" >> temp.c;
 echo "#endif" >> temp.c;
 $cppstdin $cppflags $cppminus < temp.c >temp.E 2>/dev/null;
 if $contains $type temp.E >/dev/null 2>&1; then
  eval "$var=\$type";
 else
  eval "$var=\$def";
 fi;
 $rm -f temp.?;;
*) eval "$var=\$varval";;
esac'
```

```
?X: Originally, I eval'd $typedef and then checked the results against
?X: $type.  Unfortunately, it then became complicated to check
?X: whether you are re-using
 an old config.sh value, and the logic got
?X: so convoluted it became easier to just copy the function above
?X: and alter it slightly.  A.D.  3/1998
: define an is-a-typedef? function that prompts if the type is not available.
typedef_ask='type=$1; var=$2; def=$3; shift; shift; shift; inclist=$@;
case "$inclist" in
"") inclist="sys/types.h";;
esac;
eval "varval=\$$var";
case "$varval" in
"")
 $rm -f temp.c;
 for inc in $inclist; do
  echo "#include <$inc>" >>temp.c;
 done;
?X: Maybe it's a #define instead of a typedef.
 echo "#ifdef $type" >> temp.c;
 echo "printf(\"We have $type\");" >> temp.c;
 echo "#endif" >> temp.c;
 $cppstdin $cppflags $cppminus < temp.c >temp.E 2>/dev/null;
 echo " " ;
 echo "$rp" | $sed -e "s/What is/Looking for/" -e "s/?/./";
 if $contains $type temp.E >/dev/null 2>&1; then
  echo "$type found." >&4;
  eval "$var=\$type";
 else
  echo "$type NOT found." >&4;
  dflt="$def";
  . ./myread ;
  eval "$var=\$ans";
 fi;
 $rm -f temp.?;;
*) eval "$var=\$varval";;
esac'
```

Found
 in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/Typedef.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: MailList.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: MailList.U,v $
?RCS: Revision 3.0.1.1  1994/01/24  14:01:49  ram
?RCS: patch16: created
?RCS:
?RCS:
?X:
?X: This unit offers the user the option of subscribing to the mailing
?X: list. To force inclusion of this unit, you must add it's name to the
?X: dependancies on the MAKE line in your private copy of End.U.
?X: The address of the mailing list server must be set via a "list_request=..."
?X:
 entry in the .package file. This is usually done by running packinit and
?X: answering the proper questions.
?X:
?MAKE:MailList: cat mailer package Myread cf_name cf_email
?MAKE: -pick wipe $@ %<
?T:list_request list_sub list_unsub list_name
?X:
?X: The cf_name dependency is used through list_sub when the mailing list
?X: manager happens to be listserv, whereas cf_email is used whith majordomo
?X: or when the mailing list request address is scanned by a human. Since
?X: they do not appear within the unit itself, we need a lint hint.
?X:
?LINT:use cf_name cf_email
: offer to join the mailing list
list_request='<$list_request>'
list_sub="<$list_sub>"
list_unsub="<$list_unsub>"
list_name="<$list_name>"
$cat <<EOM

There is a mailing list for discussion about $package and related issues.
This is the preferred place to ask questions about the program and discuss
modifications and additions with the author and other users.  If you are able
to send mail to the Internet, you
 are encouraged to subscribe.  You need only
ever subscribe once, and you can unsubscribe automatically at any time in the
future.  If you have already subscribed and you wish to unsubscribe now, you
may do so by answering "unsubscribe".  Answer "subscribe" to subscribe to the
```

```
list.

EOM
rp="Subscribe to or unsubscribe from the $list_name mailing list?"
dflt=neither
. ./myread
case "$ans" in
[sS]*) $cat <<EOM

You will be sent a message from the list server to let you know when your
subscription has been successful and telling you how to submit articles and
how to unsubscribe again when necessary. You may also unsubscribe by running
this script again and asking it to do so for you.

EOM
 echo "Sending mail to subscribe you to the $list_name list..." >&4
 $mailer $list_request <<EOM >/dev/null 2>&1
Precedence: junk
To: $list_request

$list_sub
EOM
 ;;
[uU]*) echo "Sending mail to unsubscribe you from the $list_name list..." >&4
 $mailer $list_request <<EOM >/dev/null 2>&1
Precedence: junk
To:
 $list_request

$list_unsub
EOM
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/MailList.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Configdir.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
?RCS: $Log: Configdir.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  14:58:36  ram
?RCS: patch61: have README explicitly mention the package name
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:49  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:Configdir: package
?MAKE: -pick add $@ %<
: create .config dir to save info across Configure sessions
test -d ../.config || mkdir ../.config
cat >../.config/README <<EOF
This directory created by Configure to save
 information that should
persist across sessions for $package.

You may safely delete it if you wish.
EOF
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Configdir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_passwd.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_passwd.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  15:37:21  ram
?RCS: patch61: useless unit dropped.
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:09:51  ram
?RCS: patch32: created by ADO
?RCS:
?X:
?X: Useless unit dropped.
?X:
?LINT:empty
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_passwd.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: warnflags.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Orginal Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: warnflags.U,v $
?RCS: Revision 3.0  1993/08/18  12:10:02  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:warnflags: cat cc contains Myread Guess Oldconfig Findhdr
?MAKE: -pick add $@ %<
?S:warnflags:
?S: This variable contains any additional C compiler flags to generate
?S: warnings from the compiler. It is up to the Makefile to use this.
?S:.
: offer additional
 warning flags for compilation
$cat <<EOH

You may wish to compile with extra compiler warnings enabled.
Note that doing so enhances your chance of receiving your free set of steak
knives, particularly if you find any bugs and report them.
If you don't want extra warnings, answer "none".

EOH
case "$warnflags" in
") case "$cc" in
 *gcc*)
  dflt="-Wall -Wno-comment"
  if $contains 'fprintf' `./findhdr stdio.h` >/dev/null 2>&1; then
   :
  else
   dflt="$dflt -Wno-implicit"
  fi
  ;;
```

```
 *) dflt="none";;
 esac
 ;;
' ') dflt="none";;
*) dflt="$warnflags";;
esac

rp="Any $cc flags to enable warnings?"
. ./myread
case "$ans" in
none) warnflags=' ';;
*) warnflags="$ans";;
esac
```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/warnflags.U
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```
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```

Found in path(s):
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/bindex
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/makegloss
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/errnolist.mk
* /opt/cola/permits/2338879021_1738277440.6969423/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/files/fixcpp

1.7904 libisl23 0.26-3build1.1

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1.7905 isl 0.26-3build1.1

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1.7906 libperl5.38t64 5.38.2-3.2build2.1

1.7906.1 Available under license :

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?RCS: $Id: Warn_v7EXT.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: of the source tree for dist 4.0.

```
?RCS:
?RCS: $Log: Warn_v7EXT.U,v $
?RCS: Revision 3.0.1.1  1994/10/29  16:01:42  ram
?RCS: patch36: call ./v7 explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:17  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit issues warnings to V7 sites that they are living dangerously.
?X: This unit needs to get mentioned in End.U to get included.
?X:
?MAKE:Warn_v7EXT: package Guess
?MAKE: -pick add $@ %<
: Warnings
if ./v7;
 then
 cat <<EOM

NOTE: the V7 compiler may ignore some #undefs that $package uses.  If so,
you may get messages about redefining EXT.  Some V7 compilers also have
difficulties with #defines near buffer boundaries, so beware.  You may have
to play with the spacing in some .h files, believe it or not.
EOM
fi
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Warn_v7EXT.U
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```
?RCS: $Id: lib.U,v 3.0.1.3 1995/09/25 09:16:47 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: lib.U,v $
?RCS: Revision 3.0.1.3  1995/09/25  09:16:47  ram
?RCS: patch59: unit is now forced to the top of Configure, if possible
?RCS:
?RCS: Revision 3.0.1.2  1995/01/30  14:38:08  ram
?RCS: patch49: can now handle installation prefix changes (from WED)
?RCS:
```

```
?RCS: Revision 3.0.1.1  1994/08/29  16:27:40  ram
?RCS: patch32: now uses installation prefix to set the default
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:56  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?LINT:
 empty
?X:?MAKE:lib libexp: Getfile Loc Oldconfig Prefixit Prefixup prefixexp
?X:?MAKE: -pick add $@ %<
?X:?Y:TOP
?X:?S:lib:
?X:?S: This variable holds the name of the directory in which the user wants
?X:?S: to put public library files for the package in question.  It is most
?X:?S: often a local directory such as /usr/local/lib. Programs using this
?X:?S: variable must be prepared to deal with filename expansion.
?X:?S:.
?X:?S:libexp:
?X:?S: This variable is the same as the lib variable, but is filename expanded
?X:?S: at configuration time, for convenient use in your makefiles.
?X:?S:.
?X:: determine where public libraries go
?X:set lib lib
?X:eval $prefixit
?X:case "$lib" in
?X:")
?X: dflt=`./loc . "." $prefixexp/lib /usr/local/lib /usr/lib /lib`
?X: set dflt
?X: eval $prefixup
?X: ;;
?X:*)  dflt="$lib";;
?X:esac
?X:echo " "
?X:fn=d~
?X:rp='Where do you want to put the public libraries?'
?X:. ./getfile
?X:lib="$ans"
?X:libexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/nullified/lib.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
```

```
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?RCS:
?RCS: Copyright (c) 2000, Jarkko Hietaniemi
?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in order
?X: to make quick check on whether the current C compiler is working.
?X:
?MAKE:Checkcc ccname ccversion: Myread Warn startsh cat contains test
?MAKE: -pick add $@ %<
?S:ccname:
?S: This can set either by hints files or by Configure.  If using
?S: gcc, this is gcc, and if not, usually equal to cc, unimpressive, no?
?S: Some platforms, however, make good use of this by storing the
?S: flavor
 of the C compiler being used here.  For example if using
?S: the Sun WorkShop suite, ccname will be 'workshop'.
?S:.
?S:ccversion:
?S: This can set either by hints files or by Configure.  If using
?S: a (non-gcc) vendor cc, this variable may contain a version for
?S: the compiler.
?S:.
?F:./checkcc ./trygcc !checktmp
?V:despair
?T:trygcc
?LINT:extern cc rm ccflags ldflags
?LINT:change cc ccflags
?LINT:usefile checktmp
?INIT:ccname=''
?INIT:ccversion=''
: generate the trygcc script for later perusal
cat <<EOS >trygcc
$startsh
EOS
cat <<'EOSC' >>trygcc
case "$cc" in
'') ;;
*)  $rm -f try try.*
   $cat >try.c <<EOM
int main(int argc, char *argv[]) {
 (void) argc;
 (void) argv;
 return 0;
```

```
}
EOM
  if $cc -o try $ccflags $ldflags try.c; then
    :
  else
     echo "Uh-oh, the C compiler '$cc' doesn't seem to be working." >&4
     despair=yes
     trygcc=yes
     case "$cc" in
     *gcc*) trygcc=no ;;
     esac
     case "`$cc -v -c try.c 2>&1`" in

    *gcc*) trygcc=no ;;
     esac
     if $test X"$trygcc" = Xyes; then
        if gcc -o try -c try.c; then
           echo " "
           echo "You seem to have a working gcc, though." >&4
           rp="Would you like to use it?"
           dflt=y
           if $test -f myread; then
              . ./myread
           else
              if $test -f UU/myread; then
                 . ./UU/myread
              else
                 echo "Cannot find myread, sorry.  Aborting." >&2
                 exit 1
              fi
           fi
           case "$ans" in
           [yY]*) cc=gcc; ccname=gcc; ccflags=''; despair=no;
?X: Look whether we have 'call-back units' generated by hints that would
?X: seemingly affect the compiling environment.
                 $cat *.cbu >checktmp 2>/dev/null
                 if $contains ccflags checktmp >/dev/null; then

     ./warn <<EOM
Any previous setting of the C compiler flags has been lost.
It may be necessary to pass -Dcc=gcc to Configure right away.
EOM
                 fi;;
           esac
        fi
     fi
  fi
  $rm -f try try.*
```

```
   ;;
esac
EOSC

: generate the checkcc script for later perusal
cat <<EOS >checkcc
$startsh
EOS
cat <<'EOSC' >>checkcc
case "$cc" in
") ;;
*)  $rm -f try try.*
   $cat >try.c <<EOM
int main(int argc, char *argv[]) {
 (void) argc;
 (void) argv;
 return 0;
}
EOM
   if $cc -o try $ccflags $ldflags try.c; then
      :
   else
      if $test X"$despair" = Xyes; then
         echo "Uh-oh, the C compiler '$cc' doesn't seem to be working." >&4
      fi
      $cat >&4 <<EOM
You need to find a working C compiler.
Either (purchase and) install the C compiler supplied by your OS vendor,
or for a free C compiler try http://gcc.gnu.org/
I cannot continue any further, aborting.
EOM
      exit 1
   fi

 $rm -f try try.*
   ;;
esac
EOSC
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Checkcc.U
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?RCS: Copyright (c) 2016 Dagfinn Ilmari Mannsker & H.Merijn Brand
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```
?RCS:
?X:
?X: This unit produces a variable that is intended to be eval'ed in
?X: order to define/undefine a symbol. A consistency check is made
?X: regarding any previous value and a warning is issued if there
?X: is any discrepancy.
?X:
?X: To use it, say:
?X: set d_siginfo_si_errno siginfo_t int si_errno $d_sigaction signal.h
?X: eval $hasfield_t;
?X:
?MAKE:Hasfield_t: test Compile rm_try Setvar
?MAKE: -pick add $@ %<
?LINT:define hasfield_t
?S:hasfield_t:
?S: Internal macro for Configure
?S:.
?V:hasfield_t:
?T:varname struct type field
: Define hasfield_t macro for Configure internal use
hasfield_t='varname=$1; struct=$2; type=$3; field=$4; shift; shift; shift; shift;
while $test $# -ge 2; do
   case
 "$1" in
 $define) echo "#include <$2>";;
   esac ;
   shift 2;
done > try.c;
echo "int main () { $struct foo; $type bar = foo.$field; }" >> try.c;
set try;
if eval $compile; then
 val="$define";
else
 val="$undef";
fi;
set $varname;
eval $setvar;
$rm_try'
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/Hasfield_t.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: html3dir.U,v $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
```

```
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: html3dir.U,v $
?RCS:
?MAKE:html3dir html3direxp installhtml3dir: cat sed Loc Myread \
 spackage test Getfile Setprefixvar Prefixit Prefixup html1dir
?MAKE: -pick add $@ %<
?Y:TOP
?D:html3dir=''
?S:html3dir:
?S: This variable contains the name of the directory in which html
?S: source pages are to be put.  This directory is for pages
?S: that describe libraries or modules.  It is intended to
?S: correspond roughly to section 3 of the Unix manuals.
?S:.
?D:html3direxp=''
?S:html3direxp:
?S: This variable
 is the same as the html3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installhtml3dir=''
?S:installhtml3dir:
?S: This variable is really the same as html3direxp, unless you are
?S: using a different installprefix.  For extra portability, you
?S: should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set html3direxp
?LINT:set installhtml3dir
: determine where html pages for libraries and modules go
set html3dir html3dir none
eval $prefixit
$cat <<EOM

If you wish to install html files for modules associated with $spackage,
indicate the appropriate directory here.  To skip installing html files,
answer "none".
EOM
: There is no obvious default.  If they have specified html1dir, then
: try to key off that, possibly changing .../html1 into .../html3.
case "$html3dir" in
'') html3dir=`echo "$html1dir" | $sed 's/1$/3$/'` ;;
*) dflt=$html3dir ;;
```

```
esac
fn=dn+~
rp="Directory for the $spackage module
 html pages?"
. ./getfile
prefixvar=html3dir
. ./setprefixvar
: Use ' ' for none so value is preserved next time through Configure
$test X"$html3dir" = "X" && html3dir=' '
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/html3dir.U
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```
?RCS: $Id: rcs_branch.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: rcs_branch.U,v $
?RCS: Revision 3.0  1993/08/18  12:09:40  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:rcs_branch: Myread contains Loc
?MAKE: -pick add $@ %<
?S:rcs_branch:
?S: This variable will hold "true" if rcs can take the -b<revision>
?S: option, which can make Life Easier on those folks who like to run
?S: rcsdiff manually.
?S:.
?T:xxx
: Tra la la la la
echo " "
echo "Checking to see if RCS understands the -b switch..." >&4
xxx=`./loc
 rcs " $pth`
case "$xxx" in
")
 rcs_branch=false
 echo "Oh.  You don't seem to have RCS here."
 ;;
*)
```

```
 rcs > rcsbranch.out 2>&1
 if $contains 'b\[rev\]' rcsbranch.out  >/dev/null 2>&1 ; then
  rcs_branch=true
  echo "Nice!  Your RCS is spiffy!"
 else
  rcs_branch=false
 echo "Well, at least you have RCS.  You know, a newer version is available."
 fi
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/rcs_branch.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Chk_whoami.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Chk_whoami.U,v $
?RCS: Revision 3.0  1993/08/18  12:04:46  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit makes sure we don't try to include whoami.h if uname() exists.
?X:
?MAKE:Chk_whoami: d_uname i_whoami
?MAKE: -pick add $@ %<
?LINT:change i_whoami
: weed out incompatibilities
case "$d_uname" in
 "$define") i_whoami="$undef" ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Chk_whoami.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Csym.U,v $
?RCS: Revision 3.0.1.4  1995/07/25  13:36:29  ram
?RCS: patch56: re-arranged compile line to include ldflags before objects
?RCS: patch56: added quotes for OS/2 support
?RCS:
?RCS: Revision 3.0.1.3  1995/05/12  12:00:33  ram
?RCS: patch54: fixed C test program to bypass gcc builtin type checks (ADO)
?RCS:
?RCS: Revision 3.0.1.2  1994/10/31  09:34:13  ram
?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U
?RCS:
?RCS: Revision 3.0.1.1  1993/08/25  14:00:05  ram
?RCS:
 patch6: added ldflags as a conditional dependency and to compile line
?RCS: patch6: a final double quote was missing in csym variable after eval
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:50  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:Csym: Options contains libc libs runnm +cc +ccflags +ldflags rm
?MAKE: -pick add $@ %<
?LINT:define csym
?LINT:use libc
?S:csym:
?S: This shell variable is used internally by Configure to check
?S: wether a given C symbol is defined or not. A typical use is:
?S:  set symbol result [-fva] [previous]
?S:  eval $csym
?S: That will set result to 'true' if the function [-f], variable [-v]
?S: or array [-a] is defined, 'false' otherwise. If a previous value is
?S: given and the -r flag was provided on the command line, that value
?S: is reused without questioning.
?S:.
?V:csym
?T:tval tx tlook tf tdc tc
: is a C symbol defined?
csym='tlook=$1;
case "$3" in
-v) tf=libc.tmp; tc=""; tdc="";;
-a) tf=libc.tmp; tc="[0]"; tdc="[]";;
```

```
*) tlook="^$1\$";
 tf=libc.list; tc=""; tdc="()";;
esac;
tx=yes;
case "$reuseval-$4" in
true-) ;;
true-*) tx=no; eval "tval=\$$4"; case "$tval" in "") tx=yes;; esac;;
esac;
case "$tx" in
yes)
 case "$runnm" in
 true)
  if $contains $tlook $tf >/dev/null 2>&1;
  then tval=true;
  else tval=false;
  fi;;
 *)
?X:
?X: We use 'char' instead of 'int' to try to circumvent overzealous
?X: optimizing compilers using built-in prototypes for commonly used
?X: routines to complain when seeing a different external declaration. For
?X: instance, gcc 2.6.3 fails if we use 'int' and we attempt a test against
?X: memcpy() on machines where sizeof(int) == sizeof(char *) (the usual return
?X: type), the compiler assuming it's a built-in declaration given that the
?X: returned size matches. At least with 'char' we are safe! -- RAM, for ADO
?X:
?X: Let's thank GNU cc for making our lifes so easy! :-)
?X: (An alternative for the future would be to use our knowledge about gcc
?X: to force a -fno-builtin option in the
 compile test, in case the 'char'
?X: trick is obsoleted by future gcc releases). -- RAM
?X:
?X: Lastly, gcc 3.4 otimizes &missing == 0 away, so we use + 2 instead now.
?X: The GNU folks like to do weird things, don't they? -- RAM, 2004-06-05
?X:
  echo "extern char $1$tdc; int main() { return &$1$tc + 2; }" > t.c;
  if $cc $ccflags $ldflags -o t t.c $libs >/dev/null 2>&1;
  then tval=true;
  else tval=false;
  fi;
  $rm -f t t.c;;
 esac;;
*)
 case "$tval" in
 $define) tval=true;;
 *) tval=false;;
 esac;;
esac;
```

```
eval "$2=$tval"'

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Csym.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2000, Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:versionONLY: cat Myread Setvar Devel
?MAKE: -pick add $@ %<
?LINT:set versionONLY
?Y:TOP
?S:versionONLY:
?S: If set, this symbol indicates that only the version-specific
?S: components of a perl installation should be installed.
?S: This may be useful for making a test installation of a new
?S: version without disturbing the existing installation.
?S: Setting versionONLY is equivalent to setting installperl's -v option.
?S: In particular, the non-versioned scripts and programs such as
?S: a2p, c2ph, h2xs, pod2*, and perldoc
 are not installed
?S: (see INSTALL for a more complete list).  Nor are the man
?S: pages installed.
?S: Usually, this is undef.
?S:.
?LINT:extern inc_version_list
?LINT:change inc_version_list
?LINT:extern inc_version_list_init
?LINT:change inc_version_list_init
?LINT:extern version
: determine whether to use a version number suffix for installed binaries
echo " "
$cat <<EOM
Do you want to use a version number suffix for installed binaries? This
will install 'perl$version' instead of 'perl', and likewise for other
binaries like 'perldoc' and 'cpan'. This allows many versions of perl
to be installed side-by-side. Unless you are a developer, you probably
do *not* want to do this.
EOM
```

```
case "$versionony" in
"$define"|[Yy]*|true) dflt='y' ;;
*) dflt='n';
esac
rp="Do you want to use a version number suffix for installed binaries?"
. ./myread
case "$ans" in
[yY]*) val="$define";;
*) val="$undef" ;;
esac
set versionony
eval $setvar

case "$versionony" in
"$define") inc_version_list="
        inc_version_list_init=0
       ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/versionony.U
No license file was found, but licenses were detected in source scan.

```
/*
* $Id: scandir.C,v 3.0.1.1 1994/01/24 13:58:45 ram Exp ram $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* $Log: scandir.C,v $
* Revision 3.0.1.1  1994/01/24  13:58:45  ram
* patch16: created
*
*/
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/C/fake/scandir.C
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extractall.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:00:43  ram
?RCS: patch61: created
?RCS:
?X:
?X: If extraction has been requested, load the configuration file, perform
?X: the extraction and exit.
?X:
?X: This unit was originally a part of Options.U. It had to be removed from
?X: it to prevent a dependency cycle: Extract -> src -> Options -> Extract
?X: The Begin.U unit now requires us before beginning to do anything
?X: interesting, to ensure proper semantics. -- RAM, 15/03/96
?X:
?MAKE:Extractall:
 Extract Options
?MAKE: -pick wipe $@ %<
: extract files and exit if asked to do so
case "$extractsh" in
true)
?X: Undo the forced silent=true when -S was supplied, by probing realsilent
?X: which was set iff -s was also given. See Options.U for details.
 case "$realsilent" in
 true) ;;
 *) exec 1>&4;;
 esac
 case "$config_sh" in
 ") config_sh='config.sh';;
 esac
 echo " "
 echo "Fetching answers from $config_sh..."
 cd ..
 . $config_sh
 test "$override" && . ./optdef.sh
 echo " "
?X: extract has to be run from the top directory, not within UU.
 . UU/extract
 rm -rf UU
 echo "Extraction done."
 exit 0
 ;;
```

```
esac

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Extractall.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: MailList.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: MailList.U,v $
?RCS: Revision 3.0.1.1  1994/01/24  14:01:49  ram
?RCS: patch16: created
?RCS:
?RCS:
?X:
?X: This unit offers the user the option of subscribing to the mailing
?X: list. To force inclusion of this unit, you must add it's name to the
?X: dependancies on the MAKE line in your private copy of End.U.
?X: The address of the mailing list server must be set via a "list_request=..."
?X:
 entry in the .package file. This is usually done by running packinit and
?X: answering the proper questions.
?X:
?MAKE:MailList: cat mailer package Myread cf_name cf_email
?MAKE: -pick wipe $@ %<
?T:list_request list_sub list_unsub list_name
?X:
?X: The cf_name dependency is used through list_sub when the mailing list
?X: manager happens to be listserv, whereas cf_email is used whith majordomo
?X: or when the mailing list request address is scanned by a human. Since
?X: they do not appear within the unit itself, we need a lint hint.
?X:
?LINT:use cf_name cf_email
: offer to join the mailing list
list_request='<$list_request>'
list_sub="<$list_sub>"
list_unsub="<$list_unsub>"
list_name="<$list_name>"
```

```
$cat <<EOM

There is a mailing list for discussion about $package and related issues.
This is the preferred place to ask questions about the program and discuss
modifications and additions with the author and other users.  If you are able
to send mail to the Internet, you
 are encouraged to subscribe.  You need only
ever subscribe once, and you can unsubscribe automatically at any time in the
future.  If you have already subscribed and you wish to unsubscribe now, you
may do so by answering "unsubscribe".  Answer "subscribe" to subscribe to the
list.

EOM
rp="Subscribe to or unsubscribe from the $list_name mailing list?"
dflt=neither
. ./myread
case "$ans" in
[sS]*) $cat <<EOM

You will be sent a message from the list server to let you know when your
subscription has been successful and telling you how to submit articles and
how to unsubscribe again when necessary. You may also unsubscribe by running
this script again and asking it to do so for you.

EOM
 echo "Sending mail to subscribe you to the $list_name list..." >&4
 $mailer $list_request <<EOM >/dev/null 2>&1
Precedence: junk
To: $list_request

$list_sub
EOM
 ;;
[uU]*) echo "Sending mail to unsubscribe you from the $list_name list..." >&4
 $mailer $list_request <<EOM >/dev/null 2>&1
Precedence: junk
To:
 $list_request

$list_unsub
EOM
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/MailList.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: maildir.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: maildir.U,v $
?RCS: Revision 3.0.1.1  1993/12/15  08:21:56  ram
?RCS: patch15: now also looks under /var/mail for BSD/386
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:09  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:maildir maildirexp: Getfile Loc Oldconfig
?MAKE: -pick add $@ %<
?S:maildir:
?S: This variable contains the name of the directory in which mail is
?S: spooled. Programs using this variable must be prepared to deal with
?S: ~name
 substitutions.
?S:.
?S:maildirexp:
?S: This is the same as the maildir variable, but is filename expanded
?S: at configuration time, for programs not willing to deal with it at
?S: run-time.
?S:.
: determine where mail is spooled
case "$maildir" in
") dflt=`./loc . /usr/spool/mail /usr/spool/mail /usr/mail /var/mail`;;
*) dflt="$maildir";;
esac
echo " "
fn=d~
rp='Where is yet-to-be-read mail spooled?'
. ./getfile
maildir="$ans"
maildirexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/maildir.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: package.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: package.U,v $
?RCS: Revision 3.0.1.3  1994/10/29  16:27:21  ram
?RCS: patch36: beware of non-ascii character sets when translating case
?RCS:
?RCS: Revision 3.0.1.2  1993/11/10  17:37:02  ram
?RCS: patch14: skip definition of spackage if not otherwise used
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:11:10  ram
?RCS: patch10: added spackage, suitable for starting sentences
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:28  ram
?RCS: Baseline for dist 3.0
 netwide release.
?RCS:
?MAKE:package spackage: Nothing
?MAKE: -pick wipe $@ %<
?S:package:
?S: This variable contains the name of the package being constructed.
?S: It is primarily intended for the use of later Configure units.
?S:.
?S:spackage:
?S: This variable contains the name of the package being constructed,
?S: with the first letter uppercased, i.e. suitable for starting
?S: sentences.
?S:.
?X: dist-4 has defined PACKAGE: here, which clashes with perly.h
?X:  as package is a reserved keyword in perl
?T:first last
: set package name
package='<PACKAGENAME>'
@if spackage
first=`echo $package | sed -e 's/^\(.\).*/\1/'`
last=`echo $package | sed -e 's/^.\(.*\)/\1/'`
?X:
?X: So early in the Configure script, we don't have ./tr set up and can't
?X: include Tr in our dependency or that would create a cycle. Therefore,
```

```
?X: we have to somehow duplicate the work done in Tr. That's life.
?X:
case "`echo AbyZ | tr '[:lower:]' '[:upper:]' 2>/dev/null`"-"`echo AbyZ | tr '[:upper:]' '[:lower:]'
 2>/dev/null`" in
ABYZ-abyz) spackage=`echo $first | tr '[:lower:]' '[:upper:]'`$last;;
*) spackage=`echo $first | tr '[a-z]' '[A-Z]'`$last;;
esac
@end
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/package.U
No license file was found, but licenses were detected in source scan.

```
# $Id: makedepend.sh,v 3.0.1.1 1994/01/24 14:00:05 ram Exp ram $
#
#  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
#  You may redistribute only under the terms of the Artistic Licence,
#  as specified in the README file that comes with the distribution.
#  You may reuse parts of this distribution only within the terms of
#  that same Artistic Licence; a copy of which may be found at the root
#  of the source tree for dist 4.0.
#
# Original Author: Larry Wall <lwall@netlabs.com>
#
# $Log: makedepend.sh,v $
# Revision 3.0.1.1  1994/01/24  14:00:05  ram
# patch16: changed top ln-style config.sh lookup into test-style one
#
# Revision 3.0  1993/08/18  12:04:37  ram
# Baseline for dist 3.0 netwide release.
#
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/makedepend.SH
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Csym.U,v 3.0.1.4 1995/07/25 13:36:29 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
?RCS: $Log: Csym.U,v $
?RCS: Revision 3.0.1.4  1995/07/25  13:36:29  ram
?RCS: patch56: re-arranged compile line to include ldflags before objects
?RCS: patch56: added quotes for OS/2 support
?RCS:
?RCS: Revision 3.0.1.3  1995/05/12  12:00:33  ram
?RCS: patch54: fixed C test program to bypass gcc builtin type checks (ADO)
?RCS:
?RCS: Revision 3.0.1.2  1994/10/31  09:34:13  ram
?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U
?RCS:
?RCS: Revision
 3.0.1.1  1993/08/25  14:00:05  ram
?RCS: patch6: added ldflags as a conditional dependency and to compile line
?RCS: patch6: a final double quote was missing in csym variable after eval
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:50  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:Csym mistrustnm extern_C: Options contains libc libs runnm test \
 +cc +optimize +ccflags +ldflags run rm_try _exe d_cplusplus
?MAKE: -pick add $@ %<
?LINT:define csym
?LINT:use libc
?LINT:extern mistrustnm
?LINT:set mistrustnm
?S:csym:
?S: This shell variable is used internally by Configure to check
?S: whether a given C symbol is defined or not. A typical use is:
?S:  set symbol result [-fva] [previous]
?S:  eval $csym
?S: That will set result to 'true' if the function [-f], variable [-v]
?S: or array [-a] is defined, 'false' otherwise. If a previous value is
?S: given and the -r flag was provided on the command line, that value
?S: is reused without questioning.
?S:.
?S:extern_C:
?S: ANSI C
 requires 'extern' where C++ requires 'extern "C"'. This
?S: variable can be used in Configure to do the right thing.
?S:.
?S:mistrustnm:
?S: This variable can be used to establish a fallthrough for the cases
?S: where nm fails to find a symbol.  If usenm is false or usenm is true
?S: and mistrustnm is false, this variable has no effect.  If usenm is true
?S: and mistrustnm is "compile", a test program will be compiled to try to
?S: find any symbol that can't be located via nm lookup.  If mistrustnm is
```

```
?S: "run", the test program will be run as well as being compiled.
?S:.
?V:csym
?T:tval tx tlook tf tdc
?F:!try
: is a C symbol defined?
csym='tlook=$1;
case "$3" in
-v) tf=libc.tmp; tdc="";;
-a) tf=libc.tmp; tdc="[]";;
*) tlook="^$1\$"; tf=libc.list; tdc="()";;
esac;
case "$d_cplusplus" in
   $define) extern_C="extern \"C\"" ;;
   *)  extern_C="extern" ;;
esac;
tx=yes;
case "$reuseval-$4" in
true-) ;;
true-*) tx=no; eval "tval=\$$4"; case "$tval" in "") tx=yes;; esac;;
esac;
case "$tx"
 in
yes)
?X:
?X: Put symbol inside a printf to fool optimizing compilers...
?X:
?X: We use 'short' instead of 'int' to try to circumvent overzealous
?X: optimizing compilers using built-in prototypes for commonly used
?X: routines to complain when seeing a different external declaration. For
?X: instance, gcc 2.6.3 fails if we use 'int' and we attempt a test against
?X: memcpy() on machines where sizeof(int) == sizeof(char *) (the usual return
?X: type), the compiler assuming it's a built-in declaration given that the
?X: returned size matches. At least with 'short' we are safe! -- RAM, for ADO
?X:
?X: Let's thank GNU cc for making our lives so easy! :-)
?X: (An alternative for the future would be to use our knowledge about gcc
?X: to force a -fno-builtin option in the compile test, in case the 'short'
?X: trick is obsoleted by future gcc releases). -- RAM
?X:
 tval=false;
 if $test "$runnm" = true; then
  if $contains $tlook $tf >/dev/null 2>&1; then
   tval=true;
  elif $test "$mistrustnm"
 = compile -o "$mistrustnm" = run; then
   echo "$extern_C void *$1$tdc; void *(*(p()))$tdc { return &$1; } int main(int argc, char **argv) { if(p() && p() !=
(void *)argv[0]) return(0); else return(1); }"> try.c;
```

```
  $cc -o try $optimize $ccflags $ldflags try.c >/dev/null 2>&1 $libs && tval=true;
  $test "$mistrustnm" = run -a -x try && { $run ./try$_exe >/dev/null 2>&1 || tval=false; };
  $rm_try;
 fi;
else
 echo "$extern_C void *$1$tdc; void *(*(p()))$tdc { return &$1; } int main(int argc, char **argv) { if(p() && p() !=
(void *)argv[0]) return(0); else return(1); }"> try.c;
 $cc -o try $optimize $ccflags $ldflags try.c $libs >/dev/null 2>&1 && tval=true;
 $rm_try;
fi;
;;
*)
case "$tval" in
$define) tval=true;;
*) tval=false;;
esac;
;;
esac;
eval "$2=$tval"'
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/Csym.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Filexp.U,v $
?RCS: Revision 3.0.1.2  1994/10/29  15:52:53  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS: patch36: added HOME to the ?T: line since metalint now checks ${HOME}
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  14:03:00  ram
?RCS: patch23: made sure error status from csh is propagated (WED)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:53  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a shell script which will expand filenames beginning
```

```
?X:
 with tildes.  The script is deleted at the end of Configure.
?X:
?MAKE:Filexp: startsh sed test expr eunicefix
?MAKE: -pick add $@ %<
?F:./filexp
?T:HOME LOGDIR dir me name failed
: set up shell script to do ~ expansion
cat >filexp <<EOSS
$startsh
: expand filename
?X:
?X: The case entries below escape the ~ as some shells have shown expansion
?X: of the ~ during here-doc processing.
?X:
case "\$1" in
\~/*|\~)
 echo \$1 | $sed "s|~|\${HOME-\$LOGDIR}|"
 ;;
\~*)
 if $test -f /bin/csh; then
  /bin/csh -f -c "glob \$1"
  failed=\$?
  echo ""
  exit \$failed
 else
  name=\`$expr x\$1 : '..\([^/]*\)'\`
  dir=\`$sed -n -e "/^\${name}:/{s/^[^:]*:[^:]*:[^:]*:[^:]*:[^:]*:[^:]*:\([^:]*\).*""\$"/\1/" -e p -e q -e '}' </etc/passwd\`
  if $test ! -d "\$dir"; then
   me=\`basename \$0\`
   echo "\$me: can't locate home directory for: \$name" >&2
   exit 1
  fi
  case "\$1" in
  */*)
   echo \$dir/\`$expr x\$1 : '..[^/]*/\(.*\)'\`
   ;;
  *)
   echo \$dir
   ;;
  esac
 fi
 ;;
*)
 echo \$1
 ;;
esac
EOSS
```

```
chmod
 +x filexp
$eunicefix filexp
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Filexp.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Warn.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extract.U,v $
?X:
?X: This unit produces a shell script which can be run in order to emit
?X: an important warning to the user, which will be remembered and shown
?X: at the end of the Configure run as well.
?X:
?X: A typical use would be:
?X:
?X:  ./warn <<EOM
?X:  Problem with your C compiler: can't turn debugging on.
?X:  EOM
?X:
?X: or:
?X:
?X:  ./warn "Problem with your C compiler: can't turn debugging on."
?X:
?X: Which will both display to the user:
?X:
?X:  ***
 WARNING:
?X:  *** Problem with your C compiler: can't turn debugging on.
?X:  ***
?X:
?MAKE:Warn: startsh eunicefix
?MAKE: -pick add $@ %<
?F:./warn
: script used to emit important warnings
cat >warn <<EOS
$startsh
```

```
?X: Read the whole warning message from stdin into a temporary file
?X: when no argument was supplied.
if test \$# -gt 0; then
 echo "\$@" >msg
else
 cat >msg
fi
?X: Emit the warning, prefixing all lines with '*** '
echo "*** WARNING:" >&4
sed -e 's/^/*** /' <msg >&4
echo "*** " >&4
?X: Save the warning in the logs, which will be shown again at the end
cat msg >>config.msg
echo " " >>config.msg
rm -f msg
EOS
chmod +x warn
$eunicefix warn
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Warn.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: afs.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: afs.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  15:23:06  ram
?RCS: patch61: can now explicitly tell Configure whether AFS is running
?RCS:
?RCS: Revision 3.0.1.1  1993/08/24  12:24:43  ram
?RCS: patch3: created
?RCS:
?MAKE:afs afsroot: test
?MAKE: -pick add $@ %<
?S:afs:
?S: This variable is set to 'true' if AFS (Andrew File System) is used
?S: on the system, 'false' otherwise.  It is possible to override this
?S: with a hint value or command line option,
```

```
 but you'd better know
?S: what you are doing.
?S:.
?S:afsroot:
?S: This variable is by default set to '/afs'. In the unlikely case
?S: this is not the correct root, it is possible to override this with
?S: a hint value or command line option.  This will be used in subsequent
?S: tests for AFSness in the configure and test process.
?S:.
: allow them to override the AFS root
case "$afsroot" in
") afsroot=/afs ;;
*) afsroot=$afsroot ;;
esac

: is AFS running?
echo " "
case "$afs" in
$define|true) afs=true ;;
$undef|false) afs=false ;;
*) if $test -d $afsroot; then
  afs=true
 else
  afs=false
 fi
 ;;
esac
if $afs; then
 echo "AFS may be running... I'll be extra cautious then..." >&4
else
 echo "AFS does not seem to be running..." >&4
fi
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/afs.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: etc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
```

```
?RCS: $Log: etc.U,v $
?RCS: Revision 3.0  1993/08/18  12:08:07  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:etc etcexp: Getfile Loc Oldconfig
?MAKE: -pick add $@ %<
?S:etc:
?S: This variable holds the name of the directory in which the user wants
?S: to put "administrative" executable images for the package in question.
?S: It is most often a local directory such as /usr/local/etc. Programs
?S: relying on this variable must be prepared to deal with
 ~name
?S: substitutions.
?S:.
?S:etcexp:
?S: This is the same as the etc variable, but is filename expanded at
?S: configuration time, for convenient use in makefiles.
?S:.
: determine where administrative executables go
case "$etc" in
")
 dflt=`./loc . /local/etc /usr/local/etc /local/etc /usr/etc /etc`
 ;;
*)
 dflt="$etc"
 ;;
esac
fn=d~
rp='Where should the administrative executables go?'
. ./getfile
etc="$ans"
etcexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/etc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: startsh.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
```

```
?RCS: $Log: startsh.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:25:31  ram
?RCS: patch61: avoid needless chatter since this is now done very early
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:51  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:startsh: sh sharpbang eunicefix
?MAKE: -pick add $@ %<
?S:startsh:
?S: This variable contains the string to put on the front of a shell
?S: script to make sure (hopefully) that it runs with sh and not some
?S: other
 shell.
?S:.
?F:!sharp
: figure out how to guarantee sh startup
?X: Avoid needless chatter since this is now done very early.
?X: echo " "
?X: echo "Checking out how to guarantee sh startup..." >&2
case "$startsh" in
") startsh=${sharpbang}${sh} ;;
*)
?X: echo "Let's see if '$startsh' works..." ;;
esac
cat >sharp <<EOSS
$startsh
set abc
test "$?abc" != 1
EOSS

chmod +x sharp
$eunicefix sharp
if ./sharp; then
 : echo "Yup, it does."
else
 echo "Hmm... '$startsh' does not guarantee sh startup..."
 echo "You may have to fix up the shell scripts to make sure $sh runs them."
fi
rm -f sharp
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/startsh.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: lib.U,v $
?RCS: Revision 3.0.1.3  1995/09/25  09:16:47  ram
?RCS: patch59: unit is now forced to the top of Configure, if possible
?RCS:
?RCS: Revision 3.0.1.2  1995/01/30  14:38:08  ram
?RCS: patch49: can now handle installation prefix changes (from WED)
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:27:40  ram
?RCS: patch32: now uses installation prefix to set the default
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:56  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:lib libexp: Getfile
 Loc Oldconfig Prefixit Prefixup prefixexp
?MAKE: -pick add $@ %<
?Y:TOP
?S:lib:
?S: This variable holds the name of the directory in which the user wants
?S: to put public library files for the package in question.  It is most
?S: often a local directory such as /usr/local/lib. Programs using this
?S: variable must be prepared to deal with filename expansion.
?S:.
?S:libexp:
?S: This variable is the same as the lib variable, but is filename expanded
?S: at configuration time, for convenient use in your makefiles.
?S:.
: determine where public libraries go
set lib lib
eval $prefixit
case "$lib" in
")
 dflt=`./loc . "." $prefixexp/lib /usr/local/lib /usr/lib /lib`
 set dflt
 eval $prefixup
 ;;
*)  dflt="$lib";;
esac
echo " "
fn=d~
```

```
rp='Where do you want to put the public libraries?'
. ./getfile
lib="$ans"
libexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/lib.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?X: This unit generates a $hasstruct string that is used internally
?X: by Configure to check if this system has a field for a
?X: particular struct (of if this system has a particular struct!)
?X:
?X: To use it, say something like:
?X:  set d_statblocks stat i_sysstat sys/stat.h
?X:  eval $hasstruct
?X: Or, for more complicated sets of headers, do something like
?X: hdrs="$define sys/foo.h
?X:  $i_sysbar sys/bar.h
?X:  $i_syszot sys/zot.h
?X:  $i_zappa zappa.h"
?X: set d_statblocks stat $hdrs
?X: eval $hasstruct
?X:
?MAKE:Hasstruct: Setvar rm_try test Compile
?MAKE: -pick add $@ %<
?T:varname struct
?V:hasstruct
: Define hasstruct macro for Configure internal use
hasstruct='varname=$1; struct=$2; shift;
 shift;
while $test $# -ge 2; do
 case "$1" in
 $define) echo "#include <$2>";;
 esac ;
   shift 2;
done > try.c;
echo "int main () { struct $struct foo; }" >> try.c;
set try;
if eval $compile; then
```

```
 val="$define";
else
 val="$undef";
fi;
set $varname;
eval $setvar;
$rm_try'
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/protos/Hasstruct.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: h_sysfile.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: h_sysfile.U,v $
?RCS: Revision 3.0  1993/08/18  12:08:13  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:h_sysfile: Nothing
?MAKE: -pick add $@ %<
?S:h_sysfile:
?S: This is variable gets set in various places to tell i_sys_file that
?S: <sys/file.h> should be included.
?S:.
: Initialize h_sysfile
h_sysfile=false
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/h_sysfile.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:siteman3dir siteman3direxp installsiteman3dir: Getfile \
 Setprefixvar prefix siteprefix man3dir sed
?MAKE: -pick add $@ %<
?Y:TOP
?D:siteman3dir="
?S:siteman3dir:
?S: This variable contains the name of the directory in which site-specific
?S: library man source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S: The standard distribution will put nothing in this directory.
?S: After
 perl has been installed, users may install their own local
?S: man3 pages in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:siteman3direxp="
?S:siteman3direxp:
?S: This variable is the same as the siteman3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installsiteman3dir="
?S:installsiteman3dir:
?S: This variable is really the same as siteman3direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man3direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installsiteman3dir
?LINT:set siteman3dir
?LINT:set siteman3direxp
: determine where add-on library man pages go
case "$siteman3dir" in
") dflt=`echo $man3dir | $sed "s#^$prefix#$siteprefix#"` ;;
*) dflt=$siteman3dir ;;
esac
case "$dflt" in
"|' ') dflt=none ;;
esac
fn=dn+~
rp='Pathname
 where the site-specific library manual pages should be installed?'
. ./getfile
```

prefixvar=siteman3dir
. ./setprefixvar

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/siteman3dir.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: d_group.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_group.U,v $
?RCS: Revision 3.0.1.2 1997/02/28 15:34:52 ram
?RCS: patch61: useless unit dropped.
?RCS:
?RCS: Revision 3.0.1.1 1994/08/29 16:07:48 ram
?RCS: patch32: created by ADO
?RCS:
?X:
?X: Useless unit dropped.
?X:
?LINT:empty

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_group.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: Warn_v7ND.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Warn_v7ND.U,v $

```
?RCS: Revision 3.0.1.1  1994/10/29  16:01:46  ram
?RCS: patch36: call ./v7 explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:18  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit warns V7 sites that they may not have a non-blocking read.
?X: This unit needs to be mentioned in End.U to get included.
?X:
?MAKE:Warn_v7ND: package Guess
?MAKE: -pick add $@ %<
: Warnings
if ./v7; then
 cat
 <<EOM

NOTE: many V7 systems do not have a way to do a non-blocking read.  If you
don't have any of FIONREAD, O_NDELAY, or rdchk(), the $package package
may not work as well as it might.  It might not work at all.
EOM
fi
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Warn_v7ND.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: nis.U,v 3.0.1.3 1997/02/28 16:17:38 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: nis.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  16:17:38  ram
?RCS: patch61: ensure suitable defaults for hostcat and friends
?RCS:
?RCS: Revision 3.0.1.2  1995/03/21  08:48:34  ram
?RCS: patch52: continued fix for NeXT NIS/NetInfo handling
?RCS:
?RCS: Revision 3.0.1.1  1995/02/15  14:16:23  ram
?RCS: patch51: now correctly handles NeXT using NIS rather than NetInfo
?RCS:
```

```
?RCS: Revision 3.0  1993/08/18  12:09:24  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:passcat
 groupcat hostcat: Myread Oldconfig test contains
?MAKE: -pick add $@ %<
?S:passcat:
?S: This variable contains a command that produces the text of the
?S: /etc/passwd file.  This is normally "cat /etc/passwd", but can be
?S: "ypcat passwd" when NIS is used.
?S: On some systems, such as os390, there may be no equivalent
?S: command, in which case this variable is unset.
?S:.
?S:groupcat:
?S: This variable contains a command that produces the text of the
?S: /etc/group file.  This is normally "cat /etc/group", but can be
?S: "ypcat group" when NIS is used.
?S: On some systems, such as os390, there may be no equivalent
?S: command, in which case this variable is unset.
?S:.
?S:hostcat:
?S: This variable contains a command that produces the text of the
?S: /etc/hosts file.  This is normally "cat /etc/hosts", but can be
?S: "ypcat hosts" when NIS is used.
?S: On some systems, such as os390, there may be no equivalent
?S: command, in which case this variable is unset.
?S:.
:
 see if we have to deal with yellow pages, now NIS.
?X: NeXT gives us some fun here, as always, by having both NIS (former YP)
?X: and NetInfo. But since it has both, it's ok to put the test inside the if.
?X: Contributed by Thomas Neumann <tom@smart.bo.open.de>.
if $test -d /usr/etc/yp || $test -d /etc/yp || $test -d /usr/lib/yp; then
@if passcat || groupcat
 case "$passcat" in
 nidump*) ;;
 *)
  case "$passcat" in
  *ypcat*) dflt=y;;
  ") if $contains '^\+' /etc/passwd >/dev/null 2>&1; then
    dflt=y
   else
    dflt=n
   fi;;
  *) dflt=n;;
  esac
  echo " "
  rp='Are you getting the passwd file via yellow pages?'
```

```
  . ./myread
  case "$ans" in
  y*) passcat='ypcat passwd'
@if groupcat
   echo "(Assuming /etc/group is also distributed.)"
   groupcat='ypcat group'
@end
   ;;
  *) passcat='cat /etc/passwd'
@if groupcat
   echo "(Assuming /etc/group is also local.)"
   groupcat='cat /etc/group'
@end
   ;;
  esac
  ;;
 esac
@end
@if hostcat
 case "$hostcat" in
 nidump*) ;;
 *)
  case
 "$hostcat" in
  *ypcat*) dflt=y;;
  ") if $contains '^\+' /etc/passwd >/dev/null 2>&1; then
    dflt=y
   else
    dflt=n
   fi;;
  *) dflt=n;;
  esac
  echo " "
  rp='Are you getting the hosts file via yellow pages?'
  . ./myread
  case "$ans" in
  y*) hostcat='ypcat hosts';;
  *) hostcat='cat /etc/hosts';;
  esac
  ;;
 esac
@end
fi
?X: Ensure suitable default -- Manoj Srivastava
case "$hostcat" in
") test -f /etc/hosts && hostcat='cat /etc/hosts';;
esac
case "$groupcat" in
```

```
") test -f /etc/group && groupcat='cat /etc/group';;
esac
case "$passcat" in
") test -f /etc/passwd && passcat='cat /etc/passwd';;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/nis.U
No license file was found, but licenses were detected in source scan.

```
#  You may redistribute only under the terms of the Artistic Licence,
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/makegloss
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/errnolist.mk
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/bindex
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/files/fixcpp
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: installstyle.U,v 1.2 1999/07/13 14:56:06 doughera Exp $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: installstyle.U,v $
?RCS: Revision 1.2  1999/07/13 14:56:06  doughera
?RCS: Fix dependencies.  Add more comments.
?RCS:
?RCS: Revision 1.1  1999/07/12 17:30:41  doughera
?RCS: Initial revision
?RCS:
?RCS:
?MAKE:installstyle: prefix Myread
?MAKE: -pick add $@ %<
?X: Myread dependence is for dflt.
?S:installstyle:
?S: This variable describes the "style" of the perl installation.
?S: This is intended to be useful for tools that need to
```

```
?S: manipulate entire perl
 distributions.  Perl itself doesn't use
?S: this to find its libraries -- the library directories are
?S: stored directly in Config.pm.  Currently, there are only two
?S: styles:  "lib" and "lib/perl5".  The default library locations
?S: (e.g. privlib, sitelib) are either $prefix/lib or
?S: $prefix/lib/perl5.  The former is useful if $prefix is a
?S: directory dedicated to perl (e.g. /opt/perl), while the latter
?S: is useful if $prefix is shared by many packages, e.g. if
?S: $prefix=/usr/local.
?S:
?S: Unfortunately, while this "style" variable is used to set
?S: defaults for all three directory hierarchies (core, vendor, and
?S: site), there is no guarantee that the same style is actually
?S: appropriate for all those directories.  For example, $prefix
?S: might be /opt/perl, but $siteprefix might be /usr/local.
?S: (Perhaps, in retrospect, the "lib" style should never have been
?S: supported, but it did seem like a nice idea at the time.)
?S:
?S: The situation is even less clear for
 tools such as MakeMaker
?S: that can be used to install additional modules into
?S: non-standard places.  For example, if a user intends to install
?S: a module into a private directory (perhaps by setting PREFIX on
?S: the Makefile.PL command line), then there is no reason to
?S: assume that the Configure-time $installstyle setting will be
?S: relevant for that PREFIX.
?S:
?S: This may later be extended to include other information, so
?S: be careful with pattern-matching on the results.
?S:
?S: For compatibility with perl5.005 and earlier, the default
?S: setting is based on whether or not $prefix contains the string
?S: "perl".
?S:.
: determine installation style
: For now, try to deduce it from prefix unless it is already set.
: Reproduce behavior of 5.005 and earlier, maybe drop that in 5.7.
case "$installstyle" in
") case "$prefix" in
  *perl*) dflt='lib';;
  *) dflt='lib/perl5' ;;
 esac
 ;;
*) dflt="$installstyle" ;;
esac
: Probably not worth prompting for this since we prompt
```

```
 for all
: the directories individually, and the prompt would be too long and
: confusing anyway.
installstyle=$dflt
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/installstyle.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:sitehtml1dir sitehtml1direxp installsitehtml1dir: Getfile \
 Setprefixvar prefix siteprefix html1dir sed
?MAKE: -pick add $@ %<
?Y:TOP
?D:sitehtml1dir=''
?S:sitehtml1dir:
?S: This variable contains the name of the directory in which site-specific
?S: html source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S: The standard distribution will put nothing in this directory.
?S: After perl
 has been installed, users may install their own local
?S: html pages in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:sitehtml1direxp=''
?S:sitehtml1direxp:
?S: This variable is the same as the sitehtml1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installsitehtml1dir=''
?S:installsitehtml1dir:
?S: This variable is really the same as sitehtml1direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: html1direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
```

```
?S:.
?LINT:change prefixvar
?LINT:set installsitehtml1dir
?LINT:set sitehtml1dir
?LINT:set sitehtml1direxp
: determine where add-on html pages go
: There is no standard location, so try to copy the previously-selected
: directory structure for the core html pages.
case "$sitehtml1dir" in
")
   dflt=`echo "$html1dir" | $sed "s#^$prefix#$siteprefix#"` ;;
*)     dflt=$sitehtml1dir ;;
esac
case "$dflt" in
"|' ') dflt=none ;;
esac
fn=dn+~
rp='Pathname where the site-specific html pages should be installed?'
. ./getfile
prefixvar=sitehtml1dir
. ./setprefixvar
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/sitehtml1dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: patchlevel.U,v 3.0.1.1 1997/02/28 16:18:41 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: This file is included with or a derivative work of a file included
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.
?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS:
?RCS:     You may distribute under the terms of either the GNU General Public
?RCS:     License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: patchlevel.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:18:41  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:31  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:patchlevel revision version subversion \
 perl_patchlevel version_patchlevel_string \
 api_revision api_version api_subversion api_versionstring: \
```

```
 package test rsrc echo awk osname
?MAKE: -pick
 add $@ %<
?S:revision:
?S: The value of revision comes from the patchlevel.h file.
?S: In a version number such as 5.6.1, this is the "5".
?S: In patchlevel.h, this is referred to as "PERL_REVISION".
?S:.
?S:patchlevel:
?S: The patchlevel level of this package.
?S: The value of patchlevel comes from the patchlevel.h file.
?S: In a version number such as 5.6.1, this is the "6".
?S: In patchlevel.h, this is referred to as "PERL_VERSION".
?S:.
?S:subversion:
?S: The subversion level of this package.
?S: The value of subversion comes from the patchlevel.h file.
?S: In a version number such as 5.6.1, this is the "1".
?S: In patchlevel.h, this is referred to as "PERL_SUBVERSION".
?S: This is unique to perl.
?S:.
?S:version:
?S: The full version number of this package, such as 5.6.1 (or 5_6_1).
?S: This combines revision, patchlevel, and subversion to get the
?S: full version number, including any possible subversions.
?S: This is suitable for use as a directory name, and hence is
?S: filesystem
 dependent.
?S:.
?S:api_revision:
?S: The three variables, api_revision, api_version, and
?S: api_subversion, specify the version of the oldest perl binary
?S: compatible with the present perl.  In a full version string
?S: such as '5.6.1', api_revision is the '5'.
?S: Prior to 5.5.640, the format was a floating point number,
?S: like 5.00563.
?S:
?S: perl.c:incpush() and lib/lib.pm will automatically search in
?S: $sitelib/.. for older directories back to the limit specified
?S: by these api_ variables.  This is only useful if you have a
?S: perl library directory tree structured like the default one.
?S: See INSTALL for how this works.  The versioned site_perl
?S: directory was introduced in 5.005, so that is the lowest
?S: possible value.  The version list appropriate for the current
?S: system is determined in inc_version_list.U.
?S:
?S: XXX To do:  Since compatibility can depend on compile time
?S: options (such as bincompat, longlong, etc.) it should
```

```
?S: (perhaps) be set by
 Configure, but currently it isn't.
?S: Currently, we read a hard-wired value from patchlevel.h.
?S: Perhaps what we ought to do is take the hard-wired value from
?S: patchlevel.h but then modify it if the current Configure
?S: options warrant.  patchlevel.h then would use an #ifdef guard.
?S:.
?S:api_version:
?S: The three variables, api_revision, api_version, and
?S: api_subversion, specify the version of the oldest perl binary
?S: compatible with the present perl.  In a full version string
?S: such as '5.6.1', api_version is the '6'.  See api_revision for
?S: full details.  As a special case, 5.5.0 is rendered in the
?S: old-style as 5.005.  (In the 5.005_0x maintenance series,
?S: this was the only versioned directory in $sitelib.)
?S:.
?S:api_subversion:
?S: The three variables, api_revision, api_version, and
?S: api_subversion, specify the version of the oldest perl binary
?S: compatible with the present perl.  In a full version string
?S: such as '5.6.1', api_subversion is the
 '1'.  See api_revision for
?S: full details.
?S:.
?S:api_versionstring:
?S: This variable combines api_revision, api_version, and
?S: api_subversion in a format such as 5.6.1 (or 5_6_1) suitable
?S: for use as a directory name.  This is filesystem dependent.
?S:.
?S:perl_patchlevel:
?S: This is the Perl patch level, a numeric change identifier,
?S: as defined by whichever source code maintenance system
?S: is used to maintain the patches; currently Perforce.
?S: It does not correlate with the Perl version numbers or
?S: the maintenance versus development dichotomy except
?S: by also being increasing.
?S:.
?S:version_patchlevel_string:
?S: This is a string combining version, subversion and
?S: perl_patchlevel (if perl_patchlevel is non-zero).
?S: It is typically something like
?S: 'version 7 subversion 1'  or
?S: 'version 7 subversion 1 patchlevel 11224'
?S: It is computed here to avoid duplication of code in myconfig.SH
?S: and lib/Config.pm.
?S:.
?LINT:extern LC_ALL
?LINT:extern LANGUAGE
```

```
:
 get the patchlevel
echo " "
echo "Getting the current patchlevel..." >&4
if $test -r $rsrc/patchlevel.h;then
 revision=`awk '/define[  ]+PERL_REVISION/ {print $3}' $rsrc/patchlevel.h`
 patchlevel=`awk '/define[  ]+PERL_VERSION/ {print $3}' $rsrc/patchlevel.h`
 subversion=`awk '/define[  ]+PERL_SUBVERSION/ {print $3}' $rsrc/patchlevel.h`
 api_revision=`awk '/define[  ]+PERL_API_REVISION/ {print $3}' $rsrc/patchlevel.h`
 api_version=`awk '/define[  ]+PERL_API_VERSION/ {print $3}' $rsrc/patchlevel.h`
 api_subversion=`awk '/define[  ]+PERL_API_SUBVERSION/ {print $3}' $rsrc/patchlevel.h`
 perl_patchlevel=`egrep ',"(MAINT|SMOKE)[0-9][0-9]*"' $rsrc/patchlevel.h|tail -1|sed 's/[^0-9]//g'`
else
 revision=0
 patchlevel=0
 subversion=0
 api_revision=0
 api_version=0
 api_subversion=0
 perl_patchlevel=0
 $echo "(You do not have patchlevel.h.  Eek.)"
fi
: Define a handy string here to avoid duplication in myconfig.SH and configpm.
version_patchlevel_string="version $patchlevel subversion $subversion"
case
 "$perl_patchlevel" in
0|'') ;;
*)  perl_patchlevel=`echo $perl_patchlevel | sed 's/.* //'`
   version_patchlevel_string="$version_patchlevel_string patch $perl_patchlevel"
   ;;
esac

$echo "(You have $package $version_patchlevel_string.)"

case "$osname" in
dos|vms)
 : XXX Should be a Configure test for double-dots in filenames.
 version=`echo $revision $patchlevel $subversion | \
   $awk '{ printf "%d_%d_%d", $1, $2, $3 }'`
 api_versionstring=`echo $api_revision $api_version $api_subversion | \
   $awk '{ printf "%d_%d_%d", $1, $2, $3 }'`
 ;;
*)
 version=`echo $revision $patchlevel $subversion | \
   $awk '{ printf "%d.%d.%d", $1, $2, $3 }'`
 api_versionstring=`echo $api_revision $api_version $api_subversion | \
   $awk '{ printf "%d.%d.%d", $1, $2, $3 }'`
 ;;
```

```
esac
: Special case the 5.005_xx maintenance series, which used 5.005
: without any subversion label as a subdirectory in $sitelib
if test "${api_revision}${api_version}${api_subversion}" = "550"; then
 api_versionstring='5.005'
fi
```

Found
 in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/patchlevel.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libc.U,v $
?RCS: Revision 3.0.1.10  1997/02/28  15:56:48  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS: patch61: added support for HPUX-10 nm output
?RCS:
?RCS: Revision 3.0.1.9  1995/07/25  14:11:56  ram
?RCS: patch56: now knows about OS/2 platforms
?RCS:
?RCS: Revision 3.0.1.8  1995/05/12  12:20:47  ram
?RCS: patch54: made sure only most recent version of shared lib is picked
?RCS: patch54: final "nm -p" check now uses xscan and xrun like everybody
?RCS: patch54: can now grok
 linux nm output with lead __IO (ADO)
?RCS: patch54: added support for linux ELF output, using 'W' for alias (ADO)
?RCS:
?RCS: Revision 3.0.1.7  1994/10/29  16:23:40  ram
?RCS: patch36: now looks for shared libraries before anything else (ADO)
?RCS: patch36: added new nm output format (ADO)
?RCS:
?RCS: Revision 3.0.1.6  1994/08/29  16:28:10  ram
?RCS: patch32: added I-type symbols for nm output parsing on Linux
?RCS:
?RCS: Revision 3.0.1.5  1994/06/20  07:03:24  ram
?RCS: patch30: checks are now presented by succession of if/elif
?RCS: patch30: uniformized checks for shared objects with new so symbol
```

```
?RCS:
?RCS: Revision 3.0.1.4  1994/05/06  15:06:33  ram
?RCS: patch23: added shared library knowledge (ADO and WED)
?RCS:
?RCS: Revision 3.0.1.3  1994/01/24  14:12:17  ram
?RCS: patch16: can now export nm_extract as an internal-use only variable
?RCS:
?RCS: Revision 3.0.1.2  1993/09/13  16:09:03  ram
?RCS: patch10: added special handling for Apollo systems (WAD)
?RCS:
?RCS: Revision 3.0.1.1
  1993/08/27  14:40:03  ram
?RCS: patch7: added entry for /usr/shlib/libc.so (OSF/1 machines)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:57  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libc libnames +nm_extract: echo n c rm test grep Getfile Myread \
 Oldconfig Loc sed libs incpath libpth ar runnm nm nm_opt nm_so_opt \
 contains xlibpth so osname trnl tr sort uniq _o _a
?MAKE: -pick add $@ %<
?S:libc:
?S: This variable contains the location of the C library.
?S:.
?S:libnames:
?S: The constructed list of library names.  Normally empty, but hint files
?S: may set this for later perusal by Configure.
?S:.
?S:nm_extract:
?S: This variable holds the name of the extraction command used to process
?S: the output of nm and yield the list of defined symbols. It is used
?S: internally by Configure.
?S:.
?T:thislib try libnames xxx xscan xrun thisname com tans file
?F:!libnames !libc.tmp !tmp.imp
?LINT:change nm_opt runnm
?INIT:libnames=''
: Figure out where the libc is located
case
 "$runnm" in
true)
?X: indentation is wrong on purpose--RAM
: get list of predefined functions in a handy place
echo " "
case "$libc" in
'') libc=unknown
 case "$libs" in
 *-lc_s*) libc=`./loc libc_s$_a $libc $libpth`
```

```
 esac
 ;;
esac
case "$libs" in
") ;;
*)  for thislib in $libs; do
 case "$thislib" in
 -lc|-lc_s)
  : Handle C library specially below.
  ;;
 -l*)
  thislib=`echo $thislib | $sed -e 's/^-l//'`
  if try=`./loc lib$thislib.$so.'*' X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib.$so X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib$_a X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc $thislib$_a X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc $thislib X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc Slib$thislib$_a X $xlibpth`; $test -f "$try"; then
   :
  else
   try=''
  fi
  libnames="$libnames $try"
  ;;
 *) libnames="$libnames $thislib"
 ;;
 esac
 done
 ;;
esac
?X:
?X: Some systems (e.g. DG/UX) use "environmental" links, which make the test
?X: -f fail. Ditto for symbolic links. So in order to reliably check the
?X: existence of a file, we use test -r. It will still fail with DG/UX links
?X: though, but at least it will detect symbolic links. At some strategic
?X: points, we make use of (test -h), using a sub-shell in case builtin test
?X: does not implement the -h check for symbolic links. This makes it
?X: possible to preset libc in a hint file for instance and have it show up
?X: as-is in the question.
?X:
xxx=normal
```

```
case "$libc" in
unknown)
?X:
?X: The sed below transforms .so.9 .so.12 into something like .so.0009 .so.0012,
?X: then sorts on it to allow keeping .so.12 instead of .so.9 as the latest
?X: up-to-date library. The initial filename (before sed munging, saved in hold
?X: space via 'h') is appended via 'G' before sorting, then the leading munged
?X: part is removed after sorting. Nice efficient work
 from Tye McQueen.
?X: The initial blurfl is here to prevent the trailing pipe from producing an
?X: empty string, causing Configure to output all its set variables!
?X:
 set /lib/libc.$so
 for xxx in $libpth; do
  $test -r $1 || set $xxx/libc.$so
  : The messy sed command sorts on library version numbers.
  $test -r $1 || \
   set `echo blurfl; echo $xxx/libc.$so.[0-9]* | \
   tr ' ' $trnl | egrep -v '\.[A-Za-z]*$' | $sed -e '
    h
    s/[0-9][0-9]*/0000&/g
    s/0*\([0-9][0-9][0-9][0-9][0-9]\)/\1/g
    G
    s/\n/ /' | \
    $sort | $sed -e 's/^.* //'`
  eval set \$$#
 done
 $test -r $1 || set /usr/ccs/lib/libc.$so
 $test -r $1 || set /lib/libsys_s$_a
 ;;
*)
?X: ensure the test below for the (shared) C library will fail
 set blurfl
 ;;
esac
if $test -r "$1"; then
 echo "Your (shared) C library seems to be in $1."
 libc="$1"
elif $test -r /lib/libc && $test -r /lib/clib; then
?X:
?X: Apollo has its C library in /lib/clib AND /lib/libc
?X: not to mention its math library in /lib/syslib...
?X:
 echo
 "Your C library seems to be in both /lib/clib and /lib/libc."
 xxx=apollo
 libc='/lib/clib /lib/libc'
 if $test -r /lib/syslib; then
```

```
  echo "(Your math library is in /lib/syslib.)"
?X: Put syslib in libc -- not quite right, but won't hurt
  libc="$libc /lib/syslib"
 fi
elif $test -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
 echo "Your C library seems to be in $libc, as you said before."
?X: For mips, and...
elif $test -r $incpath/usr/lib/libc$_a; then
 libc=$incpath/usr/lib/libc$_a;
 echo "Your C library seems to be in $libc.  That's fine."
elif $test -r /lib/libc$_a; then
 libc=/lib/libc$_a;
 echo "Your C library seems to be in $libc.  You're normal."
else
 if tans=`./loc libc$_a blurfl/dyick $libpth`; $test -r "$tans"; then
  :
 elif tans=`./loc libc blurfl/dyick $libpth`; $test -r "$tans"; then
  libnames="$libnames "`./loc clib blurfl/dyick $libpth`
 elif tans=`./loc clib blurfl/dyick $libpth`; $test -r "$tans"; then
  :
 elif tans=`./loc Slibc$_a blurfl/dyick
 $xlibpth`; $test -r "$tans"; then
  :
 elif tans=`./loc Mlibc$_a blurfl/dyick $xlibpth`; $test -r "$tans"; then
  :
 else
  tans=`./loc Llibc$_a blurfl/dyick $xlibpth`
 fi
 if $test -r "$tans"; then
  echo "Your C library seems to be in $tans, of all places."
  libc=$tans
 else
  libc='blurfl'
 fi
fi
if $test $xxx = apollo -o -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
 dflt="$libc"
 cat <<EOM

If the guess above is wrong (which it might be if you're using a strange
compiler, or your machine supports multiple models), you can override it here.

EOM
else
 dflt="
 echo $libpth | $tr ' ' $trnl | $sort | $uniq > libpath
 cat >&4 <<EOM
I can't seem to find your C library.  I've looked in the following places:
```

```
EOM
 $sed 's/^/ /' libpath
 cat <<EOM

None of these seems to contain your C library. I need to get its name...

EOM
fi
fn=f
rp='Where is your C library?'
. ./getfile
libc="$ans"

echo " "
echo $libc $libnames | $tr ' ' $trnl | $sort | $uniq > libnames
set X `cat libnames`
shift
xxx=files
case
 $# in 1) xxx=file; esac
echo "Extracting names from the following $xxx for later perusal:" >&4
echo " "
$sed 's/^/ /' libnames >&4
echo " "
$echo $n "This may take a while...$c" >&4

?X:
?X: Linux may need the special Dynamic option to nm for shared libraries.
?X: In general, this is stored in the nm_so_opt variable.
?X: Unfortunately, that option may be fatal on non-shared libraries.
?X:
for file in $*; do
 case $file in
 *$so*) $nm $nm_so_opt $nm_opt $file 2>/dev/null;;
 *) $nm $nm_opt $file 2>/dev/null;;
 esac
done >libc.tmp

$echo $n ".$c"
?X:
?X: To accelerate processing, we look at the correct 'sed' command
?X: by using a small subset of libc.tmp, i.e. fprintf function.
?X: When we know which sed command to use, do the name extraction
?X:
$grep fprintf libc.tmp > libc.ptf
?X:
?X: In order to enhance readability and save some space, we define
```

```
?X: some variables that will be "eval"ed.
?X:
xscan='eval "<libc.ptf $com >libc.list"; $echo $n ".$c" >&4'
xrun='eval
 "<libc.tmp $com >libc.list"; echo "done." >&4'
?X: BSD-like output, I and W types added for Linux
?X: Some versions of Linux include a leading __IO in the symbol name.
?X: HPUX10 reportedly has trailing spaces, though I'm surprised it has
?X: BSD-like output.  (AD).
xxx='[ADTSIW]'
if com="$sed -n -e 's/__IO//' -e 's/^.* $xxx  *_[_.]*//p' -e 's/^.* $xxx  *//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: SYSV-like output
elif com="$sed -n -e 's/^__*//' -e 's/^\([a-zA-Z_0-9$]*\).*xtern.*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e '/|UNDEF/d' -e '/FUNC..GL/s/^.*|__*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.* D __*//p' -e 's/^.* D //p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^_//' -e 's/^\([a-zA-Z_0-9]*\).*xtern.*text.*/\1/p'";\
 eval
 $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|FUNC |GLOB .*|//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$grep '|' | $sed -n -e '/|COMMON/d' -e '/|DATA/d' \
    -e '/ file/d' -e 's/^\([^  ]*\).*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|FUNC |GLOB .*|//p' -e 's/^.*|FUNC |WEAK .*|//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: mips nm output (sysV)
elif com="$sed -n -e 's/^__//' -e '/|Undef/d' -e '/|Proc/s/ .*//p'";\
 eval $xscan;\
```

```
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|Proc .*|Text *| *//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e '/Def. Text/s/.* \([^ ]*\)\$/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null
 2>&1; then
  eval $xrun
?X: OS/2 nm output
elif com="$sed -n -e 's/^[-0-9a-f ]*_\(.*\)=.*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/.*\.text n\ \ \ \.//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: AIX nm output
elif com="sed -n -e 's/^__.*//' -e 's/[       ]*D[    ]*[0-9]*.*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
else
 $nm -p $* 2>/dev/null >libc.tmp
 $grep fprintf libc.tmp > libc.ptf
 if com="$sed -n -e 's/^.* [ADTSIW]  *_[_.]*//p' -e 's/^.* [ADTSIW] //p'";\
  eval $xscan; $contains '^fprintf$' libc.list >/dev/null 2>&1
 then
  nm_opt='-p'
  eval $xrun
 else
  echo " "
  echo "$nm didn't seem to work right. Trying $ar instead..." >&4
  com="
  if $ar t $libc > libc.tmp && \
   $contains '^fprintf$' libc.tmp >/dev/null 2>&1
  then
   for thisname in $libnames $libc; do
    $ar t $thisname >>libc.tmp
   done
   $sed
 -e "s/\\$_o\$//" < libc.tmp > libc.list
   echo "Ok." >&4
  elif test "X$osname" = "Xos2" && $ar tv $libc > libc.tmp; then
?X: Repeat libc to extract forwarders to DLL entries too
```

```
   for thisname in $libnames $libc; do
    $ar tv $thisname >>libc.tmp
?X: Revision 50 of EMX has bug in ar: it will not extract forwarders
?X: to DLL entries.  Use emximp which will extract exactly them.
    emximp -o tmp.imp $thisname \
        2>/dev/null && \
        $sed -e 's/^\([_a-zA-Z0-9]*\) .*$/\1/p' \
        < tmp.imp >>libc.tmp
    $rm -f tmp.imp
   done
   $sed -e "s/\\$_o\$//" -e 's/^ \+//' < libc.tmp > libc.list
   echo "Ok." >&4
  else
   echo "$ar didn't seem to work right." >&4
   echo "Maybe this is a Cray...trying bld instead..." >&4
   if
    bld t $libc | \
     $sed -e 's/.*\///' -e "s/\\$_o:.*\$//" > libc.list &&
    $test -s libc.list
   then
    for thisname in $libnames; do
     bld t $libnames | \
     $sed -e 's/.*\///' -e "s/\\$_o:.*\$//" >>libc.list
     $ar t $thisname >>libc.tmp
    done
    echo
 "Ok." >&4
   else
    echo "That didn't work either." >&4
    echo "No problem, I'll be compiling test programs then..." >&4
    runnm=false
   fi
  fi
 fi
fi
nm_extract="$com"
if $test -f /lib/syscalls.exp; then
 echo " "
 echo "Also extracting names from /lib/syscalls.exp for good ole AIX..." >&4
 $sed -n 's/^\([^  ]*\)[  ]*syscall[0-9]*[  ]*$/\1/p' \
  /lib/syscalls.exp >>libc.list
fi
?X: remember, indentation is wrong on purpose--RAM
;;
esac
$rm -f libnames libpath

Found in path(s):
```

* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Null.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Null.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:10  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit ends up producing shell code to set all variables to ".  This
?X: probably isn't necessary, but I'm paranoid.  About certain things.
?X:
?MAKE:Null: Head
?MAKE: -pick add.Null $@ %<
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Null.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:sitehtml3dir sitehtml3direxp installsitehtml3dir: Getfile \
 Setprefixvar prefix siteprefix html3dir sed
?MAKE: -pick add $@ %<
?Y:TOP
?D:sitehtml3dir="
?S:sitehtml3dir:
?S: This variable contains the name of the directory in which site-specific
?S: library html source pages are to be put.  It is the responsibility of the
```

```
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S: The standard distribution will put nothing in this directory.
?S: After
 perl has been installed, users may install their own local
?S: library html pages in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:sitehtml3direxp="
?S:sitehtml3direxp:
?S: This variable is the same as the sitehtml3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installsitehtml3dir="
?S:installsitehtml3dir:
?S: This variable is really the same as sitehtml3direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: html3direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installsitehtml3dir
?LINT:set sitehtml3dir
?LINT:set sitehtml3direxp
: determine where add-on library html pages go
: There is no standard location, so try to copy the previously-selected
: directory structure for the core html pages.
case
 "$sitehtml3dir" in
")    dflt=`echo "$html3dir" | $sed "s#^$prefix#$siteprefix#"` ;;
*)     dflt=$sitehtml3dir ;;
esac
case "$dflt" in
"|' ') dflt=none ;;
esac
fn=dn+~
rp='Pathname where the site-specific library html pages should be installed?'
. ./getfile
prefixvar=sitehtml3dir
. ./setprefixvar
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/sitehtml3dir.U
No license file was found, but licenses were detected in source scan.

Perl5 Metaconfig Units

Copyright (c) 1996-1998, Andy Dougherty
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All rights reserved.

These units are the ones used to build Configure and config_h.SH
in the Perl5 distribution.

metaconfig will first look in its standard locations (specified when you
installed dist). It will then recurse through the 'U' subdirectory
and find any additional "private" units. Private units override
standard ones supplied with metaconfig.

Files in this directory:

README
This file.

Glossary.patch
The standard dist units contain some strings that make pod2man
complain. This patch silences those warnings. As new units are
added and Configure is regenerated, this patch may need more and more
'fuzz' to be applied. It should be freshly regenerated every once
in a while. See also mkgloss.pl

ln-all.pl
Re-generate the all/ folder

mkglossary
A script
to regenerate Porting/Glossary. You have to manually
edit the top of the script to point the location of your metaconfig
units. It is called automatically by 'mksample'. See also mkgloss.pl

mkgloss.pl
A perl script that calls U/mkglossary from the perl source tree, sorts
the list of symbols, and applies the patch mentioned in Glossary.patch.
When called on its own, redirect the output to a temporary file, and
compare that file to Porting/Glossary before applying.

mksample
A script to regenerate Porting/config.sh and Porting/config.H.
It also calls mkglossary, if necessary.

Subdirectories:

The units and other related files have been broken up into the following
directories.

a_dvisory/

These are units that have to go first in the generated config_h.SH.
A word of explanation: Configure and config_h.SH are generated from 'Units' (the *.U files). Files indicate dependencies (using make(1)), and Configure is built to follow those dependencies.
However, config_h.SH is simply built by putting all the units in alphabetical order and extracting the relevant lines. (This could be fixed, I suppose, but it wasn't trivial the one time I looked.)
The a_dvisory/ directory, then, is a place to put units that need to be early in config_h.SH. (Most units are self-contained and ought to be able to go anywhere. However, some things, like byteorder, need to have the #defines from multiarch available.)

acl/

This is an old patch to begin to detect and use ACL (access control list) file protection schemes.

all/

A folder that conveniently holds symbolic links to all the modules that are used to build the current Configure and config_h.SH.

compline/

These are similar to the standard units, but I have modified them to have a more uniform compile command line, usually using the new Compile.U unit. (The ccflags.U unit is perl-specific since it mentions -DDEBUGGING and -DPOSIX_SOURCE, but that's the only place it is perl-specific.)

dist_patches/

These are patches to dist that must be applied before it is built and installed. I have submitted these for inclusion in the regular dist distribution. They have already been applied to the ../dist-3.0at70b directory.

ebcdic/

These are units that had to be specially modified to work under either EBCDIC or ASCII.

installdirs/

These are units to handle perl's installation directories and related issues.

modified/

These are modified versions of the standard units. Also included in this directory are new units that are clearly derived from existing

units. I have submitted these for inclusion in the regular dist distribution.

nullified/
These are null units that replace units in the standard distribution. Typically they are there because some part of the perl source accidentally uses a symbol that metaconfig thinks means we want the corresponding
unit.

perl/
These are specific to perl. Some are heavily derived from original dist units, and are marked as such. Others are original.

perl_patches/
These are patches to the perl source. This directory should ordinarily be empty, but there may have been drift between the standard version of perl and the one associated with these units.

protos/
These are units modified to use the new Hasproto.U or Protochk.U units to check for prototypes.

threads/
These are specific to threading perl.

typedefs/
These are standard units modified to use the modified Typedef.U unit to check for typedefs. (The modified Typdef.U includes a function to avoid unnecessary prompts if the typdef being searched for exists.)

Where appropriate, I submitted these units for inclusion into the regular dist distribution. However, since dist is no longer actively maintained, and the alternative is for *me* to actively maintain it, the units just
sit here.

Copyright Information:

Unless otherwise indicated, the files contained in this distribution are:

Copyright (c) 1996-1998, Andy Dougherty

The following licensing terms apply to all files contained in

this distribution:

You may distribute the files contained in this distribution
under the terms of either

a) the "Artistic License" which comes with Perl, or

b) the "Artistic License" which comes with dist, or

c) the GNU General Public License as published by the Free
Software Foundation; either version 1, or (at your option) any
later version (see the file "Copying" that comes with the
Perl distribution).

Which one to use is your choice.

The units in the "modified" directory have been derived from units
associated with the metaconfig program of Raphael Manfredi's "dist"
distribution. These units list Raphael Manfredi as the Copyright holder.
dist is distributed under a modified version of the Perl Artistic License.
Clause 7 of this modified
license as contained in dist-3.0-pl60 provides:

7. You may reuse parts of this Package in your own programs, provided
that you explicitly state where you got them from, in the source code
(and, left to your courtesy, in the documentation), duplicating
all the associated copyright notices and disclaimers. Besides
your changes, if any, must be clearly marked as such. Parts reused
that way will no longer fall under this license if, and only if,
the name of your program(s) have no immediate connection with the
name of the Package itself or its associated programs. You may then
apply whatever restrictions you wish on the reused parts or choose
to place them in the Public Domain--this will apply only within the
context of your package.

In accordance with this clause, the versions of these units
contained here are made available under the same terms as the
rest of the units.

If you have any questions about the use of these units or about
the differences
between these units and the standard versions, please
feel free to ask.

Andy Dougherty doughera@lafayette.edu
Dept. of Physics
Lafayette College
Easton, PA 18042-1782

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/README
No license file was found, but licenses were detected in source scan.

?RCS: You may redistribute only under the terms of the Artistic Licence,

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_vfork.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_gethid.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_ftrncate.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_syscall.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_waitpid.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_bzero.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_psignal.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_dld.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_systable.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_fchown.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_sysresrc.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_shmget.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_tminsys.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_mktime.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_memory.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_sysndir.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Assert.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_setruid.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/dist/U/i_dbm.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_lockf.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_string.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_PORTAR.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_float.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/orgname.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_semctl.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_setrgid.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_killpg.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_strccmp.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_memcmp.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_chroot.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_sigsetmk.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_inetd.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_normsig.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_rename.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_select.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/vaproto.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_flock.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_internet.U
*
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* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/mboxchar.U
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* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Obsol_h.U
*

/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_wait3.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/prefshell.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_accept4.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_msgrcv.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_getwd.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_sigblock.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_msgctl.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/newslib.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_strchr.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_symlink.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_getlogin.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/nametype.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_syslog.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_getgrps.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_limits.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/vaproto.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_shmdt.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_stdlib.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_preadv.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_getpgrp2.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_crypt.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_stdint.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_NeWS.U

*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_pipe2.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_nolnbuf.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_semop.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_alarm.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_strtod.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_ffs.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/registers.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_semget.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_wait4.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_sysfile.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_tcstpgrp.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_pause.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/newsspool.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_dbl_dig.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_utime.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/mkdep.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_link.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_sysstat.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_locale.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/groupstype.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_siglist.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_getppid.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/dist/U/d_inetaton.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_setlocale.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_strdup.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_strtok.U
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* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_pread.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_ffs.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_mbstowcs.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_bsdjmp.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_gdbm.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Loc_sed.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_xdrs.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_itimer.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_msgsnd.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_systimeb.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/filexp_path.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_munmap.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_linuxstd.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_rdchk.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_nice.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_brokstat.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_getpgid.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_rmdir.U

* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_havetlib.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_charsprf.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_ftime.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_scorfl.U
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* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_strcoll.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_pipe.U
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*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_setprior.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_dbl_dig.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_table.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_dlfcn.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_niin.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_dlerror.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_chown.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/basicshell.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_speedopt.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/mailfile.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_memalign.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_memcpy.U
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* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/dist/U/Getfile.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_msync.U
*
 /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/ipc.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_pathconf.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Nothing.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Nothing.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:09  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: The purpose of this file is to supply an empty target for the private
?X: Makefile built by metaconfig to order the units.
?X:
?MAKE:Nothing: Head
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Nothing.U
No license file was found, but licenses were detected in source scan.

```
/* This file was produced by running the config_h.SH script, which
* gets its values from $CONFIG_SH, which is generally produced by
* running Configure.
*
* Feel free to modify any of this as the need arises.  Note, however,
* that running config_h.SH again will wipe out any changes you've made.
* For a more permanent change edit $CONFIG_SH and rerun config_h.SH.
*/
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Config_h.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Options.U,v $
?RCS: Revision 3.0.1.7  1997/02/28  15:08:15  ram
?RCS: patch61: optdef.sh now starts with a "startsh"
?RCS: patch61: moved some code from Head.U
?RCS:
?RCS: Revision 3.0.1.6  1995/09/25  09:14:46  ram
?RCS: patch59: protected option parsing code against 'echo -*' option failure
?RCS:
?RCS: Revision 3.0.1.5  1995/05/12  12:04:52  ram
?RCS: patch54: added -K option for experts
?RCS:
?RCS: Revision 3.0.1.4  1995/01/30  14:27:52  ram
?RCS: patch49: this unit now exports file optdef.sh,
 not a variable
?RCS:
?RCS: Revision 3.0.1.3  1995/01/11  15:19:00  ram
?RCS: patch45: new -O option allowing -D and -U to override config.sh settings
?RCS: patch45: file optdef.sh is no longer removed after sourcing
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  15:58:06  ram
?RCS: patch36: ensure option definition file is removed before appending
?RCS: patch36: protect variable definitions with spaces in them
?RCS:
?RCS: Revision 3.0.1.1  1994/06/20  06:55:44  ram
?RCS: patch30: now uses new me symbol to tag error messages
?RCS: patch30: new -D and -U options to define/undef symbols (JHI)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:14  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: Command line parsing. It is really important that the variables used here
?X: be not listed in the MAKE line, or they will be saved in config.sh and
?X: loading this file to fetch default answers would clobber the values set
?X: herein.
?X:
```

```
?MAKE:Options: startsh
?MAKE: -pick wipe $@ %<
?V:reuseval
 alldone error realsilent silent extractsh fastread \
 override knowitall: config_sh
?T:arg argn symbol config_arg0 config_args config_argc xxx yyy zzz uuu
?T:args_exp args_sep arg_exp
?F:!Configure
?F:./optdef.sh ./cmdline.opt ./posthint.sh ./cmdl.opt
: Save command line options in file UU/cmdline.opt for later use in
: generating config.sh.
?X: This temporary file will be read by Oldsym.U.  I used a temporary
?X: file to preserve all sorts of potential command line quotes and
?X: also because we don't know in advance how many variables we'll
?X: need, so I can't actually declare them on the MAKE line.
?X: The config_args variable won't be quite correct if Configure is
?X: fed something like    ./Configure -Dcc="gcc -B/usr/ccs/bin/"
?X: since the quotes are gone by the time we see them.  You'd have to
?X: reconstruct the command line from the config_arg? lines, but since
?X: I don't imagine anyone actually having to do that, I'm not going
?X: to worry too much.
cat > cmdline.opt
 <<EOSH
: Configure command line arguments.
config_arg0='$0'
config_args='$*'
config_argc=$#
EOSH
argn=1
args_exp=''
args_sep=''
for arg in "$@"; do
 cat >>cmdline.opt <<EOSH
config_arg$argn='$arg'
EOSH
?X: Extreme backslashitis: replace each ' by '''''
 cat <<EOC | sed -e "s/'/'''''''''''''''/g" > cmdl.opt
$arg
EOC
 arg_exp=`cat cmdl.opt`
 args_exp="$args_exp$args_sep'$arg_exp'"
 argn=`expr $argn + 1`
 args_sep=' '
done
?X: args_exp is good for restarting self: eval "set X $args_exp"; shift; $0 "$@"
?X: used by hints/os2.sh in Perl, for instance
rm -f cmdl.opt
```

```
: produce awk script to parse command line options
cat >options.awk <<'EOF'
BEGIN {
 optstr = "A:dD:eEf:hKOrsSU:V"; # getopt-style specification

 len = length(optstr);
 for (i = 1; i <= len; i++) {
  c = substr(optstr, i, 1);
?X: some older awk's do not have the C ?: construct
  if (i < len) a = substr(optstr, i + 1, 1); else a = "";
  if (a == ":") {
   arg[c] = 1;
   i++;
  }
  opt[c] = 1;
 }
}
{
 expect = 0;
 str = $0;
 if (substr(str,
 1, 1) != "-") {
  printf("'%s'\n", str);
  next;
 }
 len = length($0);
 for (i = 2; i <= len; i++) {
  c = substr(str, i, 1);
  if (!opt[c]) {
   printf("-%s\n", substr(str, i));
   next;
  }
  printf("-%s\n", c);
  if (arg[c]) {
   if (i < len)
    printf("'%s'\n", substr(str, i + 1));
   else
    expect = 1;
   next;
  }
 }
}
END {
 if (expect)
  print "?";
}
EOF
```

```
: process the command line options
?X: Use "$@" to keep arguments with spaces in them from being split apart.
?X: For the same reason, awk will output quoted arguments and the final eval
?X: removes them and sets a proper $* array. An 'X' is prependend to each
?X: argument before being fed to echo to guard against 'echo -x', where -x
?X: would be understood as an echo option! It is removed before feeding awk.
set X `for arg in "$@"; do echo "X$arg"; done |
 sed -e s/X// | awk -f options.awk`
eval "set $*"
shift
rm -f options.awk

: set up default values
fastread=''
reuseval=false
config_sh=''
alldone=''
error=''
silent=''
extractsh=''
override=''
knowitall=''
rm
 -f optdef.sh posthint.sh
cat >optdef.sh <<EOS
$startsh
EOS

?X:
?X: Given that we now have the possibility to execute Configure remotely
?X: thanks to the new src.U support, we have to face the possibility
?X: of having to ask where the source lie, which means we need the Myread.U
?X: stuff and possibly other things that might echo something on the
?X: screen...
?X:
?X: That's not pretty, and might be confusing in 99% of the time. So...
?X: We introduce a new realsilent variable which is set when -s is given,
?X: and we force silent=true if -S is supplied. The Extractall.U unit
?X: will then undo the >&4 redirection based on the value of the
?X: realsilent variable... -- RAM, 18/93/96
?X:

: option parsing
while test $# -gt 0; do
 case "$1" in
 -d) shift; fastread=yes;;
 -e) shift; alldone=cont;;
 -f)
```

```
 shift
 cd ..
 if test -r "$1"; then
  config_sh="$1"
 else
  echo "$me: cannot read config file $1." >&2
  error=true
 fi
 cd UU
 shift;;
-h)
shift; error=true;;
-r) shift; reuseval=true;;
-s) shift; silent=true; realsilent=true;;
-E) shift; alldone=exit;;
-K) shift; knowitall=true;;
-O) shift; override=true;;
-S) shift; silent=true; extractsh=true;;
-D)
 shift
 case "$1" in
 *=)
  echo "$me: use '-U symbol=', not '-D symbol='." >&2
  echo "$me: ignoring -D $1" >&2
  ;;
 *=*) echo "$1" | \
   sed -e "s/'/'\''\''/g" -e "s/=\(.*\)/='\1'/" >> optdef.sh;;
 *) echo "$1='define'" >> optdef.sh;;
 esac
 shift
 ;;
-U)
 shift
 case "$1" in
 *=) echo "$1" >> optdef.sh;;
 *=*)
  echo "$me: use '-D symbol=val', not '-U symbol=val'." >&2
  echo "$me: ignoring -U $1" >&2
  ;;
 *) echo "$1='undef'" >> optdef.sh;;
 esac
 shift
 ;;
-A)
    shift
    xxx=''
    yyy="$1"
    zzz=''
```

```
   uuu=undef
   case "$yyy" in
        *=*) zzz=`echo "$yyy"|sed 's!=.*!!'`
            case "$zzz" in
            *:*) zzz=" ;;
            *)   xxx=append
                zzz=" "`echo
"$yyy"|sed 's!^[^=]*=!!'`
                yyy=`echo "$yyy"|sed 's!=.*!!'` ;;
            esac
            ;;
        esac
        case "$xxx" in
        ")  case "$yyy" in
            *:*) xxx=`echo "$yyy"|sed 's!:.*!!'`
                yyy=`echo "$yyy"|sed 's!^[^:]*:!!'`
                zzz=`echo "$yyy"|sed 's!^[^=]*=!!'`
                yyy=`echo "$yyy"|sed 's!=.*!!'` ;;
            *)   xxx=`echo "$yyy"|sed 's!:.*!!'`
                yyy=`echo "$yyy"|sed 's!^[^:]*:!!'` ;;
            esac
            ;;
        esac
   case "$xxx" in
   append)
 echo "$yyy=\"\${$yyy}$zzz\"" >> posthint.sh ;;
   clear)
 echo "$yyy=""   >> posthint.sh ;;
   define)
       case "$zzz" in
 ") zzz=define ;;
 esac
 echo "$yyy='$zzz'"  >> posthint.sh ;;
   eval)
 echo "eval \"$yyy=$zzz\"" >> posthint.sh ;;
   prepend)
 echo "$yyy=\"$zzz\${$yyy}\"" >> posthint.sh ;;
   undef)
       case "$zzz" in
 ")
zzz="$uuu" ;;
 esac
 echo "$yyy=$zzz"  >> posthint.sh ;;
        *)  echo "$me: unknown -A command '$xxx', ignoring -A $1" >&2 ;;
   esac
   shift
   ;;
-V) echo "$me generated by metaconfig <VERSION> PL<PATCHLEVEL>." >&2
```

```
    exit 0;;
 --) break;;
 -*) echo "$me: unknown option $1" >&2; shift; error=true;;
 *) break;;
 esac
done

case "$error" in
true)
 cat >&2 <<EOM
Usage: $me [-dehrsEKOSV] [-f config.sh] [-D symbol] [-D symbol=value]
              [-U symbol] [-U symbol=] [-A command:symbol...]
 -d : use defaults for all answers.
 -e : go on without questioning past the production of config.sh.
 -f : specify an alternate default configuration file.
 -h : print this help message and exit (with an error status).
 -r : reuse C symbols value if possible (skips costly nm extraction).
 -s : silent mode, only echoes questions and essential information.
 -D : define symbol to have some value:
       -D symbol         symbol gets the value 'define'
       -D symbol=value
  symbol gets the value 'value'
 -E : stop at the end of questions, after having produced config.sh.
 -K : do not use unless you know what you are doing.
 -O : let -D and -U override definitions from loaded configuration file.
 -S : perform variable substitutions on all .SH files (can mix with -f)
 -U : undefine symbol:
       -U symbol    symbol gets the value 'undef'
       -U symbol=   symbol gets completely empty
 -A : manipulate symbol after the platform specific hints have been applied:
  -A symbol=value  append " "value to symbol
  -A append:symbol=value  append value to symbol
  -A define:symbol=value  define symbol to have value
       -A clear:symbol  define symbol to be "
  -A define:symbol  define symbol to be 'define'
  -A eval:symbol=value  define symbol to be eval of value
  -A prepend:symbol=value prepend value to symbol
  -A undef:symbol  define symbol to be 'undef'
  -A undef:symbol=  define symbol to be "
 -V : print version number and exit (with
 a zero status).
EOM
 exit 1
 ;;
esac

?X:
?X: Unless they specified either -S or both -d and -e/E, make sure we're
```

```
?X: running interactively, i.e. attached to a terminal. Moved from Head.U to
?X: be able to handle batch configurations...
?X:
?X: We have to hardwire the Configure name and cannot use $me, since if they
?X: said 'sh <Configure', then $me is 'sh'...
?X:
: Sanity checks
case "$fastread$alldone" in
yescont|yesexit) ;;
*)
 case "$extractsh" in
 true) ;;
 *)
  if test ! -t 0; then
   echo "Say 'sh Configure', not 'sh <Configure'"
   exit 1
  fi
  ;;
 esac
 ;;
esac

?X: In silent mode, the standard output is closed. Questions are asked by
?X: outputing on file descriptor #4, which is the original stdout descriptor.
?X: This filters out all the "junk", since all the needed information is written
?X: on #4. Note that ksh will not let us redirect output if the file descriptor
?X: has not be defined yet, unlike sh, hence the following line...--RAM.
exec 4>&1
case "$silent" in
true)
 exec 1>/dev/null;;
esac

: run the defines and the undefines, if any, but leave the file out there...
touch optdef.sh
. ./optdef.sh
: create the posthint manipulation script and leave the file out there...
?X: this file will be perused by Oldconfig.U
touch posthint.sh
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Options.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_byacc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_byacc.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:31:14  ram
?RCS: patch61: created
?RCS:
?MAKE:d_byacc: byacc Setvar
?MAKE: -pick add $@ %<
?S:d_byacc:
?S: This variable indicates whether byacc is available.
?S: If the user has specified 'portability', then Makefile.SH
?S: sees $byacc='byacc' whether or not the user actually has
?S: byacc.  This variable allows us to determine in a makefile
?S: if we really
 have byacc.
?S:.
?LINT:set d_byacc
: Check if we really have byacc
case "$byacc" in
"|'byacc') val="$undef" ;;
*) val="$define" ;;
esac
set d_byacc
eval $setvar
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_byacc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: kernel.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: kernel.U,v $
?RCS: Revision 3.0  1993/08/18  12:08:54  ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:kernel: Getfile test
?MAKE: -pick add $@ %<
?S:kernel:
?S: This variable becomes the (fully rooted) path name of the kernel.
?S:.
: find the name of the kernel.
echo " "
case "$kernel" in
")
 if $test -r /unix; then
  dflt=/unix
 elif $test -r /vmunix; then
  dflt=/vmunix
 elif $test -r /xenix; then
  dflt=/xenix
 elif $test -r /mach; then
  dflt=/mach
 elif
 $test -r /dgux; then
  dflt=/dgux
 elif $test -r /hp-ux; then
  dflt=/hp-ux
 elif $test -r /syst; then
  dflt=/syst
 elif $test -r /arix; then
  dflt=/arix
 elif $test -r /irix; then
  dflt=/arix
 else
  dflt='unknown'
  set X /*x
  shift
  case $# in
  1)
   if $test -r "$1"; then
    dflt="$1"
   fi
   ;;
  esac
 fi
 ;;
*)
 dflt="$kernel"
 ;;
esac
fn=f
```

```
rp='What is the name of your kernel?'
. ./getfile
kernel="$ans"
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/kernel.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Extract.U,v 3.0.1.2 1997/02/28 14:58:52 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Extract.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  14:58:52  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  15:51:46  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:52  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a shell script which can be doted in order to extract
?X: .SH files with variable substitutions.
?X:
?X: When running
 Configure from a remote directory ($src is not '.'),
?X: then the files will be created in that directory, so beware!
?X:
?MAKE:Extract: src
?MAKE: -pick add $@ %<
?F:./extract
?T:PERL_CONFIG_SH dir file name create mkdir_p
: script used to extract .SH files with variable substitutions
cat >extract <<'EOS'
PERL_CONFIG_SH=true
echo "Doing variable substitutions on .SH files..."
if test -f MANIFEST; then
 set x `awk '{print $1}' < MANIFEST | grep '\.SH$'`
else
```

```
 echo "(Looking for .SH files under the source directory.)"
 set x `(cd "$src"; find . -name "*.SH" -print)`
fi
shift
case $# in
0) set x `(cd "$src"; echo *.SH)`; shift;;
esac
if test ! -f "$src/$1"; then
 shift
fi
?X: script to emulate mkdir -p
mkdir_p='
name=$1;
create="";
while test $name; do
 if test ! -d "$name"; then
  create="$name $create";
  name=`echo $name | sed -e "s|^[^/]*$||"`;
  name=`echo $name | sed -e "s|\(.*\)/.*|\1|"`;
 else
  name="";
 fi;
done;
for file in $create; do
 mkdir $file;
done
'
for file in $*;
 do
 case "$src" in
 ".")
  case "$file" in
  */*)
   dir=`expr X$file : 'X\(.*\)/'`
   file=`expr X$file : 'X.*/\(.*\)'`
   (cd "$dir" && . ./$file)
   ;;
  *)
   . ./$file
   ;;
  esac
  ;;
 *)
?X:
?X: When running Configure remotely ($src is not '.'), we cannot source
?X: the files directly, since that would wrongly cause the extraction
?X: where the source lie instead of withing the current directory. Therefore,
?X: we need to 'sh <file' then, which is okay since they will source the
```

```
?X: existing config.sh file. It's not possible to use:
?X:  ../src/Configure -S -O -Dsomething
?X: unfortunately since no new config.sh with the -Dsomething override
?X: will be created before running the .SH files. A minor buglet.
?X:
?X: Note that we must create the directory hierarchy ourselves if it does
?X: not exist already, and that is done through a shell emulation of the
?X: 'mkdir -p' command. We don't want to use the $installdir metaconfig
?X: symbol here since that would require too much to
 be configured for
?X: this simple extraction task that may happen quickly with 'Configure -S'.
?X:  -- RAM, 18/03/96
?X:
  case "$file" in
  */*)
   dir=`expr X$file : 'X\(.*\)/'`
   file=`expr X$file : 'X.*/\(.*\)'`
   (set x $dir; shift; eval $mkdir_p)
   sh <"$src/$dir/$file"
   ;;
  *)
   sh <"$src/$file"
   ;;
  esac
  ;;
 esac
done
if test -f "$src/config_h.SH"; then
 if test ! -f config.h; then
 : oops, they left it out of MANIFEST, probably, so do it anyway.
 . "$src/config_h.SH"
 fi
fi
EOS
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Extract.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Chk_MANI.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Chk_MANI.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  14:57:25  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.1  1994/10/31  09:33:14  ram
?RCS: patch44: now lists Begin instead of Myinit in its dependencies
?RCS: patch44: leading comment now explains how this unit is included
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:45  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit checks the package by making sure
 every file listed in MANIFEST
?X: is present. It is systematically "included" via the Finish unit (which
?X: is always present in every Configure script), although it may result in
?X: an empty inclusion when no MANIFEST is present.
?X:
?MAKE:Chk_MANI: Begin c n rsrc
?MAKE: -pick wipe $@ %<
?T:filelist ans tmppwd
?X: This check happens at metaconfig-time, so it's ok to hard-code the path.
@if {test -f ../MANIFEST}
: Now test for existence of everything in MANIFEST
echo " "
if test -f "$rsrc/MANIFEST"; then
 echo "First let's make sure your kit is complete.  Checking..." >&4
?X:
?X: Files spelled uppercased and beginning with PACK are produced by the
?X: shell archive builder and may be removed by the user. Usually, they are
?X: not listed in the MANIFEST file, but you never know...
?X:
?X: "split -l" is the new way of running a split, but we also try the older way
?X:
 awk '$1 !~ /PACK[A-Z]+/ {print $1}' "$rsrc/MANIFEST" | \
  (split -l 50 2>/dev/null || split -50)
 rm -f missing
 tmppwd=`pwd`
 for
 filelist in x??; do
  (cd "$rsrc"; ls `cat "$tmppwd/$filelist"` \
   >/dev/null 2>>"$tmppwd/missing")
 done
 if test -s missing; then
  cat missing >&4
  cat >&4 <<'EOM'
```

```
THIS PACKAGE SEEMS TO BE INCOMPLETE.

You have the option of continuing the configuration process, despite the
distinct possibility that your kit is damaged, by typing 'y'es.  If you
do, don't blame me if something goes wrong.  I advise you to type 'n'o
and contact the author (<MAINTLOC>).

EOM
?X: Can't use $echo at this early stage
  echo $n "Continue? [n] $c" >&4
  read ans
  case "$ans" in
  y*)
   echo "Continuing..." >&4
   rm -f missing
   ;;
  *)
?X:
?X: Use kill and not exit, so that the trap gets executed to clean up
?X:
   echo "ABORTING..." >&4
   kill $$
   ;;
  esac
 else
  echo "Looks good..."
 fi
else
 echo "There is no MANIFEST file.  I hope your kit is complete !"
fi
rm -f missing x??

@end
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Chk_MANI.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extract.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  14:58:52  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  15:51:46  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:52  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a shell script which can be doted in order to extract
?X: .SH files with variable substitutions.
?X:
?X: When running Configure from a remote directory ($src
 is not '.'),
?X: then the files will be created in that directory, so beware!
?X:
?MAKE:Extract: Mkdirp src
?MAKE: -pick add $@ %<
?F:./extract
?T:CONFIG SRC dir file
: script used to extract .SH files with variable substitutions
cat >extract <<EOS
CONFIG=true
SRC="$src"
EOS
cat >>extract <<'EOS'
echo "Doing variable substitutions on .SH files..."
if test -f "$SRC/MANIFEST"; then
 set x `awk '{print $1}' <$SRC/MANIFEST | grep '\.SH'`
else
 echo "(Looking for .SH files under the source directory.)"
 set x `(cd "$SRC"; find . -name "*.SH" -print)`
fi
shift
case $# in
0) set x `(cd "$SRC"; echo *.SH)`; shift;;
esac
if test ! -f "$SRC/$1"; then
 shift
fi
for file in $*; do
 case "$SRC" in
 ".")
  case "$file" in
```

```
  */*)
   dir=`expr X$file : 'X\(.*\)/'`
   file=`expr X$file : 'X.*/\(.*\)'`
   (cd $dir && . ./$file)
   ;;
  *)
   . ./$file
   ;;
  esac
  ;;
 *)
?X:
?X: When running Configure remotely ($src is not '.'), we cannot source
?X: the files directly, since that would wrongly cause
 the extraction
?X: where the source lie instead of withing the current directory. Therefore,
?X: we need to 'sh <file' then, which is okay since they will source the
?X: existing config.sh file. It's not possible to use:
?X:  ../src/Configure -S -O -Dsomething
?X: unfortunately since no new config.sh with the -Dsomething override
?X: will be created before running the .SH files. A minor buglet.
?X:
?X: Note that we must create the directory hierarchy ourselves if it does
?X: not exist already, and that is done through a shell emulation of the
?X: 'mkdir -p' command. We don't want to use the $installdir metaconfig
?X: symbol here since that would require too much to be configured for
?X: this simple extraction task that may happen quickly with 'Configure -S'.
?X:  -- RAM, 18/03/96
?X:
  case "$file" in
  */*)
   dir=`expr X$file : 'X\(.*\)/'`
   file=`expr X$file : 'X.*/\(.*\)'`
   ./mkdirp $dir
   sh <"$SRC/$dir/$file"
   ;;
  *)
   sh <"$SRC/$file"
   ;;
  esac
  ;;
 esac
done
if
 test -f "$SRC/config_h.SH"; then
 if test ! -f config.h; then
?X: oops, they left it out of MANIFEST, probably, so do it anyway.
  sh <"$SRC/config_h.SH"
```

```
 fi
fi
EOS
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Extract.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Typedef.U,v $
?RCS: Revision 3.0.1.3  1995/07/25  13:42:07  ram
?RCS: patch56: added backslash escapes within evals to prevent space problems
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  16:01:16  ram
?RCS: patch36: don't clobber visible 'val' variable, use 'varval' instead
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:05:14  ram
?RCS: patch32: created
?RCS:
?X:
?X: This unit checks for the definition of a given typedef.
?X:
?X: To use it, say:
?X: set typedef val_t default [includes]
?X: eval $typedef
?X:
?MAKE:Typedef:
 cppstdin cppminus cppflags rm contains Oldconfig
?MAKE: -pick add $@ %<
?F:!temp.c
?LINT:define typedef
?V:typedef
?S:typedef:
?S: This shell variable is used internally by Configure to check
?S: wether a given typedef is defined or not. A typical use is:
?S:  set typedef val_t default [includes]
?S:  eval $typedef
?S: That will return val_t set to default if the typedef was not found,
```

```
?S: to typedef otherwise. If no includes are specified, look in sys/types.h.
?S:.
?T:type var def inclist varval inc
: define an is-a-typedef? function
typedef='type=$1; var=$2; def=$3; shift; shift; shift; inclist=$@;
case "$inclist" in
"") inclist="sys/types.h";;
esac;
eval "varval=\$$var";
case "$varval" in
"")
 $rm -f temp.c;
 for inc in $inclist; do
  echo "#include <$inc>" >>temp.c;
 done;
 $cppstdin $cppflags $cppminus < temp.c >temp.E 2>/dev/null;
 if $contains $type temp.E >/dev/null 2>&1; then
  eval "$var=\$type";
 else
  eval "$var=\$def";
 fi;
 $rm -f temp.?;;
*) eval
 "$var=\$varval";;
esac'
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Typedef.U
No license file was found, but licenses were detected in source scan.

```
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: lns.U,v $
?RCS: Revision 3.0.1.1  1994/06/20  07:05:52  ram
?RCS: patch30: created by ADO
?RCS:
?X:
```

```
?X: This unit checks whether symbolic links are really supported.
?X: We can't rely on d_symlink because that may be listed in the
?X: C library but unimplemented.
?X:
?MAKE:lns: ln rm touch test
?MAKE: -pick add $@ %<
?S:lns:
?S: This variable holds the name of the command to make
?S: symbolic links (if they are supported).
  It can be used
?S: in the Makefile. It is either 'ln -s' or 'ln'
?S:.
: determine whether symbolic links are supported
echo " "
$rm -f blurfl sym
$touch blurfl
if $ln -s blurfl sym > /dev/null 2>&1 && $test -f sym; then
 echo "Symbolic links are supported." >&4
 lns="$ln -s"
else
 echo "Symbolic links are NOT supported." >&4
 lns="$ln"
fi
$rm -f blurfl sym
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/lns.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libnm.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libnm.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:08:26  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:01  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libnm: test Loc libpth _a
```

```
?MAKE: -pick add $@ %<
?S:libnm:
?S: This variable contains the argument to pass to the loader in order
?S: to get the new math library routines.  If there is no new math
?S: library, it is null.
?S:.
?T:ans
?O:
 use libswanted='-lnm' instead (see libs.U).
: see if we should include -lnm
echo " "
if $test -r /usr/lib/libnm$_a || $test -r /usr/local/lib/libnm$_a ; then
 echo "New math library found." >&4
 libnm='-lnm'
else
 ans=`./loc libnm$_a x $libpth`
 case "$ans" in
 x)
  echo "No nm library found--the normal math library will have to do." >&4
  libnm=''
  ;;
 *)
  echo "New math library found in $ans." >&4
  libnm="$ans"
  ;;
 esac
fi
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libnm.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: contains.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: contains.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:35  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:contains: Nothing
```

```
?MAKE: -pick add $@ %<
?S:contains:
?S: This variable holds the command to do a grep with a proper return
?S: status.  On most sane systems it is simply "grep".  On insane systems
?S: it is a grep followed by a cat followed by a test.  This variable
?S: is primarily for the use of other Configure units.
?S:.
: Some
 greps do not return status, grrr.
echo "grimblepritz" >grimble
if grep blurfldyick grimble >/dev/null 2>&1 ; then
 contains=contains
elif grep grimblepritz grimble >/dev/null 2>&1 ; then
 contains=grep
else
 contains=contains
fi
rm -f grimble
: the following should work in any shell
case "$contains" in
contains*)
 echo " " >&4
 echo "AGH!  Grep doesn't return a status.  Attempting remedial action." >&4
 cat >contains <<'EOSS'
grep "$1" "$2" >.greptmp && cat .greptmp && test -s .greptmp
EOSS
contains=./contains
chmod +x $contains
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/contains.U
No license file was found, but licenses were detected in source scan.

* Feel free to modify any of this as the need arises. Note, however,

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/metaconfig.html
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Prefixup.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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```

```
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Prefixup.U,v $
?RCS: Revision 3.0.1.1  1995/01/30  14:30:40  ram
?RCS: patch49: created
?RCS:
?X:
?X: Used as: "set dflt; eval $prefixup" to set $dflt to be $prefix/dir
?X: instead of $prefixexp/dir, in case portability was involved somehow
?X: and $prefix uses ~name expansion.
?X:
?MAKE:Prefixup: prefix prefixexp
?MAKE: -pick add $@ %<
?LINT:define prefixup
?S:prefixup:
?S: This shell variable is used internally by Configure to reset
?S: the leading
 installation prefix correctly when $prefix uses
?S: ~name expansion.
?S:  set dflt
?S:  eval $prefixup
?S: That will set $dflt to $prefix/dir if it was $prefixexp/dir and
?S: $prefix differs from $prefixexp.
?S:.
?V:prefixup
: set the prefixup variable, to restore leading tilda escape
prefixup='case "$prefixexp" in
"$prefix") ;;
*) eval "$1=\`echo \$$1 | sed \"s,^$prefixexp,$prefix,\"\`";;
esac'
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Prefixup.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: shm_for.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
```

```
?RCS: $Log: shm_for.U,v $
?RCS: Revision 3.0.1.1  1994/10/29  16:28:37  ram
?RCS: patch36: call ./Cppsym explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:46  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:shm_for shm_att shm_lim: Cppsym Myread ipc uname
?MAKE: -pick add $@ %<
?S:shm_for:
?S: This variable tells us the type of machine we're expecting the
?S: shared memory code to run on.  The value is available to C
 programs
?S: in the C_SHM_FOR manifest.
?S:.
?S:shm_att:
?S: This variable tells us where a shared memory segment should be
?S: attached.  Good values are HIGH, LOW, and ZERO.
?S:.
?S:shm_lim:
?S: This variable tells us if shared memory attached HIGH should
?S: have an upper limit.
?S:.
?X: ----------------------------------------------------------
?X: It's a potential lose to define anything beginning with SHM...
?X: At least we can think that S_ stands for "String version of ..." -- HMS
?X: ----------------------------------------------------------
?C:S_SHM_FOR ~ %<:
?C: This symbol identifies what we chose for the target system's
?C: default shared memory configuration parameters.
?C:.
?C:S_SHM_ATT ~ %<:
?C: This symbol holds the default "place" to attach shared memory.
?C: Values are "HIGH", "ZERO", and "LOW".
?C:.
?C:S_SHM_LIM ~ %<:
?C: This symbol holds the default upper bound address limit if shared
?C: memory is attached HIGH.  If zero, there is no upper limit.
?C:.
?H:?%<:#ifdef
 SERVE_SHM
?H:?%<:#define S_SHM_FOR "$shm_for"
?H:?%<:#define S_SHM_ATT "$shm_att"
?H:?%<:#define S_SHM_LIM "$shm_lim"
?H:?%<:#endif
?H:.
?W:%<:S_SHM_FOR S_SHM_ATT S_SHM_LIM
: see how to attach shared memory
```

```
echo " "
echo "Deciding how to attach shared memory..." >&4

case "$ipc" in
shm)
 shm_for='Default case'
 shm_att='HIGH'
 shm_lim='0x0'
 if ./Cppsym tower32 tower32_600; then
  echo "NCR Towers are usually normal..."
  : echo "Oh, an NCR Tower."
  : This works for the 600
  shm_for='NCR Tower 32'
  shm_att='LOW'
 else
  case "$uname" in
  */uname)
   case "`uname -m`" in
   ACS??68*)
    echo "Oh, an Altos 3068."
    shm_for='Altos 3068:'
    shm_lim='0x800000'
    ;;
    esac
    ;;
  *)
   echo "Looks normal to me..."
   ;;
  esac
 fi

 dflt="$shm_for"
 rp='Description of shared memory configuration?'
 . ./myread
 shm_for="$ans"

 dflt="$shm_att"
 rp='Where should shared memory be attached?'
 . ./myread
 shm_att="$ans"

 case "$shm_att" in
 HIGH)
  dflt="$shm_lim"
  rp='What is
 the upper address limit for shared memory?'
  . ./myread
  shm_lim="$ans"
```

```
  ;;
 *)
  shm_lim=''
  ;;
 esac
 ;;

*)
 echo "but you aren't using shared memory so I won't bother." >&4
 shm_for='NOT CONFIGURED'
 shm_att='NONE'
 shm_lim='-1'
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/shm_for.U
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```
?RCS: $Id$
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Oldsym.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:06:58  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:13  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit follows the creation of the config.sh file. It adds some
?X: special symbols: defines from patchlevel.h file if any and CONFIG,
?X: which is set to true. Then, we try to keep all the new symbols that
?X: may come from a hint file or a previous config.sh file.
?X:
?MAKE:Oldsym:
 Config_sh Options test hint src sed sort uniq
?MAKE: -pick add $@ %<
?T:CONFIG sym tmp
?F:!UU
```

```
: add special variables
$test -f $src/patchlevel.h && \
awk '/^#define/ {printf "%s=%s\n",$2,$3}' $src/patchlevel.h >>config.sh
echo "CONFIG=true" >>config.sh

: propagate old symbols
if $test -f UU/config.sh; then
?X: Make sure each symbol is unique in oldconfig.sh
 <UU/config.sh $sort | $uniq >UU/oldconfig.sh
?X:
?X: All the symbols that appear twice come only from config.sh (hence the
?X: two config.sh in the command line). These symbols will be removed by
?X: the uniq -u command. The oldsyms file thus contains all the symbols
?X: that did not appear in the produced config.sh (Larry Wall).
?X:
?X: Do not touch the -u flag of uniq.  This means you too, Jarkko.
?X:
 $sed -n 's/^\([a-zA-Z_0-9]*\)=.*/\1/p' \
  config.sh config.sh UU/oldconfig.sh |\
  $sort | $uniq -u >UU/oldsyms
 set X `cat UU/oldsyms`
 shift
 case $# in
 0) ;;
 *)
  cat <<EOM
Hmm...You had some extra variables I don't know about...I'll
 try to keep 'em...
EOM
  echo ": Variables propagated from previous config.sh file." >>config.sh
  for sym in `cat UU/oldsyms`; do
   echo "    Propagating $hint variable "'$'"$sym..."
   eval 'tmp="$'"${sym}"'"'
   echo "$tmp" | \
    sed -e "s/'/'\''\''/g" -e "s/^/$sym='/" -e "s/$/'/" >>config.sh
  done
  ;;
 esac
fi
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Oldsym.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libnlist.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libnlist.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:08:02  ram
?RCS: patch61: added usrinc and mips on the dependency line
?RCS: patch61: make sure we call ./mips
?RCS: patch61: added a ?LINT: hint
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:00  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libnlist: Loc libpth Guess usrinc _a
?MAKE: -pick add $@ %<
?S:libnlist (libmld):
?S: This variable contains the name of the library required to
 get the
?S: definition of the nlist() function.  On a MIPS RISC/OS box, it is -lmld.
?S: Under Sys Vr4, it is -lelf.  Otherwise, its value is empty.
?S:.
?T:xxx
?LINT:use usrinc
: see if we need a special library for 'nlist()'
echo " "
: How about doing this if nlist is not in libc...
if ./mips ; then
 libnlist='-lmld'
else
 xxx=`./loc libelf$_a x $libpth`
 case "$xxx" in
 x)  ;;
 *)
  libnlist="$xxx"
  ;;
 esac
fi
case "$libnlist" in
") echo "No special library for nlist() seems necessary." >&4
 ;;
*)  echo "nlist() can be found in $libnlist." >&4
 ;;
esac
```

Found in path(s):

* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libnlist.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Myinit.U,v $
?RCS: Revision 3.0.1.1  1994/10/31  09:47:29  ram
?RCS: patch44: leading comment states this unit comes before option processing
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:07  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: If you want to initialize any default values, copy this unit to your
?X: personal U directory and add the assignments to the end.  This file
?X: is included after variables are initialized but before any old
?X: config.sh file is read in and before
 any Configure switch processing.
?X:
?MAKE:Myinit: Init
?MAKE: -pick add $@ %<
?LINT: nocomment
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Myinit.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
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?RCS: of the source tree for dist 4.0.
?RCS:
```

```
?RCS: $Log: Unix.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:20:06  ram
?RCS: patch61: created
?RCS:
?X:
?X: The purpose of this unit is to define things that are common across all
?X: known UNIX platforms. If Configure is ported/used on a non-UNIX
?X: environment, then some of the following variables can be redefined in hint
?X: files.
?X:
?MAKE:Unix _a _o firstmakefile archobjs: Oldconfig
?MAKE: -pick add $@ %<
?S:_a (lib_ext):
?S: This variable defines the extension
 used for ordinary libraries.
?S: For unix, it is '.a'.  The '.' is included.  Other possible
?S: values include '.lib'.
?S:.
?S:_o (obj_ext):
?S: This variable defines the extension used for object files.
?S: For unix, it is '.o'.  The '.' is included.  Other possible
?S: values include '.obj'.
?S:.
?S:firstmakefile:
?S: This variable defines the first file searched by make.  On unix,
?S: it is makefile (then Makefile).  On case-insensitive systems,
?S: it might be something else.  This is only used to deal with
?S: convoluted make depend tricks.
?S:.
?S:archobjs:
?S: This variable defines any additional objects that must be linked
?S: in with the program on this architecture.  On unix, it is usually
?S: empty.  It is typically used to include emulations of unix calls
?S: or other facilities.  For perl on OS/2, for example, this would
?S: include os2/os2.obj.
?S:.
?INIT:: Extra object files, if any, needed on this platform.
?INIT:archobjs="
: Define several unixisms.
: Hints files
 or command line option can be used to override them.
case "$_a" in
") _a='.a';;
esac
case "$_o" in
") _o='.o';;
esac
```

```
@if firstmakefile
: Which makefile gets called first.  This is used by make depend.
case "$firstmakefile" in
") firstmakefile='makefile';;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Unix.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: sitebin.U,v $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: sitebin.U,v $
?RCS:
?MAKE:sitebin sitebinexp installsitebin : Getfile Oldconfig \
 Setprefixvar siteprefix
?MAKE: -pick add $@ %<
?Y:TOP
?D:sitebin="
?S:sitebin:
?S: This variable holds the name of the directory in which the user wants
?S: to put add-on publicly executable files for the package in question.  It
?S: is most often a local directory such as /usr/local/bin. Programs using
?S: this variable must be prepared to deal with ~name substitution.
?S: The standard distribution will put nothing
 in this directory.
?S: After perl has been installed, users may install their own local
?S: executables in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:sitebinexp="
?S:sitebinexp:
?S: This is the same as the sitebin variable, but is filename expanded at
?S: configuration time, for use in your makefiles.
?S:.
?D:installsitebin="
```

```
?S:installsitebin:
?S: This variable is usually the same as sitebinexp, unless you are on
?S: a system running AFS, in which case they may differ slightly. You
?S: should always use this variable within your makefiles for portability.
?S:.
?LINT:change prefixvar
?LINT:set installsitebin
?LINT:set sitebin
?LINT:set sitebinexp
: determine where add-on public executables go
case "$sitebin" in
") dflt=$siteprefix/bin ;;
*) dflt=$sitebin ;;
esac
fn=d~
rp='Pathname where the add-on public executables should be installed?'
. ./getfile
prefixvar=sitebin
. ./setprefixvar
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/sitebin.U
No license file was found, but licenses were detected in source scan.

```
/*
* $Id: dup2.C,v 3.0.1.1 1994/01/24 13:58:37 ram Exp ram $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* Original Author: Larry Wall <lwall@netlabs.com>
*
* $Log: dup2.C,v $
* Revision 3.0.1.1  1994/01/24  13:58:37  ram
* patch16: created
*
*/
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/C/fake/dup2.C

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorhtml3dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999, Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: vendorhtml3dir.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:vendorhtml3dir vendorhtml3direxp installvendorhtml3dir: html3dir Getfile \
 Oldconfig Setprefixvar Prefixit test vendorprefix prefix sed
?MAKE: -pick add $@ %<
?Y:TOP
?S:vendorhtml3dir:
?S: This variable contains the name of the directory for html
?S: library pages.  It may have a ~ on the front.
?S: The standard distribution will put nothing
 in this directory.
?S: Vendors who distribute perl may wish to place their own
?S: html pages for modules and extensions in this directory with
?S:  MakeMaker Makefile.PL INSTALLDIRS=vendor
?S: or equivalent.  See INSTALL for details.
?S:.
?S:vendorhtml3direxp:
?S: This variable is the ~name expanded version of vendorhtml3dir, so that you
?S: may use it directly in Makefiles or shell scripts.
?S:.
?D:installvendorhtml3dir="
?S:installvendorhtml3dir:
?S: This variable is really the same as vendorhtml3direxp but may differ on
?S: those systems using AFS. For extra portability, only this variable
?S: should be used in makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installvendorhtml3dir
: Set the vendorhtml3dir variables
case "$vendorprefix" in
") vendorhtml3dir="
 vendorhtml3direxp="
 ;;
*) : determine where vendor-supplied module html pages go.
```

```
 : There is no standard location, so try to copy the previously-selected
 : directory structure for the core html pages.
 : XXX Better default
 suggestions would be welcome.
 case "$vendorhtml3dir" in
 ") dflt=`echo "$html3dir" | $sed "s#^$prefix#$vendorprefix#"` ;;
 *) dflt=$vendorhtml3dir ;;
 esac
 case "$dflt" in
 "|' ') dflt=none ;;
 esac
 fn=dn+~
 rp='Pathname for the vendor-supplied html pages?'
 . ./getfile
 vendorhtml3dir="$ans"
 vendorhtml3direxp="$ansexp"
 ;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorhtml3dir" = "X" && vendorhtml3dir=' '
prefixvar=vendorhtml3dir
. ./installprefix
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorhtml3dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Whoa.U,v 3.0.1.2 1997/02/28 15:21:21 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Whoa.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  15:21:21  ram
?RCS: patch61: whoa script now starts with leading "startsh"
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  16:02:01  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:19  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
```

```
?X:
?X: This unit produces a bit of shell code that must be dotted in in order
?X: to warn the user in case a change into a variable
 is noticed.
?X:
?X: To use this unit, $was must hold the old value that has changed. Upon
?X: exit, the two variables $td and $tu are set to the correct value for
?X: respectively defining or undefining a variable. For instance, if $vas was
?X: $undef, but now $var is $define, after calling . whoa, you should use
?X: eval "$var=\$tu" to finally set $var to the correct value. See unit Inlibc.
?X:
?MAKE:Whoa: Myread startsh hint
?MAKE: -pick add $@ %<
?F:./whoa
?T:var was td tu hintfile
: set up the script used to warn in case of inconsistency
cat <<EOS >whoa
$startsh
EOS
cat <<'EOSC' >>whoa
dflt=y
case "$hint" in
   recommended)
 case "$hintfile" in
 ") echo "The $hint value for \$$var on this machine was \"$was\"!" >&4
  ;;
 *) echo "Hmm.  Based on the hints in hints/$hintfile.sh, " >&4
  echo "the $hint value for \$$var on this machine was \"$was\"!" >&4
  ;;
 esac
 ;;
   *) echo " "
 echo "*** WHOA THERE!!! ***" >&4
 echo "    The $hint value for \$$var on this machine was
 \"$was\"!" >&4
 ;;
esac
rp="    Keep the $hint value?"
. ./myread
case "$ans" in
y) td=$was; tu=$was;;
esac
EOSC
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Whoa.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Myinit.U,v 3.0 1993/08/18 12:05:07 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: This file is included with or a derivative work of a file included
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.
?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS:
?RCS:     You may distribute under the terms of either the GNU General Public
?RCS:     License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: Myinit.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:07  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: If you want to initialize any default values, copy this unit to your
?X: personal U directory and add the assignments to the end.  This file
?X: is included after variables are initialized but before any old
?X: config.sh file is read in and before any Configure switch processing.
?X:
?MAKE:Myinit
 libswanted: Init
?MAKE: -pick add $@ %<
?S:libswanted:
?S: This variable holds a list of all the libraries we want to
?S: search.  The order is chosen to pick up the c library
?S: ahead of ucb or bsd libraries for SVR4.
?S:.
?LINT:extern usevfork glibpth
?LINT:change usevfork glibpth
: List of libraries we want.
?X: Put crypt here, even though I should really fix d_crypt.U to look
?X: for it correctly, including possible shared library versions.
: If anyone needs extra -lxxx, put those in a hint file.
libswanted="cl pthread socket bind inet ndbm gdbm dbm db malloc dl ld"
libswanted="$libswanted sun m crypt sec util c cposix posix ucb bsd BSD"
: We probably want to search /usr/shlib before most other libraries.
: This is only used by the lib/ExtUtils/MakeMaker.pm routine extliblist.
glibpth=`echo " $glibpth " | sed -e 's! /usr/shlib ! !'`
glibpth="/usr/shlib $glibpth"
: Do not use vfork unless overridden by a hint file.
usevfork=false
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/U/modified/Myinit.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Oldsym.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Oldsym.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:06:58  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:13  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit follows the creation of the config.sh file. It adds some
?X: special symbols: defines from patchlevel.h file if any and PERL_CONFIG_SH,
?X: which is set to true. Then, we try to keep all the new symbols that
?X: may come from a hint
 file or a previous config.sh file.
?X:
?MAKE:Oldsym: Config_sh cat test hint src sed sort uniq perl_patchlevel
?MAKE: -pick add $@ %<
?T:PERL_CONFIG_SH PERL_PATCHLEVEL sym tmp
?F:!UU
: add special variables
$test -f $src/patchlevel.h && \
awk '/^#define[  ]+PERL_/ {printf "%s=%s\n",$2,$3}' $src/patchlevel.h >>config.sh
echo "PERL_PATCHLEVEL='$perl_patchlevel'" >>config.sh
echo "PERL_CONFIG_SH=true" >>config.sh

: propagate old symbols
if $test -f UU/config.sh; then
?X: Make sure each symbol is unique in oldconfig.sh
 <UU/config.sh $sort | $uniq >UU/oldconfig.sh
?X:
?X: All the symbols that appear twice come only from config.sh (hence the
?X: two config.sh in the command line). These symbols will be removed by
?X: the uniq -u command. The oldsyms file thus contains all the symbols
?X: that did not appear in the produced config.sh (Larry Wall).
?X:
?X: Do not touch the -u flag of uniq.  This means you too, Jarkko.
```

```
?X:
 $sed -n 's/^\([a-zA-Z_0-9]*\)=.*/\1/p' \
  config.sh config.sh UU/oldconfig.sh
 |\
  $sort | $uniq -u >UU/oldsyms
 set X `$cat UU/oldsyms`
 shift
 case $# in
 0) ;;
 *)
  $cat <<EOM
Hmm...You had some extra variables I don't know about...I'll try to keep 'em...
EOM
  echo ": Variables propagated from previous config.sh file." >>config.sh
  for sym in `$cat UU/oldsyms`; do
   echo "    Propagating $hint variable "'$'"$sym..."
   eval 'tmp="$'"${sym}"'"'
   echo "$tmp" | \
    sed -e "s/'/'\''\''/g" -e "s/^/$sym='/" -e "s/$/'/" >>config.sh
  done
  ;;
 esac
fi
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Oldsym.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: cf_name.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: cf_name.U,v $
?RCS: Revision 3.0.1.2  1994/05/06  14:29:36  ram
?RCS: patch23: fixed user name computation from /etc/passwd in bsd systems
?RCS:
?RCS: Revision 3.0.1.1  1994/01/24  14:05:11  ram
?RCS: patch16: created
?RCS:
```

```
?RCS:
?MAKE:+cf_name: cf_by passcat Filexp nametype cat test
?MAKE: -pick add $@ %<
?S:cf_name:
?S: Full name of the person who ran the Configure script and
 answered the
?S: questions. This can be used by units that require the user's full name.
?S: This variable is for internal use only.
?S:.
?T:xxx fn NAME
: figure out their full name
case "$NAME" in
") case "$nametype" in
 other)
  fn=`./filexp ~/.fullname`
  xxx=usg
  $test -f $fn && xxx=other
  ;;
 *)
  xxx="$nametype"
  ;;
 esac

 case "$xxx" in
 bsd)
  cf_name=`$passcat | grep "^$cf_by:" | \
   sed -e 's/^[^:]*:[^:]*:[^:]*:[^:]*:\([^:]*\):.*/\1/' \
   -e 's/,.*//'`
  ;;
   usg)
  cf_name=`$passcat | grep "^$cf_by:" | \
   sed -e 's/^[^:]*:[^:]*:[^:]*:[^:]*:\([^:]*\):.*/\1/' \
   -e 's/[^-]*-\(.*\)(.*)/\1/'`
  ;;
 *)
  cf_name=`$cat $fn`
  ;;
 esac
 ;;
*)
 cf_name="$NAME"
 ;;
esac
?X:
?X: In the original unit, Graham asked for the user name, in case the above
?X: code was unable to figure it out correctly. Since now cf_name has been
?X: made an internal variable only (i.e. it is not saved in config.sh), letting
?X: the user override the computed default each time would be a pain.
```

```
?X:
 Therefore, I have decided to trust the above code to get it right, and for
?X: those rare cases where it will fail, too bad :-) --RAM.
?X:
echo " "
echo "Pleased to meet you, $cf_name."
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/cf_name.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Whoa.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  15:21:21  ram
?RCS: patch61: whoa script now starts with leading "startsh"
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  16:02:01  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:19  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in in order
?X: to warn the user in case a change into a variable is noticed.
?X:
?X: To use this
 unit, $was must hold the old value that has changed. Upon
?X: exit, the two variables $td and $tu are set to the correct value for
?X: respectively defining or undefining a variable. For instance, if $vas was
?X: $undef, but now $var is $define, after calling . whoa, you should use
?X: eval "$var=\$tu" to finally set $var to the correct value. See unit Inlibc.
?X:
?MAKE:Whoa: Myread startsh hint
?MAKE: -pick add $@ %<
?F:./whoa
?T:var was
?LINT:change td tu
```

```
: set up the script used to warn in case of inconsistency
cat <<EOS >whoa
$startsh
EOS
cat <<'EOSC' >>whoa
dflt=y
echo " "
echo "*** WHOA THERE!!! ***" >&4
echo "    The $hint value for \$$var on this machine was \"$was\"!" >&4
rp="    Keep the $hint value?"
. ./myread
case "$ans" in
y) td=$was; tu=$was;;
esac
EOSC
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Whoa.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: contains.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: contains.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:35  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:contains: Nothing
?MAKE: -pick add $@ %<
?S:contains:
?S: This variable holds the command to do a grep with a proper return
?S: status.  On most sane systems it is simply "grep".  On insane systems
?S: it is a grep followed by a cat followed by a test.  This variable
?S: is primarily for the use of other Configure units.
?S:.
: Some
 greps do not return status, grrr.
echo "grimblepritz" >grimble
if grep blurfldyick grimble >/dev/null 2>&1 ; then
 contains=contains
```

```
elif grep grimblepritz grimble >/dev/null 2>&1 ; then
 contains=grep
else
 contains=contains
fi
rm -f grimble
: the following should work in any shell
case "$contains" in
contains*)
 echo " "
 echo "AGH!  Grep doesn't return a status.  Attempting remedial action."
 cat >contains <<'EOSS'
grep "$1" "$2" >.greptmp && cat .greptmp && test -s .greptmp
EOSS
chmod +x contains
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/contains.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: prototype.U,v 3.0.1.3 1994/05/06 15:11:49 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: prototype.U,v $
?RCS: Revision 3.0.1.3  1994/05/06  15:11:49  ram
?RCS: patch23: ensure cc flags used when looking for prototype support
?RCS:
?RCS: Revision 3.0.1.2  1994/01/24  14:15:36  ram
?RCS: patch16: prototype handling macros now appear only when needed
?RCS:
?RCS: Revision 3.0.1.1  1993/08/25  14:03:12  ram
?RCS: patch6: defines were referring to non-existent VOID symbol
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:36  ram
?RCS: Baseline for dist
 3.0 netwide release.
?RCS:
?MAKE:prototype: Nothing
?S:prototype:
```

```
?S: This variable holds the eventual value of CAN_PROTOTYPE, which
?S: indicates the C compiler can handle function prototypes.
?S:.
: stub, never used
prototype=nothing
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/prototype.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: man1dir.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:10:29  ram
?RCS: patch61: created
?RCS:
?X:
?X: This was originally specific to perl5.  Since perl5 has man pages that
?X: go in both man1/ and man3/ directories, we need both man1dir
?X: and man3dir.  This unit is basically dist's mansrc.U with
?X: man1 used instead of man everywhere.
?X:
?MAKE:man1dir man1direxp man1ext installman1dir: afs cat nroff Loc Oldconfig \
 spackage test Getfile Prefixit prefixexp
 Prefixup sysman Myread
?MAKE: -pick add $@ %<
?Y:TOP
?S:man1dir:
?S: This variable contains the name of the directory in which manual
?S: source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?S:man1direxp:
?S: This variable is the same as the man1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?S:installman1dir:
```

```
?S: This variable is really the same as man1direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man1direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:man1ext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '1'.  The Makefile must supply the '.'.
?S: See man1dir.
?S:.
?T:lookpath
: determine
 where manual pages go
set man1dir man1dir none
eval $prefixit
$cat <<EOM

$spackage has manual pages available in source form.
EOM
case "$nroff" in
nroff)
 echo "However, you don't have nroff, so they're probably useless to you."
 case "$man1dir" in
 ") man1dir="none";;
 esac;;
esac
echo "If you don't want the manual sources installed, answer 'none'."
case "$man1dir" in
' ') dflt=none
 ;;
")
 lookpath="$prefixexp/man/man1 $prefixexp/man/l_man/man1"
 lookpath="$lookpath $prefixexp/man/p_man/man1"
 lookpath="$lookpath $prefixexp/man/u_man/man1"
 lookpath="$lookpath $prefixexp/man/man.1"
?X: Experience has shown people expect man1dir to be under prefix,
?X: so we now always put it there.  Users who want other behavior
?X: can answer interactively or use a command line option.
?X: Does user have System V-style man paths.
 case "$sysman" in
 */?_man*) dflt=`./loc . $prefixexp/l_man/man1 $lookpath` ;;
 *) dflt=`./loc . $prefixexp/man/man1 $lookpath` ;;
 esac
 set dflt
 eval $prefixup
 ;;
*)
```

```
  dflt="$man1dir"
 ;;
esac
echo " "
fn=dn+~
rp="Where do the main $spackage manual pages (source) go?"
. ./getfile
if $test "X$man1direxp" != "X$ansexp"; then
 installman1dir=''
fi
man1dir="$ans"
man1direxp="$ansexp"
case "$man1dir" in
'') man1dir=' '
 installman1dir='';;
esac
if $afs; then
 $cat <<EOM

Since you are running AFS, I need to distinguish the directory in which
manual pages reside from the directory in which they are installed (and from
which they are presumably copied to the former directory by occult means).

EOM
 case "$installman1dir" in
 '') dflt=`echo $man1direxp | sed 's#^/afs/#/afs/.#'`;;
 *) dflt="$installman1dir";;
 esac
 fn=de~
 rp='Where will man pages be installed?'
 . ./getfile
 installman1dir="$ans"
else
 installman1dir="$man1direxp"
fi

: What suffix to use on installed man pages

case "$man1dir" in
' ')
 man1ext='0'
 ;;
*)
 rp="What suffix should be used for the main $spackage man pages?"
 case "$man1ext" in
 '') case "$man1dir" in
  *1)  dflt=1 ;;
  *1p)
```

```
 dflt=1p ;;
  *1pm) dflt=1pm ;;
  *l) dflt=l;;
  *n) dflt=n;;
  *o) dflt=o;;
  *p) dflt=p;;
  *C) dflt=C;;
  *L) dflt=L;;
  *L1) dflt=L1;;
  *) dflt=1;;
  esac
  ;;
 *) dflt="$man1ext";;
 esac
 . ./myread
 man1ext="$ans"
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/man1dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Typedef.U,v 3.0.1.3 1995/07/25 13:42:07 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Typedef.U,v $
?RCS: Revision 3.0.1.3  1995/07/25  13:42:07  ram
?RCS: patch56: added backslash escapes within evals to prevent space problems
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  16:01:16  ram
?RCS: patch36: don't clobber visible 'val' variable, use 'varval' instead
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:05:14  ram
?RCS: patch32: created
?RCS:
?X:
?X: This unit checks for the definition of a given typedef.
?X:
?X: To use it, say:
```

```
?X: set typedef
 val_t default [includes]
?X: eval $typedef
?X:
?MAKE:Typedef: cppstdin cppminus cppflags rm sed contains Oldconfig Myread
?MAKE: -pick add $@ %<
?LINT:define typedef
?LINT:define typedef_ask
?V:typedef typedef_ask
?S:typedef:
?S: This shell variable is used internally by Configure to check
?S: whether a given typedef is defined or not. A typical use is:
?S:  set typedef val_t default [includes]
?S:  eval $typedef
?S: That will return val_t set to default if the typedef was not found,
?S: to typedef otherwise. If no includes are specified, look in sys/types.h.
?S:.
?S:typedef_ask:
?S: This shell variable is used internally by Configure to check
?S: whether a given typedef is defined or not.  If it is not defined,
?S: this will call the ./myread script to prompt for an answer.
?S: It is intended to be used to avoid unnecessary prompts.
?S: A typical use is
?S:  rp="What is the type for file position used by fsetpos()?"
?S:  set fpos_t fpostype long stdio.h sys/types.h
?S:  eval $typedef_ask
?S: This
 will set fpostype=fpos_t, if fpos_t is available.  Otherwise
?S: it will call myread with a default of 'long', and a prompt of $rp.
?S:.
?T:type var def inclist varval inc
?F:!temp.c
: define an is-a-typedef? function
typedef='type=$1; var=$2; def=$3; shift; shift; shift; inclist=$@;
case "$inclist" in
"") inclist="sys/types.h";;
esac;
eval "varval=\$$var";
case "$varval" in
"")
 $rm -f temp.c;
 for inc in $inclist; do
  echo "#include <$inc>" >>temp.c;
 done;
?X: Maybe it's a #define instead of a typedef.
 echo "#ifdef $type" >> temp.c;
 echo "printf(\"We have $type\");" >> temp.c;
 echo "#endif" >> temp.c;
```

```
 $cppstdin $cppflags $cppminus < temp.c >temp.E 2>/dev/null;
 if $contains $type temp.E >/dev/null 2>&1; then
  eval "$var=\$type";
 else
  eval "$var=\$def";
 fi;
 $rm -f temp.?;;
*) eval "$var=\$varval";;
esac'

?X: Originally, I eval'd $typedef and then checked the results against
?X: $type.  Unfortunately, it then became complicated to check
?X: whether you are re-using
 an old config.sh value, and the logic got
?X: so convoluted it became easier to just copy the function above
?X: and alter it slightly.  A.D.  3/1998
: define an is-a-typedef? function that prompts if the type is not available.
typedef_ask='type=$1; var=$2; def=$3; shift; shift; shift; inclist=$@;
case "$inclist" in
"") inclist="sys/types.h";;
esac;
eval "varval=\$$var";
case "$varval" in
"")
 $rm -f temp.c;
 for inc in $inclist; do
  echo "#include <$inc>" >>temp.c;
 done;
?X: Maybe it's a #define instead of a typedef.
 echo "#ifdef $type" >> temp.c;
 echo "printf(\"We have $type\");" >> temp.c;
 echo "#endif" >> temp.c;
 $cppstdin $cppflags $cppminus < temp.c >temp.E 2>/dev/null;
 echo " " ;
 echo "$rp" | $sed -e "s/What is/Looking for/" -e "s/?/./";
 if $contains $type temp.E >/dev/null 2>&1; then
  echo "$type found." >&4;
  eval "$var=\$type";
 else
  echo "$type NOT found." >&4;
  dflt="$def";
  . ./myread ;
  eval "$var=\$ans";
 fi;
 $rm -f temp.?;;
*) eval "$var=\$varval";;
esac'
```

```
Found
 in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/Typedef.U
No license file was found, but licenses were detected in source scan.

/*|?:[\/]*)
if test -f "$xxx"; then
: ok
else
echo "WARNING: no $xxx -- ignoring your setting for $file." >&4
xxx=`./loc $file $file $pth`
fi
;;
") xxx=`./loc $file $file $pth`;;
*) xxx=`./loc $xxx $xxx $pth`;;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\/]*)
echo $file is in $xxx.
;;
*)
echo "I don't know where '$file' is, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac
done
echo " "
echo "Don't worry if any of the following aren't found..."
say=offhand
for file in $trylist; do
?X: Allow them to -Dmake=pmake on the command line for instance (see above)
eval xxx=\$$file
case "$xxx" in
/*|?:[\/]*)
if test -f "$xxx"; then
: ok
else
echo "WARNING: no $xxx -- ignoring your setting for $file." >&4
xxx=`./loc $file $file $pth`
fi
```

```
;;
") xxx=`./loc $file $file $pth`;;
*)
 xxx=`./loc $xxx $xxx $pth`;;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\\/]*)
echo $file is in $xxx.
;;
*)
echo "I don't see $file out there, $say."
say=either
;;
esac
done
case "$egrep" in
egrep)
echo "Substituting grep for egrep."
egrep=$grep
_egrep=$grep
;;
esac
@if less
case "$less" in
") ;;
*) if $less -R </dev/null >/dev/null 2>&1; then
echo "Substituting less -R for less."
less="$less -R"
_less=$less
fi
;;
esac
@end
@if ln
case "$ln" in
ln)
echo "Substituting cp for ln."
ln=$cp
_ln=$cp
;;
esac
@end
```

```
@if make || gmake
case "$make" in
make)
case "$gmake" in
gmake)
echo "I can't find make or gmake, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac
;;
esac
case "$gmake" in
gmake) ;;
*) # We can't have osname yet.
if test -f "/system/gnu_library/bin/ar.pm"; then # Stratus VOS
# Assume that gmake, if found, is definitely
 GNU make
# and prefer it over the system make.
echo "Substituting gmake for make."
make=$gmake
_make=$gmake
fi
;;
esac
@end
case "$test" in
test)
echo "Hopefully test is built into your sh."
;;
*)
if `sh -c "PATH= test true" >/dev/null 2>&1`; then
echo "Using the test built into your sh."
?X:
?X: We need to set both test and _test, since Oldconfig.U will use the _test
?X: value to systematically restore computed paths, which may be wrong if
?X: we choose to load an old config.sh generated on another platform.
?X:
test=test
_test=test
fi
;;
esac
?LINT:change n c
case "$echo" in
echo)
echo "Hopefully echo is built into your sh."
;;
```

```
?X: For those rare cases where we don't need $echo...
") ;;
*)
echo " "
echo "Checking compatibility between $echo and builtin echo (if any)..." >&4
$echo $n "hi there$c" >foo1
echo $n "hi there$c" >foo2
if cmp foo1 foo2 >/dev/null 2>&1; then
echo "They are compatible.  In fact, they may be identical."
else
case "$n" in
'-n') n=" c='\c';;
*) n='-n' c=";;
esac
cat
 <<FOO
They are not compatible!  You are probably running ksh on a non-USG system.
I'll have to use $echo instead of the builtin, since Bourne shell doesn't
have echo built in and we may have to run some Bourne shell scripts.  That
means I'll have to use '$n$c' to suppress newlines now.  Life is ridiculous.

FOO
$echo $n "The star should be here-->$c"
$echo "*"
fi
$rm -f foo1 foo2
;;
esac

?X: The next part is irrelevant to the real process
# This question was auctioned at YAPC::Europe-2007 in Vienna
# I never promised you could answer it. I only auctioned the question.
cat <<FOO
The following message is sponsored by

Dresden.pm<--The stars should be here.

Dear Perl user, system administrator or package
maintainer, the Perl community sends greetings to
you. Do you (emblematical) greet back [Y/n]? n

FOO
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Loc.U
No license file was found, but licenses were detected in source scan.

```
# Yes, you may rip this off to use in other distribution packages. This
# script belongs to the public domain and cannot be copyrighted.
#
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Head.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Head.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libdbm.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libdbm.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:56:57  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:58  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libdbm: test Loc libpth _a
?MAKE: -pick add $@ %<
?S:libdbm:
?S: This variable contains the argument to pass to the loader in order
?S: to get the dbm library routines.  If there is no dbm or ndbm
?S: library, it is null.
?S:.
?T:xxx
:
 see if we should include -ldbm
echo " "
if $test -r /usr/lib/libndbm$_a || $test -r /usr/local/lib/libndbm$_a ; then
 echo "-lndbm found." >&4
 libdbm='-lndbm'
elif $test -r /usr/lib/libdbm$_a || $test -r /usr/local/lib/libdbm$_a ; then
 echo "-ldbm found." >&4
 libdbm='-ldbm'
else
 xxx=`./loc libdbm$_a x $libpth`
 case "$xxx" in
```

```
 x)
  echo "No dbm library found." >&4
  libdbm=''
  ;;
 *)
  echo "DBM library found in $xxx." >&4
  libdbm="$xxx"
  ;;
 esac
fi
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libdbm.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: cf_email.U,v $
?RCS: Revision 3.0.1.1  1994/01/24  14:05:06  ram
?RCS: patch16: created
?RCS:
?RCS:
?MAKE:cf_email: cat cf_by test myhostname mydomain Oldconfig Myread
?MAKE: -pick add $@ %<
?S:cf_email:
?S: Electronic mail address of the person who ran Configure. This can be
?S: used by units that require the user's e-mail, like MailList.U.
?S:.
?T:cont maildomain
?LINT:extern MAILDOMAIN
: determine the e-mail address of the user who is running us
$cat <<EOM

I need to get your e-mail address
 in Internet format if possible, i.e.
something like user@host.domain. Please answer accurately since I have
no easy means to double check it. The default value provided below
is most probably close to reality but may not be valid from outside
your organization...
```

```
EOM
cont=x
while test "$cont"; do
 case "$MAILDOMAIN" in
 ")
  if $test -s /etc/mailname; then
   maildomain=`$cat /etc/mailname`
  else
   maildomain="$myhostname$mydomain"
  fi
  ;;
 *)  maildomain="$MAILDOMAIN";;
 esac
 case "$cf_email" in
 ") dflt="$cf_by@$maildomain";;
 *)  dflt="$cf_email";;
 esac
 rp='What is your e-mail address?'
 . ./myread
 cf_email="$ans"
 case "$cf_email" in
 *@*.*) cont=" ;;
 *)
  rp='Address does not look like an Internet one.  Use it anyway?'
  case "$fastread" in
  yes) dflt=y ;;
  *) dflt=n ;;
  esac
  . ./myread
  case "$ans" in
  y*) cont=" ;;
  *) echo " " ;;
  esac
  ;;
 esac
done
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/cf_email.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Myread.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Myread.U,v $
?RCS: Revision 3.0.1.6  1997/02/28  15:05:39  ram
?RCS: patch61: myread script now starts with a "startsh"
?RCS: patch61: miscellaneous fixes
?RCS:
?RCS: Revision 3.0.1.5  1995/01/11  15:14:22  ram
?RCS: patch45: added & escape allowing user to turn on -d from the prompt
?RCS:
?RCS: Revision 3.0.1.4  1994/10/31  09:48:04  ram
?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U
?RCS:
?RCS: Revision 3.0.1.3  1994/10/29
  15:56:20  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0.1.2  1993/08/30  08:57:59  ram
?RCS: patch8: added new visible 'nostick' symbol, mainly for Finish.U
?RCS:
?RCS: Revision 3.0.1.1  1993/08/27  14:39:20  ram
?RCS: patch7: now sticks to the question when no default and empty answer
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:08  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in in order
?X: to do a read.  It allows for shell escapes, default assignment and
?X: parameter evaluation.
?X:
?X: To use this unit, $rp and $dflt must hold the question and the
?X: default answer. The question will be printed by the script itself.
?X: Neither $rp nor $dflt is altered by the script.
?X:
?X: The myread script will stick to the question if no default is proposed
?X: and the user answer is empty, which prevents mistakes. However, at the
?X: end of Configure, there is an exception
 to this rule (Finish.U) where we
?X: set nostick to a non-empty value to allow the Return key to play its role!
?X:
?MAKE:Myread: Options startsh n c trnl
?MAKE: -pick add $@ %<
?V:ans:dflt rp nostick
?F:./myread
```

```
?T:COLUMNS xxxm rp dflt answ aok myecho
?LINT:change fastread
?X: Some shells (Ultrix) do not understand ${COLUMNS:-80}, sigh!
: compute the number of columns on the terminal for proper question formatting
case "$COLUMNS" in
") COLUMNS='80';;
esac

: set up the echo used in my read
?X:
?X: This variable is intended to be eval'ed. It will echo the two
?X: variables $rp and $dflt (provided this latter has a non null value).
?X: It is mainly used by the myread script to echo the questions.
?X:
?X: The $n and $c below are substituted before Loc does its silly echo check
?X: so don't put a $ on the echo below so we get builtin, even if $echo is
?X: pointing to /bin/echo.
?X:
myecho="case \"\$xxxm\" in
") echo $n \"\$rp $c\" >&4;;
*) case \"\$rp\" in
 ") echo $n \"[\$xxxm] $c\";;
 *)
  if
 test \`echo \"\$rp [\$xxxm]  \" | wc -c\` -ge $COLUMNS; then
   echo \"\$rp\" >&4
   echo $n \"[\$xxxm] $c\" >&4
  else
   echo $n \"\$rp [\$xxxm] $c\" >&4
  fi
  ;;
 esac;;
esac"

: now set up to do reads with possible shell escape and default assignment
cat <<EOSC >myread
$startsh
?X:
?X: Save value of default -- do not alter original in case of eval
?X:
xxxm=\$dflt
$myecho
?X:
?X: If there is no default, then stop, regardless of the value in fastread.
?X: In silent mode, no new-line is to be echoed if the question is empty,
?X: since this is used to wait for the "return" key.
?X:
ans='!'
```

```
case "\$fastread" in
yes) case "\$dflt" in
 ") ;;
 *) ans=";
  case "\$silent-\$rp" in
  true-) ;;
  *) echo " " >&4;;
  esac;;
 esac;;
*) case "\$silent" in
 true) case "\$rp" in
  ") ans=";;
  esac;;
 esac;;
esac
while expr "X\$ans" : "X!" >/dev/null; do
 read answ
?X:
?X: Run 'eval' on the answer, in order to do variable substitution, in case
?X: the user types $HOME or $WHATEVER.
 Variables must be evaluated now.
?X: Typing '\$HOME' won't currently prevent from substitution -- use '\\$HOME'
?X: The $1 .. $9 and $*, as well as $@, are available to refer to the
?X: default value.
?X:
 set x \$xxxm
 shift
 aok=''; eval "ans=\\"\$answ\\"" && aok=y
 case  "\$answ" in
?X:
?X: Use "!" and not a plain ! because of a bug in BSD 4.4 shell
?X: (reported by Wayne Davison)
?X: We must handle the shell escapes before dealing with possible variable
?X: substitution, since the shell we're launching in that case will be able
?X: to do it as well as we can -- RAM, 15/03/96
?X
 "!")
  sh 1>&4
  echo " "
  $myecho
  ;;
 !*)
  set x \`expr "X\$ans" : "X!\(.*\)\$"\`
  shift
  sh 1>&4 -c "\$*"
  echo " "
  $myecho
  ;;
```

```
 "\$ans")
  case "\$ans" in
?X:
?X: Answers starting with & are hooks allowing to dynamically turn on/off
?X: some Configure options. That's for the future. -- RAM, 09/01/95
?X: Today, we only recognize '& -d' to mean 'go on as if Configure -d, which
?X: is a hardwired
 behaviour compatible with our general scheme.
?X:
  \\&*)
   set x \`expr "X\$ans" : "X&\(.*\)\$"\`
   shift
   case "\$1" in
   -d)
    fastread=yes
    echo "(OK, I'll run with -d after this question.)" >&4
    ;;
   -*)
    echo "*** Sorry, \$1 not supported yet." >&4
    ;;
   esac
   $myecho
   ans=!
   ;;
  esac;;
 *)
  case "\$aok" in
  y)
   echo "*** Substitution done -- please confirm."
   xxxm="\$ans"
   ans=\`echo $n "\$ans$c" | tr '$trnl' ' '\`
   xxxm="\$ans"
   ans=!
   ;;
  *)
   echo "*** Error -- try again."
   ans=!
   ;;
  esac
  $myecho
  ;;
 esac
?X: Stick in myread if no default answer and nothing was answered
 case "\$ans\$xxxm\$nostick" in
 ")
  ans=!
  $myecho
  ;;
```

```
 esac
done
case "\$ans" in
") ans="\$xxxm";;
esac
EOSC
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Myread.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Mkdirp.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extract.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  14:58:52  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  15:51:46  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:52  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a shell script which can launched to create a
?X: directory path like "mkdir -p" would do.
?X:
?MAKE:Mkdirp:
 eunicefix startsh
?MAKE: -pick add $@ %<
?F:./mkdirp
?T:name create file
: script used to emulate mkdir -p
cat >mkdirp <<EOS
$startsh
EOS
cat >>mkdirp <<'EOS'
name=$1;
create="";
```

```
while test $name; do
 if test ! -d "$name"; then
  create="$name $create"
  name=`echo $name | sed -e "s|^[^/]*$||"`
  name=`echo $name | sed -e "s|\(.*\)/.*|\1|"`
 else
  name=""
 fi
done
for file in $create; do
 mkdir $file
done
EOS
chmod +x mkdirp
$eunicefix mkdirp
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Mkdirp.U
No license file was found, but licenses were detected in source scan.

```
# $Id: makedir.sh,v 3.0.1.1 1994/01/24 14:00:08 ram Exp ram $
#
#  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
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#  as specified in the README file that comes with the distribution.
#  You may reuse parts of this distribution only within the terms of
#  that same Artistic Licence; a copy of which may be found at the root
#  of the source tree for dist 4.0.
#
# Original Author: Larry Wall <lwall@netlabs.com>
#
# $Log: makedir.sh,v $
# Revision 3.0.1.1  1994/01/24  14:00:08  ram
# patch16: changed top ln-style config.sh lookup into test-style one
#
# Revision 3.0  1993/08/18  12:04:38  ram
# Baseline for dist 3.0 netwide release.
#
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/makedir.SH
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: patchlevel.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:18:41  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:31  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:patchlevel: package baserev test rsrc
?MAKE: -pick add $@ %<
?T:Revision
?S:patchlevel:
?S: The patchlevel level of this package.
?S: The value of patchlevel comes from the patchlevel.h file.
?S:.
: get the patchlevel
echo " "
echo "Getting the current patchlevel..." >&4
if $test -r
 $rsrc/patchlevel.h;then
 patchlevel=`awk \
  '/^#[  ]*define[  ][  ]*PATCHLEVEL/ {print $3}' \
  < $rsrc/patchlevel.h`
else
 patchlevel=0
fi
echo "(You have $package $baserev PL$patchlevel.)"
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/patchlevel.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: warnflags.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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```

```
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Orginal Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: warnflags.U,v $
?RCS: Revision 3.0  1993/08/18  12:10:02  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:warnflags: cat cc contains Myread Guess Oldconfig Findhdr
?MAKE: -pick add $@ %<
?S:warnflags:
?S: This variable contains any additional C compiler flags to generate
?S: warnings from the compiler. It is up to the Makefile to use this.
?S:.
: offer additional
 warning flags for compilation
$cat <<EOH

You may wish to compile with extra compiler warnings enabled.
Note that doing so enhances your chance of receiving your free set of steak
knives, particularly if you find any bugs and report them.
If you don't want extra warnings, answer "none".

EOH
case "$warnflags" in
") case "$cc" in
 *gcc*)
  dflt="-Wall -Wno-comment"
  if $contains 'fprintf' `./findhdr stdio.h` >/dev/null 2>&1; then
   :
  else
   dflt="$dflt -Wno-implicit"
  fi
  ;;
 *) dflt="none";;
 esac
 ;;
' ') dflt="none";;
*) dflt="$warnflags";;
esac

rp="Any $cc flags to enable warnings?"
. ./myread
case "$ans" in
none) warnflags=' ';;
*) warnflags="$ans";;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/warnflags.U
No license file was found, but licenses were detected in source scan.

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?RCS: You may distribute under the terms of either the GNU General Public

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_sigsetjmp.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_sigsetjmp.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: libflex.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libflex.U,v $
?RCS: Revision 3.0.1.3 1997/02/28 15:57:48 ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.2 1994/05/06 15:07:02 ram
?RCS: patch23: now uses full library path instead of -l notation
?RCS:
?RCS: Revision 3.0.1.1 1994/01/24 14:13:25 ram
?RCS: patch16: un-obsoleted this unit to allow smooth lex/flex compilations
?RCS:
?RCS: Revision 3.0 1993/08/18 12:08:59 ram
?RCS: Baseline for dist 3.0 netwide
 release.
?RCS:
?MAKE:libflex: Loc lex libpth _a
?MAKE: -pick add $@ %<
?S:libflex:
?S: This variable contains the argument to pass to the loader in order
?S: to get the flex/lex library routines. If there is no flex or flex
?S: library, it is null.
?S:.
?T:xxx
: see if we should include -lfl

```
echo " "
case "$lex" in
*flex)
 xxx=`./loc libfl$_a x $libpth`
 case "$xxx" in
 x)
  echo "No flex library found." >&4
  libflex=''
  ;;
 *)
  echo "flex library found in $xxx." >&4
  libflex="$xxx"
  ;;
 esac
 ;;
*lex)
 xxx=`./loc libl$_a x $libpth`
 case "$xxx" in
 x)
  echo "No lex library found." >&4
  libflex=''
  ;;
 *)
  echo "lex library found in $xxx." >&4
  libflex="$xxx"
  ;;
 esac
 ;;
*)
echo "You don't seem to have lex or flex, so I won't look for libraries." >&4
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libflex.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
```

```
?RCS: $Log: sysman.U,v $
?RCS: Revision 3.0.1.2  1994/06/20  07:08:43  ram
?RCS: patch30: now explicitly states that /usr/man/man1 is the default
?RCS: patch30: added /usr/local/man/man1 to the search list
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:13:50  ram
?RCS: patch10: added support for /local/man/man1 (WAD)
?RCS: patch10: added temporary syspath variable to cut down on line length
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:55  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:sysman: test
 Loc Oldconfig
?MAKE: -pick add $@ %<
?S:sysman:
?S: This variable holds the place where the manual is located on this
?S: system. It is not the place where the user wants to put his manual
?S: pages. Rather it is the place where Configure may look to find manual
?S: for unix commands (section 1 of the manual usually). See mansrc.
?S:.
?T:syspath
: determine where manual pages are on this system
echo " "
case "$sysman" in
")
 syspath='/usr/share/man/man1 /usr/man/man1'
 syspath="$syspath /usr/man/mann /usr/man/manl /usr/man/local/man1"
 syspath="$syspath /usr/man/u_man/man1 /usr/share/man/man1"
 syspath="$syspath /usr/catman/u_man/man1 /usr/man/l_man/man1"
 syspath="$syspath /usr/local/man/u_man/man1 /usr/local/man/l_man/man1"
 syspath="$syspath /usr/man/man.L /local/man/man1 /usr/local/man/man1"
 sysman=`./loc . /usr/man/man1 $syspath`
 ;;
esac
if $test -d "$sysman"; then
 echo "System manual is in $sysman." >&4
else
 echo "Could not find manual pages in source form." >&4
fi

Found
 in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/sysman.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: Configdir.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
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?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Configdir.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  14:58:36  ram
?RCS: patch61: have README explicitly mention the package name
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:49  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:Configdir: package
?MAKE: -pick add $@ %<
: create .config dir to save info across Configure sessions
test -d ../.config || mkdir ../.config
cat >../.config/README <<EOF
This directory created by Configure to save
 information that should
persist across sessions for $package.

You may safely delete it if you wish.
EOF
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Configdir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:siteman1dir siteman1direxp installsiteman1dir: Getfile \
 Setprefixvar prefix siteprefix man1dir sed
?MAKE: -pick add $@ %<
?Y:TOP
?D:siteman1dir="
```

```
?S:siteman1dir:
?S: This variable contains the name of the directory in which site-specific
?S: manual source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S: The standard distribution will put nothing in this directory.
?S: After perl
 has been installed, users may install their own local
?S: man1 pages in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:siteman1direxp="
?S:siteman1direxp:
?S: This variable is the same as the siteman1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installsiteman1dir="
?S:installsiteman1dir:
?S: This variable is really the same as siteman1direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man1direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installsiteman1dir
?LINT:set siteman1dir
?LINT:set siteman1direxp
: determine where add-on manual pages go
case "$siteman1dir" in
") dflt=`echo $man1dir | $sed "s#^$prefix#$siteprefix#"` ;;
*) dflt=$siteman1dir ;;
esac
case "$dflt" in
"|' ') dflt=none ;;
esac
fn=dn+~
rp='Pathname
 where the site-specific manual pages should be installed?'
. ./getfile
prefixvar=siteman1dir
. ./setprefixvar
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/siteman1dir.U
No license file was found, but licenses were detected in source scan.

```
/*
* $Id: rename.C,v 3.0.1.1 1994/01/24 13:58:42 ram Exp ram $
*
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*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* $Log: rename.C,v $
* Revision 3.0.1.1  1994/01/24  13:58:42  ram
* patch16: created
*
*/
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/C/fake/rename.C
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libc.U,v $
?RCS: Revision 3.0.1.10  1997/02/28  15:56:48  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS: patch61: added support for HPUX-10 nm output
?RCS:
?RCS: Revision 3.0.1.9  1995/07/25  14:11:56  ram
?RCS: patch56: now knows about OS/2 platforms
?RCS:
?RCS: Revision 3.0.1.8  1995/05/12  12:20:47  ram
?RCS: patch54: made sure only most recent version of shared lib is picked
?RCS: patch54: final "nm -p" check now uses xscan and xrun
 like everybody
?RCS: patch54: can now grok Linux nm output with lead __IO (ADO)
?RCS: patch54: added support for Linux ELF output, using 'W' for alias (ADO)
?RCS:
?RCS: Revision 3.0.1.7  1994/10/29  16:23:40  ram
```

```
?RCS: patch36: now looks for shared libraries before anything else (ADO)
?RCS: patch36: added new nm output format (ADO)
?RCS:
?RCS: Revision 3.0.1.6  1994/08/29  16:28:10  ram
?RCS: patch32: added I-type symbols for nm output parsing on Linux
?RCS:
?RCS: Revision 3.0.1.5  1994/06/20  07:03:24  ram
?RCS: patch30: checks are now presented by succession of if/elif
?RCS: patch30: uniformized checks for shared objects with new so symbol
?RCS:
?RCS: Revision 3.0.1.4  1994/05/06  15:06:33  ram
?RCS: patch23: added shared library knowledge (ADO and WED)
?RCS:
?RCS: Revision 3.0.1.3  1994/01/24  14:12:17  ram
?RCS: patch16: can now export nm_extract as an internal-use only variable
?RCS:
?RCS: Revision 3.0.1.2  1993/09/13  16:09:03  ram
?RCS: patch10: added special handling for Apollo
 systems (WAD)
?RCS:
?RCS: Revision 3.0.1.1  1993/08/27  14:40:03  ram
?RCS: patch7: added entry for /usr/shlib/libc.so (OSF/1 machines)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:57  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libc +nm_extract: echo n c rm test grep Getfile Myread Oldconfig Loc \
 sed libs incpath libpth ar runnm nm nm_opt nm_so_opt contains xlibpth \
 so _a _o osname trnl tr sort uniq sysroot
?MAKE: -pick add $@ %<
?S:libc:
?S: This variable contains the location of the C library.
?S:.
?S:nm_extract:
?S: This variable holds the name of the extraction command used to process
?S: the output of nm and yield the list of defined symbols. It is used
?S: internally by Configure.
?S:.
?T:thislib try libnames xxx xscan xrun thisname com tans file
?F:!libnames !libc.tmp !tmp.imp
?LINT:extern PASE
?LINT:extern libnames
?LINT:change nm_opt
?INIT:libnames=''
: Figure out where the libc is located
case "$runnm" in
true)
?X: indentation is wrong on purpose--RAM
```

```
:
 get list of predefined functions in a handy place
echo " "
case "$libc" in
") libc=unknown
 case "$libs" in
 *-lc_s*) libc=`./loc libc_s$_a $libc $libpth`
 esac
 ;;
esac
case "$libs" in
") ;;
*)  for thislib in $libs; do
 case "$thislib" in
 -lc|-lc_s)
  : Handle C library specially below.
  ;;
 -l*)
  thislib=`echo $thislib | $sed -e 's/^-l//'`
  if try=`./loc lib$thislib.$so.'*' X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib.$so X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib$_a X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc $thislib$_a X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc lib$thislib X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc $thislib X $libpth`; $test -f "$try"; then
   :
  elif try=`./loc Slib$thislib$_a X $xlibpth`; $test -f "$try"; then
   :
  else
   try="
  fi
  libnames="$libnames $try"
  ;;
 *) libnames="$libnames $thislib" ;;
 esac
 done
 ;;
esac
?X:
?X: Some systems (e.g. DG/UX) use
 "environmental" links, which make the test
?X: -f fail. Ditto for symbolic links. So in order to reliably check the
?X: existence of a file, we use test -r. It will still fail with DG/UX links
```

```
?X: though, but at least it will detect symbolic links. At some strategic
?X: points, we make use of (test -h), using a sub-shell in case builtin test
?X: does not implement the -h check for symbolic links. This makes it
?X: possible to preset libc in a hint file for instance and have it show up
?X: as-is in the question.
?X:
xxx=normal
case "$libc" in
unknown)
?X:
?X: The sed below transforms .so.9 .so.12 into something like .so.0009 .so.0012,
?X: then sorts on it to allow keeping .so.12 instead of .so.9 as the latest
?X: up-to-date library. The initial filename (before sed munging, saved in hold
?X: space via 'h') is appended via 'G' before sorting, then the leading munged
?X: part is removed after sorting. Nice efficient work from Tye McQueen.
?X: The initial blurfl is here to prevent the trailing
 pipe from producing an
?X: empty string, causing Configure to output all its set variables!
?X:
 set /lib/libc.$so
 for xxx in $libpth; do
  $test -r $1 || set $xxx/libc.$so
  : The messy sed command sorts on library version numbers.
  $test -r $1 || \
   set `echo blurfl; echo $xxx/libc.$so.[0-9]* | \
   tr ' ' $trnl | egrep -v '\.[A-Za-z]*$' | $sed -e '
    h
    s/[0-9][0-9]*/0000&/g
    s/0*\([0-9][0-9][0-9][0-9][0-9]\)/\1/g
    G
    s/\n/ /' | \
    $sort | $sed -e 's/^.* //'`
  eval set \$$#
 done
 $test -r $1 || set $sysroot/usr/ccs/lib/libc.$so
 $test -r $1 || set $sysroot/lib/libsys_s$_a
 ;;
*)
?X: ensure the test below for the (shared) C library will fail
 set blurfl
 ;;
esac
if $test -r "$1"; then
 echo "Your (shared) C library seems to be in $1."
 libc="$1"
elif $test -r /lib/libc && $test -r /lib/clib; then
?X:
?X: Apollo has its C library in /lib/clib AND /lib/libc
```

```
?X: not to mention its math library in /lib/syslib...
?X:
 echo "Your C library seems to be in both /lib/clib
 and /lib/libc."
 xxx=apollo
 libc='/lib/clib /lib/libc'
 if $test -r /lib/syslib; then
  echo "(Your math library is in /lib/syslib.)"
?X: Put syslib in libc -- not quite right, but won't hurt
  libc="$libc /lib/syslib"
 fi
elif $test -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
 echo "Your C library seems to be in $libc, as you said before."
?X: For mips, and...
elif $test -r $incpath/usr/lib/libc$_a; then
 libc=$incpath/usr/lib/libc$_a;
 echo "Your C library seems to be in $libc.  That's fine."
elif $test -r /lib/libc$_a; then
 libc=/lib/libc$_a;
 echo "Your C library seems to be in $libc.  You're normal."
else
 if tans=`./loc libc$_a blurfl/dyick $libpth`; $test -r "$tans"; then
  :
 elif tans=`./loc libc blurfl/dyick $libpth`; $test -r "$tans"; then
  libnames="$libnames "`./loc clib blurfl/dyick $libpth`
 elif tans=`./loc clib blurfl/dyick $libpth`; $test -r "$tans"; then
  :
 elif tans=`./loc Slibc$_a blurfl/dyick $xlibpth`; $test -r "$tans"; then
  :
 elif tans=`./loc
 Mlibc$_a blurfl/dyick $xlibpth`; $test -r "$tans"; then
  :
 else
  tans=`./loc Llibc$_a blurfl/dyick $xlibpth`
 fi
 if $test -r "$tans"; then
  echo "Your C library seems to be in $tans, of all places."
  libc=$tans
 else
  libc='blurfl'
 fi
fi
if $test $xxx = apollo -o -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
 dflt="$libc"
 cat <<EOM

If the guess above is wrong (which it might be if you're using a strange
compiler, or your machine supports multiple models), you can override it here.
```

```
EOM
else
 dflt=''
 echo $libpth | $tr ' ' $trnl | $sort | $uniq > libpath
 cat >&4 <<EOM
I can't seem to find your C library.  I've looked in the following places:

EOM
 $sed 's/^/ /' libpath
 cat <<EOM

None of these seems to contain your C library. I need to get its name...

EOM
fi
fn=f
rp='Where is your C library?'
. ./getfile
libc="$ans"

echo " "
echo $libc $libnames | $tr ' ' $trnl | $sort | $uniq > libnames
set X `cat libnames`
shift
xxx=files
case $# in 1) xxx=file; esac
echo
 "Extracting names from the following $xxx for later perusal:" >&4
echo " "
$sed 's/^/ /' libnames >&4
echo " "
$echo $n "This may take a while...$c" >&4

?X:
?X: Linux may need the special Dynamic option to nm for shared libraries.
?X: In general, this is stored in the nm_so_opt variable.
?X: Unfortunately, that option may be fatal on non-shared libraries.
?X:
for file in $*; do
 case $file in
 *$so*) $nm $nm_so_opt $nm_opt $file 2>/dev/null;;
 *) $nm $nm_opt $file 2>/dev/null;;
 esac
done >libc.tmp

$echo $n ".$c"
?X:
```

```
?X: To accelerate processing, we look at the correct 'sed' command
?X: by using a small subset of libc.tmp, i.e. fprintf function.
?X: When we know which sed command to use, do the name extraction
?X:
$grep fprintf libc.tmp > libc.ptf
?X:
?X: In order to enhance readability and save some space, we define
?X: some variables that will be "eval"ed.
?X:
xscan='eval "<libc.ptf $com >libc.list"; $echo $n ".$c" >&4'
xrun='eval "<libc.tmp $com >libc.list"; echo "done." >&4'
?X:
 BSD-like output, I and W types added for Linux
?X: Some versions of Linux include a leading __IO in the symbol name.
?X: HP-UX 10 reportedly has trailing spaces, though I'm surprised it has
?X: BSD-like output.  (AD).
?X: GNU extension: i is "indirect function"
xxx='[ADTSIWi]'
if com="$sed -n -e 's/__IO//' -e 's/^.* $xxx  *//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: SYSV-like output
elif com="$sed -n -e 's/^__*//' -e 's/^\([a-zA-Z_0-9$]*\).*xtern.*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e '/|UNDEF/d' -e '/FUNC..GL/s/^.*|__*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.* D __*//p' -e 's/^.* D //p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^_//' -e 's/^\([a-zA-Z_0-9]*\).*xtern.*text.*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$'
 libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|FUNC |GLOB .*|//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$grep '|' | $sed -n -e '/|COMMON/d' -e '/|DATA/d' \
    -e '/ file/d' -e 's/^\([^  ]*\).*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
```

```
  eval $xrun
elif com="$sed -n -e 's/^.*|FUNC |GLOB .*|//p' -e 's/^.*|FUNC |WEAK .*|//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: mips nm output (sysV)
elif com="$sed -n -e 's/^__//' -e '/|Undef/d' -e '/|Proc/s/ .*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^.*|Proc .*|Text *| *//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e '/Def. Text/s/.* \([^ ]*\)\$/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: OS/2
 nm output
elif com="$sed -n -e 's/^[-0-9a-f ]*_\(.*\)=.*/\1/p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/.*\.text n\ \ \ \.//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: AIX nm output
elif com="sed -n -e 's/^__.*//' -e 's/[       ]*D[    ]*[0-9]*.*//p'";\
 eval $xscan;\
 $contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
else
 $nm -p $* 2>/dev/null >libc.tmp
 $grep fprintf libc.tmp > libc.ptf
 if com="$sed -n -e 's/^.* [ADTSIW]  *_[_.]*//p' -e 's/^.* [ADTSIW] //p'";\
  eval $xscan; $contains '^fprintf$' libc.list >/dev/null 2>&1
 then
  nm_opt='-p'
  eval $xrun
 else
  echo " "
  echo "$nm didn't seem to work right. Trying $ar instead..." >&4
  com="
  if $ar t $libc > libc.tmp && \
   $contains '^fprintf$' libc.tmp >/dev/null 2>&1
  then
```

```
   for thisname in $libnames $libc; do
    $ar t $thisname >>libc.tmp
   done
   $sed -e "s/\\$_o\$//" < libc.tmp > libc.list
   echo
 "Ok." >&4
  elif test "X$osname" = "Xos2" && $ar tv $libc > libc.tmp; then
?X: Repeat libc to extract forwarders to DLL entries too
   for thisname in $libnames $libc; do
    $ar tv $thisname >>libc.tmp
?X: Revision 50 of EMX has bug in ar: it will not extract forwarders
?X: to DLL entries.  Use emximp which will extract exactly them.
    emximp -o tmp.imp $thisname \
        2>/dev/null && \
        $sed -e 's/^\([_a-zA-Z0-9]*\) .*$/\1/p' \
        < tmp.imp >>libc.tmp
    $rm -f tmp.imp
   done
   $sed -e "s/\\$_o\$//" -e 's/^ \+//' < libc.tmp > libc.list
   echo "Ok." >&4
  else
   echo "$ar didn't seem to work right." >&4
   echo "Maybe this is a Cray...trying bld instead..." >&4
   if  bld t $libc | \
    $sed -e 's/.*\///' -e "s/\\$_o:.*\$//" > libc.list &&
    $test -s libc.list
   then
    for thisname in $libnames; do
     bld t $libnames | \
     $sed -e 's/.*\///' -e "s/\\$_o:.*\$//" >>libc.list
     $ar t $thisname >>libc.tmp
    done
    echo "Ok." >&4
   else
    echo
 "That didn't work either.  Giving up." >&4
    exit 1
   fi
  fi
 fi
fi
nm_extract="$com"
case "$PASE" in
define)
   echo " "
   echo "Since you are compiling for PASE, extracting more symbols from libc.a ...">&4
   dump -Tv /lib/libc.a | awk '$7 == "/unix" {print $5 " " $8}' | grep "^SV" | awk '{print $2}' >> libc.list
   ;;
```

```
*)  if $test -f /lib/syscalls.exp; then
 echo " "
 echo "Also extracting names from /lib/syscalls.exp for good ole AIX..." >&4
 $sed -n 's/^\([^  ]*\)[  ]*syscall[0-9]*[  ]*$/\1/p' \
  /lib/syscalls.exp >>libc.list
   fi
   ;;
esac
;;
esac
$rm -f libnames libpath
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/libc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: usenm.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:26:40  ram
?RCS: patch61: don't use nm with the GNU C library
?RCS: patch61: added support for Linux shared libs
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:57  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:usenm runnm nm_opt nm_so_opt: cat test Myread Oldconfig grep \
 d_gnulibc nm egrep rsrc osname Guess
?MAKE: -pick add $@ %<
?S:usenm:
?S: This variable contains 'true' or 'false' depending whether the
?S: nm extraction is wanted
 or not.
?S:.
?S:runnm:
?S: This variable contains 'true' or 'false' depending whether the
?S: nm extraction should be performed or not, according to the value
?S: of usenm and the flags on the Configure command line.
?S:.
```

```
?S:nm_opt:
?S: This variable holds the options that may be necessary for nm.
?S:.
?S:nm_so_opt:
?S: This variable holds the options that may be necessary for nm
?S: to work on a shared library but that can not be used on an
?S: archive library.  Currently, this is only used by Linux, where
?S: nm --dynamic is *required* to get symbols from an ELF library which
?S: has been stripped, but nm --dynamic is *fatal* on an archive library.
?S: Maybe Linux should just always set usenm=false.
?S:.
: see if nm is to be used to determine whether a symbol is defined or not
?X: If there is enough inquiries, it might be worth to wait for the nm
?X: extraction. Otherwise, the C compilations might be a better deal.
?X:
?X: Don't bother if we're using GNU libc -- skimo
case "$usenm"
 in
")
 dflt="
 case "$d_gnulibc" in
 "$define")
  echo " "
  echo "$nm probably won't work on the GNU C Library." >&4
  dflt=n
  ;;
 esac
 case "$dflt" in
 ")
  if $test "$osname" = aix -a ! -f /lib/syscalls.exp; then
   echo " "
   echo "Whoops!  This is an AIX system without /lib/syscalls.exp!" >&4
   echo "'nm' won't be sufficient on this system." >&4
   dflt=n
  fi
  ;;
 esac
 case "$dflt" in
 ")
  if ./gnu; then
   echo " "
   echo "Hmm...  A GNU system without a GNU C Library?  Weird..." >&4
   dflt=n
  else
   dflt=`$egrep 'inlibc|csym' $rsrc/Configure | wc -l 2>/dev/null`
   if $test $dflt -gt 20; then
    dflt=y
   else
```

```
    dflt=n
   fi
  fi
  ;;
 esac
 ;;
*)
 case "$usenm" in
 true|$define) dflt=y;;
 *) dflt=n;;
 esac
 ;;
esac
$cat <<EOM

I can use $nm to extract the symbols from your C libraries. This
is a time consuming task which may generate huge output on the disk (up
to 3 megabytes) but that should make the symbols extraction faster. The
alternative is to skip the
 'nm' extraction part and to compile a small
test program instead to determine whether each symbol is present. If
you have a fast C compiler and/or if your 'nm' output cannot be parsed,
this may be the best solution.

EOM
rp='Shall I use nm to extract C symbols from the libraries?'
. ./myread
case "$ans" in
[Nn]*) usenm=false;;
*) usenm=true;;
esac

?X: Name extraction is to be run if 'nm' usage is wanted and if no -r flag
?X: was provided to configure (in which case we simply re-use the previous
?X: values).
runnm=$usenm
case "$reuseval" in
true) runnm=false;;
esac

: nm options which may be necessary
case "$nm_opt" in
") if $test -f /mach_boot; then
  nm_opt="  # Mach
 elif $test -d /usr/ccs/lib; then
  nm_opt='-p'  # Solaris (and SunOS?)
 elif $test -f /dgux; then
  nm_opt='-p'  # DG-UX
```

```
 elif $test -f /lib64/rld; then
  nm_opt='-p'  # 64-bit Irix
 else
  nm_opt=''
 fi;;
esac

?X: nm options which may be necessary for shared libraries but illegal
?X: for archive libraries.  Thank you,
 Linux.
case "$nm_so_opt" in
'') case "$osname" in
 *linux*)
  if $nm --help | $grep 'dynamic' > /dev/null 2>&1; then
   nm_so_opt='--dynamic'
  fi
  ;;
 esac
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/usenm.U
No license file was found, but licenses were detected in source scan.

```
/*
* $Id: getopt.C,v 3.0.1.1 1994/01/24 13:58:40 ram Exp ram $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* Original Author: unknown, got this off net.sources
*
* $Log: getopt.C,v $
* Revision 3.0.1.1  1994/01/24  13:58:40  ram
* patch16: created
*
*/
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/C/fake/getopt.C

No license file was found, but licenses were detected in source scan.

?RCS: $Id: longsize.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: longsize.U,v $
?RCS: Revision 3.0.1.2 1997/02/28 16:09:35 ram
?RCS: patch61: code moved to intsize.U
?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 16:24:31 ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:07 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: 'longsize' is now defined within intsize.U
?X:
?LINT: empty

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/longsize.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: lex.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Orginal Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: lex.U,v $
?RCS: Revision 3.0.1.3 1994/10/29 16:22:50 ram
?RCS: patch36: spurious single quote could cause Configure to crash
?RCS: patch36: (reported by Xavier Le Vourch <xavierl@eiffel.com>.)

```
?RCS:
?RCS: Revision 3.0.1.2  1994/08/29  16:27:09  ram
?RCS: patch32: added lexflags variable for lex flags setting
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  15:06:01  ram
?RCS: patch23: added
 trailing blank line for metalint
?RCS:
?RCS: Revision 3.0  1993/08/18  12:08:55  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:lex lexflags: Guess Myread Oldconfig flex test
?MAKE: -pick add $@ %<
?S:lex:
?S: This variable holds the name of the lexical analyser generator we
?S: want to use in the Makefile. It can be lex or flex.
?S:.
?S:lexflags:
?S: This variable holds any flags that should be passed to the lexical
?S: analyzer.  It is up to the Makefile to use it.
?S:.
: determine lexical analyser generator
case "$lex" in
")
 dflt=lex;;
*)
 dflt="$lex";;
esac
echo " "
if $test -f "$flex"; then
 rp='Which lexical analyser generator (lex or flex) shall I use?'
else
 rp='Which lexical analyser generator shall I use?'
fi
. ./myread
lex="$ans"

@if lexflags
: if using lex this will normally be useless, but flex frequently takes args
echo " "
case "$lexflags" in
") dflt='none';;
*) dflt="$lexflags";;
esac
rp="What flags should be given to $lex?"
. ./myread
case "$ans"
```

```
 in
none) lexflags="";;
*) lexflags="$ans";;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/lex.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Unix.U,v 3.0.1.1 1997/02/28 15:20:06 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Unix.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:20:06  ram
?RCS: patch61: created
?RCS:
?X:
?X: The purpose of this unit is to define things that are common across all
?X: known UNIX platforms. If Configure is ported/used on a non-UNIX
?X: environment, then some of the following variables can be redefined in hint
?X: files.
?X:
?MAKE:Unix _exe _a _o exe_ext lib_ext obj_ext path_sep \
 firstmakefile archobjs rm_try: Oldconfig rm
?MAKE: -pick add $@ %<
?S:_exe:
?S: This
 variable defines the extension used for executable files.
?S: DJGPP, Cygwin and OS/2 use '.exe'.  Stratus VOS uses '.pm'.
?S: On operating systems which do not require a specific extension
?S: for executable files, this variable is empty.
?S:.
?S:_a:
?S: This variable defines the extension used for ordinary library files.
?S: For unix, it is '.a'.  The '.' is included.  Other possible
?S: values include '.lib'.
?S:.
?S:_o:
```

```
?S: This variable defines the extension used for object files.
?S: For unix, it is '.o'.  The '.' is included.  Other possible
?S: values include '.obj'.
?S:.
?S:firstmakefile:
?S: This variable defines the first file searched by make.  On unix,
?S: it is makefile (then Makefile).  On case-insensitive systems,
?S: it might be something else.  This is only used to deal with
?S: convoluted make depend tricks.
?S:.
?S:archobjs:
?S: This variable defines any additional objects that must be linked
?S: in with the program on this architecture.  On unix, it is usually
?S: empty.
  It is typically used to include emulations of unix calls
?S: or other facilities.  For perl on OS/2, for example, this would
?S: include os2/os2.obj.
?S:.
?X: Metaconfig's Obsolete symbol stuff is too over-eager.  In the
?X: perl sources, it picks up things like "P" and "FLOCK" that are
?X: not used in the way Metaconfig thinks they are.  Thus I can't
?X: just declare these obsolete and then run metaconfig -o.
?X: Instead, I'll just handle them here.
?X: Sadly, history has conspired to give us a web of definitions;
?X: this could have been much simpler.
?S:lib_ext:
?S: This is an old synonym for _a.
?S:.
?S:exe_ext:
?S: This is an old synonym for _exe.
?S:.
?S:obj_ext:
?S: This is an old synonym for _o.
?S:.
?S:path_sep:
?S: This is an old synonym for p_ in Head.U, the character
?S: used to separate elements in the command shell search PATH.
?S:.
?S:rm_try:
?S: This is a cleanup variable for try test programs.
?S: Internal Configure use only.
?S:.
?LINT: change p_
?INIT::
 Trailing extension.  Override this in a hint file, if needed.
?INIT:: Extra object files, if any, needed on this platform.
?INIT:archobjs=''
: Define several unixisms.
```

```
: Hints files or command line option can be used to override them.
: The convoluted testing is in case hints files set either the old
: or the new name.
case "$_exe" in
") case "$exe_ext" in
 ") ;;
 *) _exe="$exe_ext" ;;
 esac
 ;;
esac
case "$_a" in
") case "$lib_ext" in
   ") _a='.a';;
 *) _a="$lib_ext" ;;
 esac
 ;;
esac
case "$_o" in
") case "$obj_ext" in
 ") _o='.o';;
 *) _o="$obj_ext";;
 esac
 ;;
esac
case "$p_" in
") case "$path_sep" in
 ") p_=':';;
 *) p_="$path_sep";;
 esac
 ;;
esac
exe_ext=$_exe
lib_ext=$_a
obj_ext=$_o
path_sep=$p_

rm_try="$rm -f try try$_exe a.out .out try.[cho] try.$_o core core.try* try.core*"

@if firstmakefile
: Which makefile gets called first.  This is used by make depend.
case "$firstmakefile" in
") firstmakefile='makefile';;
esac

@end

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
```

5.38.0/U/modified/Unix.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libyacc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libyacc.U,v $
?RCS: Revision 3.0.1.4  1997/02/28  16:09:19  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.3  1994/05/13  15:27:12  ram
?RCS: patch27: added byacc case (ADO)
?RCS:
?RCS: Revision 3.0.1.2  1994/05/06  15:09:01  ram
?RCS: patch23: now uses full library path instead of -l notation
?RCS:
?RCS: Revision 3.0.1.1  1994/01/24  14:13:49  ram
?RCS: patch16: un-obsoleted this unit for smooth yacc compilations
?RCS:
?RCS:
 Revision 3.0  1993/08/18  12:09:04  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libyacc: Loc yacc libpth _a
?MAKE: -pick add $@ %<
?S:libyacc:
?S: This variable contains the argument to pass to the loader in order
?S: to get the yacc library routines.  If there is no yacc or yacc
?S: library, it is null.
?S:.
?T:xxx
: see if we should include -ly
echo " "
case "$yacc" in
*byacc*)
 echo "You are using byacc, so I won't look for a yacc library." >&4
 libyacc=''
 ;;
*yacc)
 xxx=`./loc liby$_a x $libpth`
 case "$xxx" in
```

```
 x)
  echo "No yacc library found." >&4
  libyacc=''
  ;;
 *)
  echo "yacc library found in $xxx." >&4
  libyacc="$xxx"
  ;;
 esac
 ;;
*bison*)
 echo "You are using bison, so I won't look for a yacc library." >&4
 libyacc=''
 ;;
*)
echo "You don't seem to have yacc, so I won't look for the yacc library." >&4
 libyacc=''
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libyacc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1998, Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?X:
?X: Useless unit dropped.  Use randfunc instead.
?X:
?LINT:empty
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/randbits.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libpth.U,v $
?RCS: Revision 3.0.1.6  1997/02/28  16:08:49  ram
?RCS: patch61: new loclibpth variable
?RCS:
?RCS: Revision 3.0.1.5  1995/01/11  15:31:30  ram
?RCS: patch45: call ./mips instead of just mips (WED)
?RCS:
?RCS: Revision 3.0.1.4  1994/08/29  16:29:15  ram
?RCS: patch32: added /lib/pa1.1 for HP-UX specially tuned PA-RISC libs (ADO)
?RCS: patch32: fixed information message, making it clearer (ADO)
?RCS:
?RCS: Revision 3.0.1.3  1994/06/20  07:03:54  ram
?RCS: patch30: added /usr/shlib to
 glibpth for shared-only libraries
?RCS:
?RCS: Revision 3.0.1.2  1994/05/13  15:26:57  ram
?RCS: patch27: fixed a typo (libpth -> glibpth)
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  15:07:53  ram
?RCS: patch23: now asks for library directories to be searched (ADO)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:02  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit initializes the path for C library lookup.
?X:
?MAKE:libpth glibpth xlibpth plibpth loclibpth: \
 usrinc incpath test cat Myread Oldconfig
?MAKE: -pick add $@ %<
?S:libpth:
?S: This variable holds the general path (space-separated) used to find
?S: libraries. It is intended to be used by other units.
?S:.
?S:glibpth:
?S: This variable holds the general path (space-separated) used to
?S: find libraries.  It may contain directories that do not exist on
?S: this platform, libpth is the cleaned-up version.
?S:.
?S:xlibpth:
?S: This variable holds extra path (space-separated) used to find
?S: libraries on this platform,
```

```
 for example CPU-specific libraries
?S: (on multi-CPU platforms) may be listed here.
?S:.
?S:loclibpth:
?S: This variable holds the paths (space-separated) used to find local
?S: libraries.  It is prepended to libpth, and is intended to be easily
?S: set from the command line.
?S:.
?S:plibpth:
?S: Holds the private path used by Configure to find out the libraries.
?S: Its value is prepend to libpth. This variable takes care of special
?S: machines, like the mips.  Usually, it should be empty.
?S:.
?T: xxx dlist
?LINT:use usrinc
?INIT:: change the next line if compiling for Xenix/286 on Xenix/386
?INIT:xlibpth='/usr/lib/386 /lib/386'
?INIT:: Possible local library directories to search.
?INIT:loclibpth="/usr/local/lib /opt/local/lib /usr/gnu/lib"
?INIT:loclibpth="$loclibpth /opt/gnu/lib /usr/GNU/lib /opt/GNU/lib"
?INIT:
?INIT:: general looking path for locating libraries
?INIT:glibpth="/lib /usr/lib $xlibpth"
?INIT:glibpth="$glibpth /usr/ccs/lib /usr/ucblib /usr/local/lib"
?X: /shlib
 is for Digital Unix 4.0
?X: /usr/shlib is for OSF/1 systems.
?INIT:test -f /usr/shlib/libc.so && glibpth="/usr/shlib $glibpth"
?INIT:test -f /shlib/libc.so     && glibpth="/shlib $glibpth"
?INIT:
?INIT:: Private path used by Configure to find libraries.  Its value
?INIT:: is prepended to libpth. This variable takes care of special
?INIT:: machines, like the mips.  Usually, it should be empty.
?INIT:plibpth="
?INIT:
: Set private lib path
case "$plibpth" in
") if ./mips; then
?X: on mips, we DO NOT want /lib, and we want $incpath/usr/lib
  plibpth="$incpath/usr/lib /usr/local/lib /usr/ccs/lib"
 fi;;
esac
case "$libpth" in
' ') dlist=";;
") dlist="$loclibpth $plibpth $glibpth";;
*) dlist="$libpth";;
esac
```

```
: Now check and see which directories actually exist, avoiding duplicates
libpth="
for xxx in $dlist
do
   if $test -d $xxx; then
  case " $libpth " in
  *" $xxx "*) ;;
  *) libpth="$libpth $xxx";;
  esac
   fi
done
$cat <<'EOM'

Some systems have incompatible or broken versions
 of libraries.  Among
the directories listed in the question below, please remove any you
know not to be holding relevant libraries, and add any that are needed.
Say "none" for none.

EOM
case "$libpth" in
") dflt='none';;
*)
?X: strip leading space
 set X $libpth
 shift
 dflt=${1+"$@"}
 ;;
esac
rp="Directories to use for library searches?"
. ./myread
case "$ans" in
none) libpth=' ';;
*) libpth="$ans";;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libpth.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: yacc.U,v 3.0.1.1 1994/05/13 15:28:48 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: yacc.U,v $
?RCS: Revision 3.0.1.1  1994/05/13  15:28:48  ram
?RCS: patch27: added byacc as another alternative (ADO)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:10:03  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:yacc yaccflags: Guess Myread Oldconfig byacc bison cat test _exe
?MAKE: -pick add $@ %<
?S:yacc:
?S: This variable holds the name of the compiler compiler we
?S: want to use in the Makefile. It can be yacc, byacc, or bison -y.
?S:.
?S:yaccflags:
?S: This
 variable contains any additional yacc flags desired by the
?S: user.  It is up to the Makefile to use this.
?S:.
?T:comp
: determine compiler compiler
case "$yacc" in
")
 dflt=yacc;;
*)
 dflt="$yacc";;
esac
echo " "
comp='yacc'
if $test -f "$byacc$_exe"; then
 dflt="$byacc"
 comp="byacc or $comp"
fi
if $test -f "$bison$_exe"; then
 comp="$comp or bison -y"
fi
rp="Which compiler compiler ($comp) shall I use?"
. ./myread
yacc="$ans"
case "$yacc" in
*bis*)
 case "$yacc" in
 *-y*) ;;
 *)
  yacc="$yacc -y"
  echo "(Adding -y option to bison to get yacc-compatible behavior.)"
```

```
  ;;
 esac
 ;;
esac

@if yaccflags
: see if we need extra yacc flags
dflt="$yaccflags"
case "$dflt" in
") dflt=none;;
esac
$cat <<EOH

Your yacc program may need extra flags to normally process the parser sources.
Do NOT specify any -d or -v flags here, since those are explicitly known
by the various Makefiles. However, if your machine has strange/undocumented
options (like -Sr# on SCO to specify the
 maximum number of grammar rules), then
please add them here.  To use no flags, specify the word "none".

EOH
rp="Any additional yacc flags?"
. ./myread
case "$ans" in
none) yaccflags=";;
*) yaccflags="$ans";;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/yacc.U
No license file was found, but licenses were detected in source scan.

```
# $Id: errnolist.sh,v 3.0.1.1 1994/01/24 14:00:00 ram Exp ram $
#
#  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
#  You may redistribute only under the terms of the Artistic Licence,
#  as specified in the README file that comes with the distribution.
#  You may reuse parts of this distribution only within the terms of
#  that same Artistic Licence; a copy of which may be found at the root
#  of the source tree for dist 4.0.
#
# Original Author: Harlan Stenn <harlan@mumps.pfcs.com>
#
# $Log: errnolist.sh,v $
```

```
# Revision 3.0.1.1  1994/01/24  14:00:00  ram
# patch16: changed top ln-style config.sh lookup into test-style one
#
# Revision 3.0  1993/08/18  12:04:36  ram
# Baseline for dist 3.0 netwide release.
#
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/errnolist.SH
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libs.U,v 3.0.1.6 1997/02/28 16:09:11 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: libs.U,v $
?RCS: Revision 3.0.1.6  1997/02/28  16:09:11  ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.5  1995/07/25  14:12:05  ram
?RCS: patch56: now knows about OS/2 platforms
?RCS:
?RCS: Revision 3.0.1.4  1994/10/29  16:24:22  ram
?RCS: patch36: removed old broken thislib/thatlib processing (ADO)
?RCS:
?RCS: Revision 3.0.1.3  1994/06/20  07:05:44  ram
?RCS: patch30: code cleanup with if/elif by ADO and RAM
?RCS: patch30:
 undone patch23 for libswanted default setting
?RCS:
?RCS: Revision 3.0.1.2  1994/05/06  15:08:45  ram
?RCS: patch23: now includes ordered default libswanted variable (ADO)
?RCS: patch23: major cleanup for library lookups (ADO)
?RCS:
?RCS: Revision 3.0.1.1  1993/08/25  14:02:31  ram
?RCS: patch6: added default for libs
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:03  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libs ignore_versioned_solibs libsfound libsfiles libsdirs libspath: \
```

```
 test cat Myread Oldconfig Loc libpth package xlibpth so _a \
 usesocks sed uselongdouble
?MAKE: -pick add $@ %<
?S:libs:
?S: This variable holds the additional libraries we want to use.
?S: It is up to the Makefile to deal with it.  The list can be empty.
?S:.
?S:libsfound:
?S: This variable holds the full pathnames of the libraries
?S: we found and accepted.
?S:.
?S:libsfiles:
?S: This variable holds the filenames aka basenames of the libraries
?S: we found and accepted.
?S:.
?S:libsdirs:
?S: This
 variable holds the directory names aka dirnames of the libraries
?S: we found and accepted, duplicates are removed.
?S:.
?S:libspath:
?S: This variable holds the directory names probed for libraries.
?S:.
?S:ignore_versioned_solibs:
?S: This variable should be non-empty if non-versioned shared
?S: libraries (libfoo.so.x.y) are to be ignored (because they
?S: cannot be linked against).
?S:.
?T:xxx yyy thislib thisdir libswanted libstyle
?D:libs=''
?X:
?X: This order is chosen so that libraries  -lndir, -ldir, -lucb, -lbsd,
?X: -lBSD, -lPW, and -lx only get used if there are unresolved
?X: routines at link time.  Usually, these are backwards compatibility
?X: libraries, and may not be as reliable as the standard c library.
?X:
?X: The -lsocket -linet -lnsl order has been reported to be necessary
?X: for at least one SVR4 implementation.
?X: -lc must proceed -lucb or -lbsd for most Solaris applications.
?X: -lc_s proceeds -lc so we pick up the shared library version, if
?X: it is
 available.
?X:
?X: The ordering of c, posix, and cposix is a guess and almost
?X: certainly wrong on about half of all systems.
?X:
?X: Set proper libswanted in your private Myinit.U if needed.
?X:
```

```
?X:: default ordered library list
?X:libswanted='net socket inet bind nsl nm sdbm gdbm ndbm dbm malloc dl'
?X:libswanted="$libswanted dld sun m c_s c posix cposix ndir dir ucb"
?X:libswanted="$libswanted bsd BSD PW x"
?X:
?INIT:: default library list
?INIT:libswanted="
?INIT:: some systems want to use only the non-versioned libso:s
?INIT:ignore_versioned_solibs="
?LINT:extern usecbacktrace
?LINT:extern libscheck
?LINT:extern p
?LINT:use uselongdouble
: Looking for optional libraries
echo " "
echo "Checking for optional libraries..." >&4
case "$libs" in
' '|'') dflt='';;
*) dflt="$libs";;
esac
case "$libswanted" in
'') libswanted='c_s';;
esac
?X: libsocks has nasty naming scheme.
?X: This does not work if somebody wants SOCKS 4.
case "$usesocks" in
"$define") libswanted="$libswanted socks5
 socks5_sh" ;;
esac
case "$usecbacktrace" in
"$define") libswanted="$libswanted bfd" ;;
esac
libsfound="
libsfiles="
libsdirs="
libspath="
for thisdir in $libpth $xlibpth; do
 test -d $thisdir && libspath="$libspath $thisdir"
done
for thislib in $libswanted; do
 for thisdir in $libspath; do
    xxx=''
    if $test ! -f "$xxx" -a "X$ignore_versioned_solibs" = "X"; then
  xxx=`ls $thisdir/lib$thislib.$so.[0-9] 2>/dev/null|sed -n '$p'`
        $test -f "$xxx" && eval $libscheck
  $test -f "$xxx" && libstyle=shared
  xxx=`ls $thisdir/lib$thislib.[0-9].$so 2>/dev/null|sed -n '$p'`
        $test -f "$xxx" && eval $libscheck
```

```
$test -f "$xxx" && libstyle=shared
   fi
   if test ! -f "$xxx"; then
xxx=$thisdir/lib$thislib.$so$_a
$test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle="import"
   fi
   if test ! -f "$xxx"; then
xxx=$thisdir/$thislib.$so$_a
$test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle="import"
   fi
   if test ! -f "$xxx";
then
xxx=$thisdir/lib$thislib.$so
      $test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=shared
   fi
   if test ! -f "$xxx"; then
xxx=$thisdir/lib$thislib$_a
      $test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=static
   fi
   if test ! -f "$xxx"; then
xxx=$thisdir/$thislib$_a
      $test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=static
   fi
   if test ! -f "$xxx"; then
xxx=$thisdir/lib${thislib}_s$_a
      $test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=static
$test -f "$xxx" && thislib=${thislib}_s
   fi
   if test ! -f "$xxx"; then
xxx=$thisdir/Slib$thislib$_a
      $test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=static
   fi
   if $test -f "$xxx"; then
case "$libstyle" in
shared) echo "Found -l$thislib (shared)." ;;
static) echo "Found -l$thislib." ;;
*)      echo "Found -l$thislib ($libstyle)." ;;
esac
case " $dflt " in
*"-l$thislib "*);;
*)
```

```
 dflt="$dflt -l$thislib"
     libsfound="$libsfound $xxx"
     yyy=`basename $xxx`
     libsfiles="$libsfiles $yyy"
     yyy=`echo $xxx|$sed -e "s%/$yyy\\$%%"`
     case " $libsdirs " in
     *" $yyy "*) ;;
     *) libsdirs="$libsdirs $yyy" ;;
     esac
     ;;
  esac
  break
     fi
 done
 if $test ! -f "$xxx"; then
     echo "No -l$thislib."
 fi
done
set X $dflt
shift
dflt="$*"
case "$libs" in
") dflt="$dflt";;
*) dflt="$libs";;
esac
case "$dflt" in
' '|") dflt='none';;
esac

$cat <<EOM

In order to compile $package on your machine, a number of libraries
are usually needed.  Include any other special libraries here as well.
Say "none" for none.  The default list is almost always right.
EOM

echo " "
rp="What libraries to use?"
. ./myread
case "$ans" in
none) libs=' ';;
*) libs="$ans";;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/libs.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: perl5.U,v $
?RCS:
?RCS: Copyright (c) 2000 Andrew Dougherty
?RCS:
?RCS:     You may distribute under the terms of either the GNU General Public
?RCS:     License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: perl5.U,v $
?RCS:
?X:
?X: The purpose of this unit is to locate a previously installed
?X: version of perl5 suitable for running inc_version_list.U.
?X: We check for 5.005 and later because inc_version_list is
?X: irrelevant for earlier versions.
?X:
?MAKE:perl5: path_sep binexp test sed exe_ext
?MAKE: -pick add $@ %<
?Y:TOP
?S:perl5:
?S: This variable contains the full path (if any) to a previously
?S: installed perl5.005 or later suitable for running the script
?S: to determine inc_version_list.
?S:.
?T: tdir
: Find perl5.005 or later.
echo "Looking for a previously installed perl5.005 or later... "
case "$perl5" in
") for tdir in `echo "$binexp$path_sep$PATH" | $sed "s/$path_sep/
 /g"`; do
  : Check if this perl is recent and can load a simple module
  if $test -x $tdir/perl$exe_ext && $tdir/perl -Mless -e 'use 5.005;' >/dev/null 2>&1; then
   perl5=$tdir/perl
   break;
  elif $test -x $tdir/perl5$exe_ext && $tdir/perl5 -Mless -e 'use 5.005;' >/dev/null 2>&1; then
   perl5=$tdir/perl5
   break;
  fi
 done
 ;;
*) perl5="$perl5"
 ;;
esac
case "$perl5" in
") echo "None found.  That's ok.";;
*) echo "Using $perl5." ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/perl5.U
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```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Copyright (c) 2000, Jarkko Hietaniemi
?RCS:
?X:
?X: This unit allows the duplication of the source tree to the current
?X: directory via symbolic links.  This must be requested explicitly
?X: by them issuing a -Dmksymlinks on the command line.
?X:
?MAKE:Mksymlinks: Mkdirp lns issymlink src rsrc pkgsrc
?MAKE: -pick add $@ %<
?F:!UU
?T: dir filename tmppwd filelist
?LINT:extern mksymlinks
@if {test -f ../MANIFEST}
: Duplicate the tree with symbolic links if -Dmksymlinks was supplied
case "$mksymlinks"
 in
$define|true|[yY]*)
 echo " "
 case "$src" in
 "|'.') echo "Cannot create symlinks in the original directory." >&4
  exit 1
  ;;
 *) case "$lns:$issymlink" in
  *"ln"*" -s:"*"test -"?)
   echo "Creating the symbolic links..." >&4
   echo "(First creating the subdirectories...)" >&4
   cd ..
   awk '{print $1}' $src/MANIFEST | grep / | sed 's:/[^/]*$::' | \
    sort -u | while true
   do
    read dir
    test -z "$dir" && break
```

```
    ./UU/mkdirp $dir 2>/dev/null
    if test -d $dir; then
     : ok
    else
     echo "Failed to create '$dir'.  Aborting." >&4
     exit 1
    fi
   done
   echo "(Now creating the symlinks...)" >&4
   awk '{print $1}' $src/MANIFEST | while true; do
    read filename
    test -z "$filename" && break
    if test -f $filename; then
     if $issymlink $filename; then
      rm -f $filename
     fi
    fi
    if test -f $filename; then
     echo "$filename already exists, not symlinking."
    else
?X: Note that the following works because "$pkgsrc" is absolute
     ln
 -s $pkgsrc/$filename $filename
    fi
   done
?X: Check that everything was correctly copied
   echo "(Checking current directory...)" >&4
   cd UU
   awk '$1 !~ /PACK[A-Z]+/ {print $1}' "$rsrc/MANIFEST" | \
    (split -l 50 2>/dev/null || split -50)
   rm -f missing
   tmppwd=`pwd`
   for filelist in x??; do
    (cd ..; ls `cat "$tmppwd/$filelist"` \
     >/dev/null 2>>"$tmppwd/missing")
   done
   if test -s missing; then
    echo "Failed duplication of source tree.  Aborting." >&4
    exit 1
   fi
   ;;
  *) echo "(I cannot figure out how to do symbolic links, ignoring!)" >&4
   ;;
  esac
  ;;
 esac
 ;;
esac
```

```
@end

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Mksymlinks.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: Begin.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Begin.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  14:56:35  ram
?RCS: patch61: added Extractall dependency
?RCS:
?RCS: Revision 3.0.1.2  1995/01/30  14:25:08  ram
?RCS: patch49: avoid an empty rmlist: systems might choke on it (WED)
?RCS:
?RCS: Revision 3.0.1.1  1994/10/31  09:32:20  ram
?RCS: patch44: created
?RCS:
?X:
?X: This file comes after option processing had been done and after all
?X: the default values have been set up. It marks the beginning
 of questions.
?X: It is important that Options be listed *after* Myinit to ensure that the
?X: default initializations performed by Init and Myinit will not clobber
?X: any setting done on the command line via -D or -U.
?X:
?MAKE:Begin: Myinit Options package Extractall
?MAKE: -pick add $@ %<
: Eunice requires " " instead of "", can you believe it
echo " "
: Here we go...
echo "Beginning of configuration questions for $package."

?X: Make sure the rm below is given a non-empty list for some systems.
?X: This is run only when within the UU directory, hence we can safely
?X: attempt to rm a non-existent 'X' file...
trap 'echo " "; test -d ../UU && rm -rf X $rmlist; exit 1' 1 2 3 15
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Begin.U
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```
?RCS: $Id: Extras.U,v$
?RCS:
?RCS: Copyright (c) 2001, Jarkko Hietaniemi
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:extras: Myread Oldconfig Setvar rm
?MAKE: -pick add $@ %<
?Y:TOP
?S:extras:
?S: This variable holds a list of extra modules to install.
?S:.
: See if we want extra modules installed
echo " "
case "$extras" in
") dflt='n';;
*) dflt='y';;
esac
cat <<EOM
Perl can be built with extra modules or bundles of modules which
will be fetched from the CPAN and installed alongside Perl.

Notice that you will need access to the CPAN; either via the Internet,
or a local copy, for example a CD-ROM or a local CPAN mirror.  (You will
be asked later to configure the CPAN.pm module which will in turn do
the installation of the rest of the extra modules or bundles.)

Notice also that if the modules require
 any external software such as
libraries and headers (the libz library and the zlib.h header for the
Compress::Zlib module, for example) you MUST have any such software
already installed, this configuration process will NOT install such
things for you.

If this doesn't make any sense to you, just accept the default '$dflt'.
EOM
rp='Install any extra modules (y or n)?'
. ./myread
case "$ans" in
y|Y)
 cat <<EOM
```

```
Please list any extra modules or bundles to be installed from CPAN,
with spaces between the names.  The names can be in any format the
'install' command of CPAN.pm will understand.  (Answer 'none',
without the quotes, to install no extra modules or bundles.)
EOM
 rp='Extras?'
 dflt="$extras"
 . ./myread
 extras="$ans"
esac
case "$extras" in
"|'none')
 val=''
 $rm -f ../extras.lst
 ;;
*) echo "(Saving the list of extras for later...)"
 echo "$extras" > ../extras.lst
 val="'$extras'"
 ;;
esac
set extras
eval $setvar
echo " "
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/Extras.U
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```
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?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS:
?X:
?X: This unit is just a quick shorthand for the compile command
?X: to be used in all the other metaconfig units.
```

```
?X:
?MAKE:Compile: +cc +optimize +ccflags +ldflags +libs
?MAKE: -pick add $@ %<
?LINT:define compile compile_ok
?V:compile compile_ok mc_file
?S:compile:
?S: This shell variable is used internally
 by Configure to provide
?S: a convenient shorthand for the typical compile command, namely
?S: $cc $optimize $ccflags $ldflags -o $1 $1.c $libs > /dev/null 2>&1
?S: Note that the output filename does _not_ include the _exe
?S: extension.  Instead we assume that the linker will be
?S: "helpful" and automatically appending the correct suffix.
?S: OS/2 users will apparently need to supply the -Zexe flag to
?S: get this behavior.
?S:
?S: To use this variable, say something like:
?S:  echo 'int main() { exit(0); }' > try.c
?S:  set try
?S:  if eval $compile; then
?S:   echo "success"   # and do whatever . . .
?S:  else
?S:   echo "failure"   # and do whatever . . .
?S:  fi
?S: To add extra flags cc flags (e.g. -DWHATEVER) just put them
?S: in $*, e.g.
?S:  set try -DTRY_THIS_FLAG
?S:.
?S:compile_ok:
?S: This shell variable is used internally by Configure to provide
?S: a convenient shorthand for the typical compile command that you
?S: expect to work ok.  It is the same as $compile,
 except we
?S: deliberately let the user see any error messages.
?S:.
: define a shorthand compile call
compile='
mc_file=$1;
shift;
$cc -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs > /dev/null 2>&1;'
: define a shorthand compile call for compilations that should be ok.
compile_ok='
mc_file=$1;
shift;
$cc -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs;'

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
```

5.38.0/dist/U/Compile.U
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```
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?RCS:
?X: This unit generates a $hasfield string that is used internally
?X: by Configure to check if this system has a field for a
?X: particular struct (of if this system has a particular struct!)
?X:
?X: To use it, say something like:
?X:  set d_statblocks stat st_blocks i_sysstat sys/stat.h
?X:  eval $hasfield
?X: Or, for more complicated sets of headers, do something like
?X: hdrs="$define sys/foo.h
?X:  $i_sysbar sys/bar.h
?X:  $i_syszot sys/zot.h
?X:  $i_zappa zappa.h"
?X: set d_statblocks stat st_blocks $hdrs
?X: eval $hasfield
?X:
?MAKE:Hasfield: Setvar rm_try test Compile
?MAKE: -pick add $@ %<
?T:varname struct field
?V:hasfield
: Define hasfield macro for Configure internal use
hasfield='varname=$1;
 struct=$2; field=$3; shift; shift; shift;
while $test $# -ge 2; do
 case "$1" in
 $define) echo "#include <$2>";;
 esac ;
   shift 2;
done > try.c;
echo "int main () { struct $struct foo; char* bar; bar = (char*)foo.$field; }" >> try.c;
set try;
if eval $compile; then
 val="$define";
else
 val="$undef";
fi;
set $varname;
eval $setvar;
$rm_try'
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/protos/Hasfield.U
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```
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: nis.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  16:17:38  ram
?RCS: patch61: ensure suitable defaults for hostcat and friends
?RCS:
?RCS: Revision 3.0.1.2  1995/03/21  08:48:34  ram
?RCS: patch52: continued fix for NeXT NIS/NetInfo handling
?RCS:
?RCS: Revision 3.0.1.1  1995/02/15  14:16:23  ram
?RCS: patch51: now correctly handles NeXT using NIS rather than NetInfo
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:24  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:passcat groupcat hostcat:
 Myread Oldconfig test contains
?MAKE: -pick add $@ %<
?S:passcat:
?S: This variable contains a command that produces the text of the
?S: /etc/passwd file.  This is normally "cat /etc/passwd", but can be
?S: "ypcat passwd" when NIS is used.
?S:.
?S:groupcat:
?S: This variable contains a command that produces the text of the
?S: /etc/group file.  This is normally "cat /etc/group", but can be
?S: "ypcat group" when NIS is used.
?S:.
?S:hostcat:
?S: This variable contains a command that produces the text of the
?S: /etc/hosts file.  This is normally "cat /etc/hosts", but can be
?S: "ypcat hosts" when NIS is used.
?S:.
: see if we have to deal with yellow pages, now NIS.
```

```
?X: NeXT gives us some fun here, as always, by having both NIS (former YP)
?X: and NetInfo. But since it has both, it's ok to put the test inside the if.
?X: Contributed by Thomas Neumann <tom@smart.bo.open.de>.
if $test -d /usr/etc/yp || $test -d /etc/yp || $test -d /usr/lib/yp; then
 if $test -f /usr/etc/nibindd; then
  echo
 " "
  echo "I'm fairly confident you're on a NeXT."
@if passcat || groupcat
  echo " "
  rp='Do you get the passwd file via NetInfo?'
  dflt=y
  case "$passcat" in
  nidump*) ;;
  ") ;;
  *) dflt=n;;
  esac
  . ./myread
  case "$ans" in
  y*) passcat='nidump passwd .'
@if groupcat
   echo "(Assuming /etc/group is also distributed.)"
   groupcat='nidump group .'
@end
   ;;
  *) echo "You told me, so don't blame me."
   case "$passcat" in
   nidump*) passcat="
@if groupcat
     groupcat=";;
@end
   esac
@if groupcat
   echo "(Assuming /etc/group is handled the same way.)"
@end
   ;;
  esac
@end
@if hostcat
  echo " "
  rp='Do you get the hosts file via NetInfo?'
  dflt=y
  case "$hostcat" in
  nidump*) ;;
  ") ;;
  *) dflt=n;;
  esac
  . ./myread
```

```
  case "$ans" in
  y*) hostcat='nidump hosts .';;
  *) case "$hostcat" in
   nidump*) hostcat="';;
   esac
   ;;
  esac
@end
 fi
@if passcat || groupcat
 case "$passcat" in
 nidump*) ;;
 *)
  case "$passcat" in
  *ypcat*) dflt=y;;
  ")
 if $contains '^\+' /etc/passwd >/dev/null 2>&1; then
    dflt=y
   else
    dflt=n
   fi;;
  *) dflt=n;;
  esac
  echo " "
  rp='Are you getting the passwd file via yellow pages?'
  . ./myread
  case "$ans" in
  y*) passcat='ypcat passwd'
@if groupcat
   echo "(Assuming /etc/group is also distributed.)"
   groupcat='ypcat group'
@end
   ;;
  *) passcat='cat /etc/passwd'
@if groupcat
   echo "(Assuming /etc/group is also local.)"
   groupcat='cat /etc/group'
@end
   ;;
  esac
  ;;
 esac
@end
@if hostcat
 case "$hostcat" in
 nidump*) ;;
 *)
  case "$hostcat" in
```

```
  *ypcat*) dflt=y;;
  ") if $contains '^\+' /etc/passwd >/dev/null 2>&1; then
    dflt=y
   else
    dflt=n
   fi;;
  *) dflt=n;;
  esac
  echo " "
  rp='Are you getting the hosts file via yellow pages?'
  . ./myread
  case "$ans" in
  y*) hostcat='ypcat hosts';;
  *) hostcat='cat /etc/hosts';;
  esac
  ;;
 esac
@end
fi
?X: Ensure suitable default -- Manoj Srivastava
case "$hostcat" in
") hostcat=':'
 $test -f /etc/hosts && hostcat='cat
 /etc/hosts';;
esac
case "$groupcat" in
") groupcat=':'
 $test -f /etc/group && groupcat='cat /etc/group';;
esac
case "$passcat" in
") passcat=':'
 $test -f /etc/passwd && passcat='cat /etc/passwd';;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/nis.U
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```
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
?RCS: $Log: Instruct.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  15:02:55  ram
?RCS: patch61: logname / whoami sequence rewritten to use case
?RCS:
?RCS: Revision 3.0.1.2  1995/02/15  14:11:34  ram
?RCS: patch51: author name now appears at the end of the paragraph (WED)
?RCS:
?RCS: Revision 3.0.1.1  1995/01/11  15:12:05  ram
?RCS: patch45: now documents the & escape to turn -d on at the read prompt
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:04  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X:
 This unit spew out the directions that we want everyone to read.  I try to
?X: keep the first "pagefull" much less than a page since they don't know it
?X: isn't going to go shooting off the top of the screen, and we don't want
?X: to panic them yet.
?X:
?MAKE:Instruct: Begin Myread Configdir contains
?MAKE: -pick wipe $@ %<
?T:user needman firsttime
: general instructions
needman=true
firsttime=true
user=`(logname) 2>/dev/null`
case "$user" in
") user=`whoami 2>&1`;;
esac
if $contains "^$user\$" ../.config/instruct >/dev/null 2>&1; then
 firsttime=false
 echo " "
 rp='Would you like to see the instructions?'
 dflt=n
 . ./myread
 case "$ans" in
 [yY]*) ;;
 *) needman=false;;
 esac
fi
if $needman; then
 cat <<EOH

This installation shell script will examine your system and ask you questions
to determine how the <PACKAGENAME> package should be installed. If you get
stuck on a question, you may use a ! shell escape to start a subshell or
```

```
execute a command.  Many of the questions will have
 default answers in square
brackets; typing carriage return will give you the default.

On some of the questions which ask for file or directory names you are allowed
to use the ~name construct to specify the login directory belonging to "name",
even if you don't have a shell which knows about that.  Questions where this is
allowed will be marked "(~name ok)".

EOH
 rp=''
 dflt='Type carriage return to continue'
 . ./myread
 cat <<'EOH'

The prompter used in this script allows you to use shell variables and
backticks in your answers.  You may use $1, $2, etc...  to refer to the words
in the default answer, as if the default line was a set of arguments given to a
script shell.  This means you may also use $* to repeat the whole default line,
so you do not have to re-type everything to add something to the default.

Everytime there is a substitution, you will have to confirm.  If there is an
error (e.g. an unmatched backtick), the default answer will remain unchanged
and you will be prompted
 again.

If you are in a hurry, you may run 'Configure -d'.  This will bypass nearly all
the questions and use the computed defaults (or the previous answers if there
was already a config.sh file). Type 'Configure -h' for a list of options.
You may also start interactively and then answer '& -d' at any prompt to turn
on the non-interactive behaviour for the remainder of the execution.

EOH
 . ./myread
 cat <<EOH

Much effort has been expended to ensure that this shell script will run on any
Unix system.  If despite that it blows up on yours, your best bet is to edit
Configure and run it again.  If you can't run Configure for some reason,
you'll have to generate a config.sh file by hand.  Whatever problems you
have, let me (<MAINTLOC>) know how I blew it.

This installation script affects things in two ways:

1) it may do direct variable substitutions on some of the files included
  in this kit.
2) it builds a config.h file for inclusion in C programs.  You may edit
  any of these
```

```
 files as the need arises after running this script.

If you make a mistake on a question, there is no easy way to back up to it
currently.  The easiest thing to do is to edit config.sh and rerun all the SH
files.  Configure will offer to let you do this before it runs the SH files.

EOH
?X: In case they played with the prompter...
 dflt='Type carriage return to continue'
 . ./myread
 case "$firsttime" in
 true) echo $user >>../.config/instruct;;
 esac
fi

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/dist/U/Instruct.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: vendorman3dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999-2000, Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: vendorman3dir.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:vendorman3dir vendorman3direxp installvendorman3dir: man3dir Getfile \
 Oldconfig Setprefixvar Prefixit test vendorprefix prefix sed
?MAKE: -pick add $@ %<
?Y:TOP
?S:vendorman3dir:
?S: This variable contains the name of the directory for man3
?S: pages.  It may have a ~ on the front.
?S: The standard distribution will put nothing in this directory.
?S: Vendors
 who distribute perl may wish to place their own
?S: man3 pages in this directory with
?S:  MakeMaker Makefile.PL INSTALLDIRS=vendor
?S: or equivalent.  See INSTALL for details.
?S:.
```

```
?S:vendorman3direxp:
?S: This variable is the ~name expanded version of vendorman3dir, so that you
?S: may use it directly in Makefiles or shell scripts.
?S:.
?D:installvendorman3dir=''
?S:installvendorman3dir:
?S: This variable is really the same as vendorman3direxp but may differ on
?S: those systems using AFS. For extra portability, only this variable
?S: should be used in makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installvendorman3dir
: Set the vendorman3dir variables
case "$vendorprefix" in
'') vendorman3dir=''
 vendorman3direxp=''
 ;;
*) : determine where vendor-supplied module manual pages go.
 case "$vendorman3dir" in
 '') dflt=`echo "$man3dir" | $sed "s#^$prefix#$vendorprefix#"` ;;
 *) dflt=$vendorman3dir ;;
 esac
 case "$dflt" in
 '|' ') dflt=none ;;
 esac
 fn=nd~+
 rp='Pathname
 for the vendor-supplied manual section 3 pages?'
 . ./getfile
 vendorman3dir="$ans"
 vendorman3direxp="$ansexp"
 ;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorman3dir" = "X" && vendorman3dir=' '
prefixvar=vendorman3dir
. ./installprefix
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorman3dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: MailAuthor.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: MailAuthor.U,v $
?RCS: Revision 3.0.1.5  1997/02/28  15:04:41  ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.4  1994/08/29  16:05:09  ram
?RCS: patch32: avoid message sending if they said no previously
?RCS:
?RCS: Revision 3.0.1.3  1993/10/16  13:47:30  ram
?RCS: patch12: now makes sure user-specified address is in Internet format
?RCS:
?RCS: Revision
 3.0.1.2  1993/09/13  15:48:49  ram
?RCS: patch10: reverted to original intent by the Author himself
?RCS:
?RCS: Revision 3.0.1.1  1993/08/27  14:38:38  ram
?RCS: patch7: now prompts user for its e-mail address
?RCS: patch7: no longer silent when mail has been sent
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:06  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?RCS:
?X:
?X: This unit asks the user to please send a message to the author.
?X: To force inclusion of this unit, you must add it's name to the
?X: dependancies on the MAKE line in your private copy of End.U.
?X: This allows a smart mailagent program to automatically let users know
?X: when their package is out of date, and to allow users to be notified of
?X: any future patches.
?X:
?MAKE:MailAuthor mailpatches notifypatches usermail: test cat mailer \
 package Myread patchlevel baserev rm rsrc Oldconfig Configdir
?MAKE: -pick wipe $@ %<
?S:mailpatches:
?S: Indicates whether the user would like future patches to be mailed
?S: directly
 to them.
?S:.
?S:notifypatches:
?S: Indicates whether the user would like notification of future patches
?S: mailed to them.
```

```
?S:.
?S:usermail:
?S: This variable is used internally by Configure to keep track of the
?S: user e-mail address, where notifications or patches should be sent.
?S: A '-' value means the return address will be extracted by parsing
?S: the mail headers.
?S:.
?T:opt mailpatches notifypatches atsh status
: notify author that his package is used
if $test -f ../.config/mailauthor &&
 cmp $rsrc/patchlevel.h ../.config/mailauthor >/dev/null 2>&1
then
 status="say that you're using $package";
 case "$mailpatches" in
 true) status='have patches mailed to you as they are issued';;
 esac
 case "$notifypatches" in
 true) status='be notified when new patches are issued';;
 esac
 $cat <<EOM

You have already sent the author of $package (<MAINTLOC>) mail to
$status. If you wish, you may modify
your previous request by sending a new mail with different options.

EOM
 rp='Should
 I send a status update to <MAINTLOC>?'
 dflt=n
else
 $cat <<EOM

If you are able to send mail to the Internet, the author of $package would
really appreciate you letting me send off a quick note, just to say that you've
tried it. The author is more likely to spend time maintaining $package if it's
known that many people are using it, and you can even ask to get sent new
patches automagically this way if you wish. To protect your privacy, all I'll
say in the mail is the version of $package that you're using.

EOM
 rp='Should I send mail to <MAINTLOC>?'
 dflt=y
?X: Ensure default is 'n' if question has been asked already, in case they
?X: run Configure -d next time and answered 'n' the first time. Therefore,
?X: an empty nomail will be created later on even if no mail is sent.
 $test -f ../.config/nomail && dflt=n
fi
. ./myread
```

```
case "$ans" in
[yY]*)
 echo " "
 echo "Great! Your cooperation is really appreciated."
 $cat <<EOM

Some braindead sites do not set a proper return
 address in the From: header of
their outgoing mail, making it impossible to reply to mail they generate.
If your site is broken in this way, write to your system administrator and get
it fixed!!! In the mean time, you can manually specify the Internet e-mail
address by which the author can get back to you, should there be a need to do
so. If manually specified, it should be something like "user@domain.top".
If your mail system generates addresses correctly, specify "none".

EOM
 case "$usermail" in
 '-'|'') dflt=none;;
 *) dflt="$usermail";;
 esac
 rp='Manually specify a return address to use:'
 . ./myread
 case "$ans" in
 none|*@*.*)
  case "$ans" in
  none) usermail='-';;
  *) usermail="$ans";;
  esac
  ;;
 *)
  echo "(Address does not look like an Internet one -- ignoring it.)"
?X:
?X: If we can't trust their mailer or their return address, it's highly
?X: suggested that they only register and don't ask to get anything from
?X: the author, since it's likely to bounce in null-land --
 RAM.
?X:
  usermail='-'
  mailpatches=false
  notifypatches=false
  ;;
 esac
 echo " "
 opt=''
 rp='Would you like to have new patches automatically mailed to you?'
 case "$mailpatches" in
 true) dflt=y;;
 *) dflt=n;;
```

```
 esac
 . ./myread
 case "$ans" in
 [yY]*) opt=' mailpatches'; mailpatches=true;;
 *)
  mailpatches=false
  echo " "
  rp='Ok, would you like to simply be notified of new patches?'
  case "$notifypatches" in
  false) dflt=n;;
  *) dflt=y;;
  esac
  . ./myread
  echo " "
  case "$ans" in
  [yY]*) opt=' notifypatches'; notifypatches=true;;
  *)
   echo "Fine, I'll simply say that you've tried it then."
   notifypatches=false
   ;;
  esac
  ;;
 esac
 echo "Sending mail to <MAINTLOC>..." >&4
?X: Bizarre hack here. We can't just put @SH in the hereis lines below, because
?X: metaconfig will interpret it as a command, and there's no quoting mechanism.
?X: Do it via a variable instead.
 atsh='@SH'
 $mailer <MAINTLOC> <<EOM >/dev/null 2>&1
Subject: Command
Precedence: junk
To: <MAINTLOC>

$atsh
 package $usermail $package $baserev $patchlevel$opt
EOM
 $rm -f ../.config/mailauthor ../.config/nomail
 cp $rsrc/patchlevel.h ../.config/mailauthor
 ;;
*)
 case "$dflt" in
 "y")
  echo "Oh well, maybe next time."
  cp /dev/null ../.config/nomail
  ;;
 esac
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/MailAuthor.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorman1dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999, Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: vendorman1dir.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:vendorman1dir vendorman1direxp installvendorman1dir: man1dir Getfile \
 Oldconfig Setprefixvar Prefixit test vendorprefix prefix sed
?MAKE: -pick add $@ %<
?Y:TOP
?S:vendorman1dir:
?S: This variable contains the name of the directory for man1
?S: pages.  It may have a ~ on the front.
?S: The standard distribution will put nothing in this directory.
?S: Vendors
 who distribute perl may wish to place their own
?S: man1 pages in this directory with
?S:  MakeMaker Makefile.PL INSTALLDIRS=vendor
?S: or equivalent.  See INSTALL for details.
?S:.
?S:vendorman1direxp:
?S: This variable is the ~name expanded version of vendorman1dir, so that you
?S: may use it directly in Makefiles or shell scripts.
?S:.
?D:installvendorman1dir="
?S:installvendorman1dir:
?S: This variable is really the same as vendorman1direxp but may differ on
?S: those systems using AFS. For extra portability, only this variable
?S: should be used in makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installvendorman1dir
: Set the vendorman1dir variables
case "$vendorprefix" in
```

```
") vendorman1dir="
 vendorman1direxp="
 ;;
*) : determine where vendor-supplied manual pages go.
 case "$vendorman1dir" in
 ") dflt=`echo "$man1dir" | $sed "s#^$prefix#$vendorprefix#"` ;;
 *) dflt=$vendorman1dir ;;
 esac
 case "$dflt" in
 "|' ') dflt=none ;;
 esac
 fn=nd~+
 rp='Pathname for
 the vendor-supplied manual section 1 pages?'
 . ./getfile
 vendorman1dir="$ans"
 vendorman1direxp="$ansexp"
 ;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorman1dir" = "X" && vendorman1dir=' '
prefixvar=vendorman1dir
. ./installprefix
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorman1dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: yacc.U,v $
?RCS: Revision 3.0.1.1  1994/05/13  15:28:48  ram
?RCS: patch27: added byacc as another alternative (ADO)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:10:03  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:yacc yaccflags: Guess Myread Loc Oldconfig byacc bison cat test
?MAKE: -pick add $@ %<
```

```
?S:yacc:
?S: This variable holds the name of the compiler compiler we
?S: want to use in the Makefile. It can be yacc, byacc, or bison -y.
?S:.
?S:yaccflags:
?S: This variable contains any
 additional yacc flags desired by the
?S: user.  It is up to the Makefile to use this.
?S:.
?T:comp
: determine compiler compiler
echo " "
comp='yacc'
if $test -f "$byacc$_exe"; then
 comp="byacc or $comp"
fi
if $test -f "$bison$_exe"; then
 comp="$comp or bison -y"
fi
case "$yacc" in
")
 yacc=`./loc yacc yacc $pth`
 if $test -f "$yacc$_exe"; then
  dflt='yacc'
 elif $test -f "$byacc$_exe"; then
  dflt='byacc'
 elif $test -f "$bison$_exe"; then
  dflt='bison'
 else
  dflt=''
 fi
 ;;
*) dflt="$yacc";;
esac
rp="Which compiler compiler ($comp) shall I use?"
. ./myread
yacc="$ans"
case "$yacc" in
*bis*)
 case "$yacc" in
 *-y*) ;;
 *)
  yacc="$yacc -y"
  echo "(Adding -y option to bison to get yacc-compatible behaviour.)"
  ;;
 esac
 ;;
esac
```

```
@if yaccflags
: see if we need extra yacc flags
dflt="$yaccflags"
case "$dflt" in
") dflt=none;;
esac
$cat <<EOH

Your yacc program may need extra flags to normally process the parser sources.
Do NOT specify any -d or -v flags here, since those are
 explicitly known
by the various Makefiles. However, if your machine has strange/undocumented
options (like -Sr# on SCO to specify the maximum number of grammar rules), then
please add them here.  To use no flags, specify the word "none".

EOH
rp="Any additional yacc flags?"
. ./myread
case "$ans" in
none) yaccflags="";;
*) yaccflags="$ans";;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/yacc.U
No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_sitecustomize.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/usedtrace.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_strerror_r.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_fsync.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_memmem.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_ilogb.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_llrintl.U

*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_strlcpy.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_logb.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_lroundl.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_getgrgid_r.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_getgrent.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_remainder.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_ieeefp.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_getnetbyaddr_r.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/usequadmath.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_strtoull.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_strnlen.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_socks.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_timegm.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_getcwd.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_syslog.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_readv.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_llroundl.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_gethostent_r.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/usedefaultstrict.U
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* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_isinfl.U
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* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_strtouq.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_unsetenv.U
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* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_gethbyad.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_crypt_r.U
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5.38.0/U/perl/d_cmsghdr_s.U
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*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_shadow.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_fp_class.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/usefaststdio.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_endpwent.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_getservent_r.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_strerror_l.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/U/perl/d_getaddrinfo.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_endservent_r.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/usemultiplicity.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_aintl.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/longdblfio.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/acl/d_accessx.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_lgamma.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_round.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_exp2.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/perlxvf.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_memrchr.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_langinfo.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/uselongdbl.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_endgrent_r.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_isinf.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_libm_lib_version.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_getpwnam_r.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_crypt.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_acosh.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_srandom_r.U
No license file was found, but licenses were detected in source scan.

?RCS: Copyright (c) 1996, Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.

```
?RCS:
?MAKE:perladmin: cf_email Oldconfig Myread cat
?MAKE: -pick add $@ %<
?Y:TOP
?S:perladmin:
?S: Electronic mail address of the perl5 administrator.
?S:.
: Ask e-mail of administrator
$cat <<EOM

If you or somebody else will be maintaining perl at your site, please
fill in the correct e-mail address here so that they may be contacted
if necessary. You may enter "none" for no administrator.

EOM
case "$perladmin" in
") dflt="$cf_email";;
*) dflt="$perladmin";;
esac
rp='Perl administrator e-mail address'
. ./myread
perladmin="$ans"
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/perladmin.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: usenm.U,v 3.0.1.1 1997/02/28 16:26:40 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: usenm.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:26:40  ram
?RCS: patch61: don't use nm with the GNU C library
?RCS: patch61: added support for Linux shared libs
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:57  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:usenm runnm nm_opt nm_so_opt: cat test Myread Oldconfig myuname grep \
 nm d_gnulibc osname egrep rsrc
```

```
?MAKE: -pick add $@ %<
?S:usenm:
?S: This variable contains 'true' or 'false' depending
 whether the
?S: nm extraction is wanted or not.
?S:.
?S:runnm:
?S: This variable contains 'true' or 'false' depending whether the
?S: nm extraction should be performed or not, according to the value
?S: of usenm and the flags on the Configure command line.
?S:.
?S:nm_opt:
?S: This variable holds the options that may be necessary for nm.
?S:.
?S:nm_so_opt:
?S: This variable holds the options that may be necessary for nm
?S: to work on a shared library but that can not be used on an
?S: archive library.  Currently, this is only used by Linux, where
?S: nm --dynamic is *required* to get symbols from an ELF library which
?S: has been stripped, but nm --dynamic is *fatal* on an archive library.
?S: Maybe Linux should just always set usenm=false.
?S:.
: see if nm is to be used to determine whether a symbol is defined or not
?X: If there is enough inquiries, it might be worth to wait for the nm
?X: extraction. Otherwise, the C compilations might be a better deal.
?X:
?X: Don't bother if we're
 using GNU libc -- skimo
?LINT:extern PASE
case "$usenm" in
")
 dflt="
 case "$d_gnulibc" in
 "$define")
  echo " "
  echo "nm probably won't work on the GNU C Library." >&4
  dflt=n
  ;;
 esac
 case "$dflt" in
 ")
  if $test "$osname" = aix -a "X$PASE" != "Xdefine" -a ! -f /lib/syscalls.exp; then
   echo " "
   echo "Whoops!  This is an AIX system without /lib/syscalls.exp!" >&4
   echo "'nm' won't be sufficient on this system." >&4
   dflt=n
  fi
  ;;
```

```
 esac
 case "$dflt" in
 ") dflt=`$egrep 'inlibc|csym' $rsrc/Configure | wc -l 2>/dev/null`
  if $test $dflt -gt 20; then
   dflt=y
  else
   dflt=n
  fi
  ;;
 esac
 ;;
*)
 case "$usenm" in
 true|$define) dflt=y;;
 *) dflt=n;;
 esac
 ;;
esac
$cat <<EOM

I can use $nm to extract the symbols from your C libraries. This
is a time consuming task which may generate huge output on the disk (up
to 3 megabytes) but that should make the symbols extraction faster. The
alternative is to skip the 'nm' extraction part and to compile a small
test
 program instead to determine whether each symbol is present. If
you have a fast C compiler and/or if your 'nm' output cannot be parsed,
this may be the best solution.

You probably shouldn't let me use 'nm' if you are using the GNU C Library.

EOM
rp="Shall I use $nm to extract C symbols from the libraries?"
. ./myread
case "$ans" in
[Nn]*) usenm=false;;
*) usenm=true;;
esac

?X: Name extraction is to be run if 'nm' usage is wanted and if no -r flag
?X: was provided to configure (in which case we simply re-use the previous
?X: values).
runnm=$usenm
case "$reuseval" in
true) runnm=false;;
esac

: nm options which may be necessary
```

```
case "$nm_opt" in
") if $test -f /mach_boot; then
  nm_opt=" # Mach
 elif $test -d /usr/ccs/lib; then
  nm_opt='-p' # Solaris (and SunOS?)
 elif $test -f /dgux; then
  nm_opt='-p' # DG-UX
 elif $test -f /lib64/rld; then
  nm_opt='-p' # 64-bit Irix
 else
  nm_opt="
 fi;;
esac

: nm options which may be necessary for shared libraries but illegal
: for archive
 libraries.  Thank you, Linux.
case "$nm_so_opt" in
") case "$myuname" in
 *linux*|gnu*)
  if $nm --help | $grep 'dynamic' > /dev/null 2>&1; then
   nm_so_opt='--dynamic'
  fi
  ;;
 esac
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/usenm.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: mailer.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: mailer.U,v $
?RCS: Revision 3.0.1.3  1995/01/11  15:32:11  ram
?RCS: patch45: can now use Loc variables since path stripping is deferred
?RCS:
?RCS: Revision 3.0.1.2  1994/05/06  15:10:04  ram
```

```
?RCS: patch23: ensure full path value is used for rmail also
?RCS:
?RCS: Revision 3.0.1.1  1994/01/24  14:14:18  ram
?RCS: patch16: now use _sendmail vars and friends for portability issues
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:10  ram
?RCS: Baseline for dist
 3.0 netwide release.
?RCS:
?MAKE:mailer: test cat rmail mail smail sendmail Getfile Oldconfig
?MAKE: -pick add $@ %<
?S:mailer:
?S: This variable contains the full pathname of a reasonable mailer.
?S: By reasonable, we mean some program which can understand internet
?S: addresses or at least forward them to some internet router. This
?S: mailer should be invoked as "mailer [options] recipients <mail".
?S:.
: determine the name of a reasonable mailer
case "$mailer" in
")
 if $test -f "$sendmail"; then
  dflt="$sendmail"
 elif $test -f "$smail"; then
  dflt="$smail"
 elif $test -f "$rmail"; then
  dflt="$rmail"
 elif $test -f /bin/mail; then
  dflt=/bin/mail
 else
  dflt=$mail
 fi
 ;;
*)  dflt="$mailer";;
esac
$cat <<EOM

I need the full pathname of the program used to deliver mail on your system.
A typical answer would be /usr/lib/sendmail or /bin/rmail, but you may choose
any other program, as long as it can be fed from standard input and will
honour any user-supplied headers.

EOM
fn=f
rp='Mail
 transport agent to be used?'
. ./getfile
mailer="$ans"
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/mailer.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Init.U,v $
?RCS: Revision 3.0.1.1  1994/10/31  09:45:59  ram
?RCS: patch44: removed Options from MAKE to prevent Init overrides
?RCS: patch44: option processing now done after Myinit thanks to new Begin.U
?RCS: patch44: moved "Beginning of configuration questions" to Begin.U
?RCS: patch44: moved signal trapping instruction to Begin.U as well
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:02  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This file initializes certain default variables
 used by Configure.  They
?X: may be overridden or added to by definitions in Myinit.U.
?X:
?MAKE:Init eunicefix _exe: Null
?MAKE: -pick add $@ %<
?MAKE: -pick weed $@ ./Init
?S:eunicefix:
?S: When running under Eunice this variable contains a command which will
?S: convert a shell script to the proper form of text file for it to be
?S: executable by the shell.  On other systems it is a no-op.
?S:.
?S:_exe (exe_ext):
?S: This variable defines the extension used for executable files.
?S: For unix it is empty.  Other possible values include '.exe'.
?S: DJGPP, Cygwin and OS/2 use '.exe'.  Stratus VOS uses '.pm'.
?S: On operating systems which do not require a specific extension
?S: for executable files, this variable is empty.
?S:.
?V:define undef smallmach:rmlist
?X:
?X: Throughout the units, one may make use of $define and $undef to reference
```

```
?X: a defined symbol or an undefined one. There is no need to add them in
?X: the dependency line since this unit makes them visible via ?V:, and
?X:
 everyone inherits from those symbols since by convention Init.U is the
?X: root dependency.
?X:
?T: DJGPP
: Initialize wide constants
define='define'
undef='undef'
smallmach='pdp11 i8086 z8000 i80286 iAPX286'
rmlist=''

: We must find out about Eunice early
eunicefix=':'
if test -f /etc/unixtovms; then
 eunicefix=/etc/unixtovms
fi
if test -f /etc/unixtovms.exe; then
 eunicefix=/etc/unixtovms.exe
fi

: Set executable suffix now -- needed before hints available
if test -f "/libs/version.library"; then
 : Amiga OS
  _exe=""
elif test -f "/system/gnu_library/bin/ar.pm"; then
 : Stratus VOS
 _exe=".pm"
elif test -n "$DJGPP"; then
 : DOS DJGPP
  _exe=".exe"
elif test -d c:/. ; then
 : OS/2 or cygwin
 _exe=".exe"
else
 : All other UNIX systems
 _exe=""
fi
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Init.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: lintlib.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: lintlib.U,v $
?RCS: Revision 3.0  1993/08/18  12:09:05  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:lintlib lintlibexp: Getfile Loc Oldconfig
?MAKE: -pick add $@ %<
?S:lintlib:
?S: This variable holds the name of the directory in which the user wants
?S: to put public lint-library files for the package in question.  It is
?S: most often a local directory such as /usr/local/lib/lint. Programs using
?S: this variable must be prepared to
 deal with ~name expansion.
?S:.
?S:lintlibexp:
?S: This variable is the same as the lintlib variable, but is filename
?S: expanded at configuration time, for convenient use in your makefiles.
?S:.
: determine where public lint libraries go
case "$lintlib" in
") dflt=`./loc . "." /usr/local/lib/lint /usr/lib/lint /usr/lib`;;
*) dflt="$lintlib" ;;
esac
echo " "
fn=d~
rp='Where do you want to put the public lint libraries?'
. ./getfile
lintlib="$ans"
lintlibexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/lintlib.U
No license file was found, but licenses were detected in source scan.

```
/*|?:[\/]*)
if test -f "$xxx"; then
: ok
else
./warn "no $xxx -- ignoring your setting for $file."
xxx=`./loc $file $file $pth`
fi
```

```
;;
") xxx=`./loc $file $file $pth`;;
*) xxx=`./loc $xxx $xxx $pth`;;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\/]*)
echo $file is in $xxx.
;;
*)
echo "I don't know where '$file' is, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac
done
echo " "
echo "Don't worry if any of the following aren't found..."
say=offhand
for file in $trylist; do
?X: Allow them to -Dmake=pmake on the command line for instance (see above)
eval xxx=\$$file
case "$xxx" in
/*|?:[\/]*)
if test -f "$xxx"; then
: ok
else
./warn "no $xxx -- ignoring your setting for $file."
xxx=`./loc $file $file $pth`
fi
;;
") xxx=`./loc $file $file $pth`;;
*) xxx=`./loc $xxx
 $xxx $pth`;;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\/]*)
```

```
echo $file is in $xxx.
;;
*)
echo "I don't see $file out there, $say."
say=either
;;
esac
done
case "$egrep" in
egrep)
echo "Substituting grep for egrep."
egrep=$grep
_egrep=$_grep
;;
esac
@if ln
case "$ln" in
ln)
echo "Substituting cp for ln."
ln=$cp
_ln=$_cp
;;
esac
@end
@if make || gmake
case "$make" in
make)
case "$gmake" in
gmake)
echo "I can't find make or gmake, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac
;;
esac
case "$gmake" in
gmake) ;;
*) # We can't have osname yet.
if test -f "/system/gnu_library/bin/ar.pm"; then # Stratus VOS
# Assume that gmake, if found, is definitely GNU make
# and prefer it over the system make.
echo "Substituting gmake for make."
make=$gmake
_make=$_gmake
fi
;;
esac
```

```
@end
case "$test" in
test)
echo "Hopefully test is built into
 your sh."
;;
*)
if `sh -c "PATH= test true" >/dev/null 2>&1`; then
echo "Using the test built into your sh."
?X:
?X: We need to set both test and _test, since Oldconfig.U will use the _test
?X: value to systematically restore computed paths, which may be wrong if
?X: we choose to load an old config.sh generated on another platform.
?X:
test=test
_test=test
fi
;;
esac
?LINT:change n c
case "$echo" in
echo)
echo "Hopefully echo is built into your sh."
;;
?X: For those rare cases where we don't need $echo...
") ;;
*)
echo " "
echo "Checking compatibility between $echo and builtin echo (if any)..." >&4
$echo $n "hi there$c" >foo1
echo $n "hi there$c" >foo2
if cmp foo1 foo2 >/dev/null 2>&1; then
echo "They are compatible.  In fact, they may be identical."
else
case "$n" in
'-n') n=" c='\c';;
*) n='-n' c=";;
esac
cat <<FOO
They are not compatible!  You are probably running ksh on a non-USG system.
I'll have to use $echo instead of the builtin, since Bourne shell doesn't
have echo built
 in and we may have to run some Bourne shell scripts.  That
means I'll have to use '$n$c' to suppress newlines now.  Life is ridiculous.

FOO
$echo $n "The star should be here-->$c"
$echo "*"
```

```
fi
$rm -f foo1 foo2
;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Loc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: package.U,v $
?RCS: Revision 3.0.1.3  1994/10/29  16:27:21  ram
?RCS: patch36: beware of non-ascii character sets when translating case
?RCS:
?RCS: Revision 3.0.1.2  1993/11/10  17:37:02  ram
?RCS: patch14: skip definition of spackage if not otherwise used
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:11:10  ram
?RCS: patch10: added spackage, suitable for starting sentences
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:28  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:package spackage:
 Nothing
?MAKE: -pick wipe $@ %<
?S:package:
?S: This variable contains the name of the package being constructed.
?S: It is primarily intended for the use of later Configure units.
?S:.
?S:spackage:
?S: This variable contains the name of the package being constructed,
?S: with the first letter uppercased, i.e. suitable for starting
?S: sentences.
?S:.
?C:PACKAGE:
?C: This variable contains the name of the package being built.
?C:.
```

```
?H:#define PACKAGE "$package"
?H:.
?T:first last
: set package name
package='<PACKAGENAME>'
@if spackage
first=`echo $package | sed -e 's/^\(.\).*/\1/'`
last=`echo $package | sed -e 's/^.\(.*\)/\1/'`
?X:
?X: So early in the Configure script, we don't have ./tr set up and can't
?X: include Tr in our dependency or that would create a cycle. Therefore,
?X: we have to somehow duplicate the work done in Tr. That's life.
?X:
case "`echo AbyZ | tr '[:lower:]' '[:upper:]' 2>/dev/null`" in
ABYZ) spackage=`echo $first | tr '[:lower:]' '[:upper:]'`$last;;
*) spackage=`echo
 $first | tr '[a-z]' '[A-Z]'`$last;;
esac
@end
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/package.U
No license file was found, but licenses were detected in source scan.

Perl5 Metaconfig Units

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These units are the ones I used to build Configure and config_h.SH
in the Perl5 distribution.

The Configure script and config_h.SH file in the Perl distribution are
generated by a program called metaconfig. To run metaconfig, you will
need the full dist 3.0 distribution, maintained by Raphael Manfredi.
As of this writing, the current version is dist3.0, patchlevel 70.
Dist version dist-3.0@70.tar.gz is available on CPAN (the Comprehensive
Perl Archive Network) as
<http://www.perl.com/perl/CPAN/authors/id/RAM/dist-3.0@70.tar.gz>.

Instructions:

1. Unpack the full perl5 sources. Execute the following command

```
 chmod +w Configure config_h.SH Porting/Glossary Porting/config*
```

2. Unpack the archive containing this file in the perl5 source
directory. This will create a directory
'U' under the perl5
sources. That directory will contain the metaconfig units for perl5.
This will also create two files in the perl5 source tree:
MANIFEST.new and .package.

3. Apply any patches to perl in the perl_patches/ directory.
(This may well be empty.)

4. Obtain and install dist-3.0pl70.

4. Apply any patches to dist under the dist_patches subdirectory.

5. From your main perl5 source directory, run packinit to
regenerate the .package file. IMPORTANT: Change the name and
address of the maintainer to your own name and address. I don't
want bug reports intended for you coming to me.

6. From your main perl5 source directory, run

metalint (or mlint)

and repair every failure it reports.

7. From your main perl5 source directory, run

metaconfig -m (or mconfig -m)

8. Edit U/mkglossary and/or U/mkgloss.pl to point to your dist-3.0pl70
location. (See comments at the top.)

9. Run the Porting/mksample script to update the contents
of the Porting/
subdirectory, or run all parts by hand. (see README)

NB: this script used to be U/mksample replaced by Porting/mksample;
see Porting/pumpkin.pod instead for current documentation on its
use.

10. Let me know about any changes, corrections, or enhancements.

Things to watch out for:

1. Future support of better random number generators should probably
start with the randfunc.U unit included here. It's currently
broken, but well commented and probably a good place to start.

Descriptions:

The units and other related files have been broken up into the following directories:

acl/
This is an old patch to begin to detect and use ACL (access control list) file protection schemes.

compline/
These are similar to the standard units, but I have modified them to have a more uniform compile command line, usually using the new Compile.U unit. I have submitted these for inclusion into the regular dist distribution. (The ccflags.U unit is actually perl-specific since it mentions -DDEBUGGING and -DPOSIX_SOURCE, but that's the only place it is perl-specific.)

dist_patches/
These are patches to dist that must be applied before it is built and installed. I have submitted these for inclusion in the regular dist distribution.

modified/
These are modified versions of the standard units. Also included in this directory are new units that are clearly derived from existing units. I have submitted these for inclusion in the regular dist distribution.

perl/
These are specific to perl. Some are heavily derived from original dist units, and are marked as such. Others are original.

perl_patches/
These are patches to the perl source. This directory should ordinarily be empty, but there may have been drift between the standard version of perl and the one associated with these units.

protos/
These are units modified to use the new Hasproto.U or Protochk.U units to check for prototypes. I have submitted these for inclusion into the regular dist distribution.

target/
This is the very, very beginning of cross-compiler support. It doesn't work yet, and many standard units will need modification.

typedefs/
These are standard units modified to use the modified Typedef.U unit to check for typedefs. (The modified Typdef.U includes a function to avoid unnecessary prompts if the typdef being searched for exists.) I have submitted these for inclusion into the regular dist distribution.

threads/
These are specific to threading perl.

Copyright Information:

Unless otherwise indicated, the files contained in this distribution are:

Copyright (c) 1996-1998, Andy Dougherty

The following licensing terms apply to all files contained in this distribution:

You may distribute the files contained in this distribution under the terms of either

a) the "Artistic License" which comes with Perl,
or

b) the "Artistic License" which comes with dist, or

c) the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version (see the file "Copying" that comes with the Perl distribution).

Which one to use is your choice.

The units in the "modified" directory have been derived from units associated with the metaconfig program of Raphael Manfredi's "dist" distribution. These units list Raphael Manfredi as the Copyright holder. dist is distributed under a modified version of the Perl Artistic License. Clause 7 of this modified license as contained in dist-3.0-pl60 provides:

7. You may reuse parts of this Package in your own programs, provided that you explicitly state where you got them from, in the source code (and, left to your courtesy, in the documentation), duplicating all the associated copyright notices and disclaimers. Besides your changes, if any, must be clearly marked

as such. Parts reused
that way will no longer fall under this license if, and only if,
the name of your program(s) have no immediate connection with the
name of the Package itself or its associated programs. You may then
apply whatever restrictions you wish on the reused parts or choose
to place them in the Public Domain--this will apply only within the
context of your package.

In accordance with this clause, the versions of these units
contained here are made available under the same terms as the
rest of the units.

If you have any questions about the use of these units or about
the differences between these units and the standard versions, please
feel free to ask.

Andy Dougherty doughera@lafayette.edu
Dept. of Physics
Lafayette College
Easton, PA 18042-1782

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/README.dist
No license file was found, but licenses were detected in source scan.

?RCS: $Id: man3dir.U,v 3.1 1999/07/08 20:52:19 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1996-1999, Andy Dougherty
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: man3dir.U,v $
?RCS: Revision 3.1 1999/07/08 20:52:19 doughera
?RCS: Updated for perl5.005_5x
?RCS:
?RCS: Revision 3.0.1.1 1997/02/28 16:10:34 ram
?RCS: patch61: created
?RCS:
?X: This was originally specific to perl5. Since perl5 has man pages that
?X: go in both man1/ and man3/ directories, we need both man1dir
?X: and man3dir. This unit is basically dist's mansrc.U with
?X: man3 used instead

```
 of man everywhere.
?X: I then added various tests because perl5 has *lots* of man3
?X: pages with long file names. -- ADO
?X:
?MAKE:man3dir man3direxp man3ext installman3dir: cat nroff Loc Oldconfig \
 sed man1dir spackage package Getfile Setprefixvar Prefixit Prefixup \
 d_flexfnam privlib Myread test
?MAKE: -pick add $@ %<
?Y:TOP
?D:man3dir=''
?S:man3dir:
?S: This variable contains the name of the directory in which manual
?S: source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?D:man3direxp=''
?S:man3direxp:
?S: This variable is the same as the man3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installman3dir=''
?S:installman3dir:
?S: This variable is really the same as man3direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man3direxp only
 points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:man3ext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '3'.  The Makefile must supply the '.'.
?S: See man3dir.
?S:.
?T:prog tdflt
?LINT:change prefixvar
?LINT:set man3direxp
: determine where library module manual pages go
set man3dir man3dir none
eval $prefixit
$cat <<EOM

$spackage has manual pages for many of the library modules.
EOM

case "$nroff" in
nroff)
 $cat <<'EOM'
```

```
However, you don't have nroff, so they're probably useless to you.
EOM
 case "$man3dir" in
 ") man3dir="none";;
 esac;;
esac

case "$d_flexfnam" in
undef)
 $cat <<'EOM'
However, your system can't handle the long file names like File::Basename.3.
EOM
 case "$man3dir" in
 ") man3dir="none";;
 esac;;
esac

echo "If you don't want the manual sources installed, answer 'none'."
?X: In 5.005_57 and earlier, I had the following notes:
?X:
 We do not use /usr/local/man/man3 because some man programs will
?X: only show the /usr/local/man/man3 contents, and not the system ones,
?X: thus man less will show the perl module less.pm, but not the system
?X: less command.  We might also conflict with Tcl man pages.
?X: However, something like /opt/perl/man/man3 is fine.
?X:
?X: However, opinion seems to be shifting such that 'man POSIX' ought
?X: to just work.  -- Andy Dougherty  July 8, 1999
?X:
?X: remove any trailing -3.0 or other version indication from $package
prog=`echo $package | $sed 's/-*[0-9.]*$//'`
case "$man3dir" in
") dflt=`echo "$man1dir" | $sed -e 's/man1/man3/g' -e 's/man\.1/man\.3/g'`
 if $test -d "$privlib/man/man3"; then
  cat <<EOM >&4

WARNING:  Previous versions of perl installed man3 pages into
$privlib/man/man3.  This version will suggest a
new default of $dflt.
EOM
  tdflt=$dflt
  dflt='n'
  rp='Do you wish to preserve the old behavior?(y/n)'
  . ./myread
  case "$ans" in
  y*) dflt="$privlib/man/man3"
 ;;
  *)  dflt=$tdflt ;;
```

```
  esac
   fi
 ;;
*) dflt="$man3dir" ;;
esac
case "$dflt" in
' ') dflt=none ;;
esac
echo " "
fn=dn+~
rp="Where do the $package library man pages (source) go?"
. ./getfile
prefixvar=man3dir
. ./setprefixvar

case "$man3dir" in
") man3dir=' '
 installman3dir=";;
esac

: What suffix to use on installed man pages
case "$man3dir" in
' ')
 man3ext='0'
 ;;
*)
 rp="What suffix should be used for the $package library man pages?"
 case "$man3ext" in
 ") case "$man3dir" in
  *3)  dflt=3 ;;
  *3p) dflt=3p ;;
  *3pm) dflt=3pm ;;
  *l) dflt=l;;
  *n) dflt=n;;
  *o) dflt=o;;
  *p) dflt=p;;
  *C) dflt=C;;
  *L) dflt=L;;
  *L3) dflt=L3;;
  *) dflt=3;;
  esac
  ;;
 *) dflt="$man3ext";;
 esac
 . ./myread
 man3ext="$ans"
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/man3dir.U
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/files/Jmake.tmpl
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Finish.U,v $
?RCS: Revision 3.0.1.6  1995/02/15  14:09:30  ram
?RCS: patch51: now clearer about how to edit config.sh at the prompt (WED)
?RCS:
?RCS: Revision 3.0.1.5  1994/10/29  15:53:14  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0.1.4  1994/05/06  14:19:37  ram
?RCS: patch23: added blank lines around 'End of Configure'
?RCS:
?RCS: Revision 3.0.1.3  1993/10/16  13:46:09  ram
?RCS: patch12: replaced Config_h by Magic_h in the dependency line
?RCS:
?RCS:
 Revision 3.0.1.2  1993/09/13  15:45:26  ram
?RCS: patch10: fixed shell evaluation w/o shell escape while in silent mode
?RCS:
?RCS: Revision 3.0.1.1  1993/08/30  08:55:59  ram
?RCS: patch8: prevents myread from blocking on empty answers, exceptionally
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:55  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit is the very last one in the Configure script.  It runs all the
```

```
?X: SH files, which among other things produce config.h and (usually) Makefile.
?X: It offers to do a make depend if the Makefile contains that target.
?X:
?MAKE:Finish: Chk_MANI Extract Myread Oldsym Magic_h cat rm contains \
 test package make
?MAKE: -pick add $@ %<
?F:!config.sh
?T:pwd
: Finish up by extracting the .SH files
case "$alldone" in
exit)
?X: They supplied the -E switch
 echo "Stopping at your request, leaving temporary files around."
 exit 0
 ;;
cont)
 ;;
")
 dflt="
 nostick=true
 $cat <<EOM

If you'd like to make any changes to the config.sh
 file before I begin
to configure things, do it as a shell escape now (e.g. !vi config.sh).

EOM
 rp="Press return or use a shell escape to edit config.sh:"
 . UU/myread
 nostick="
 case "$ans" in
 ") ;;
 *) : in case they cannot read
  sh 1>&4 -c "$ans";;
 esac
 ;;
esac

: if this fails, just run all the .SH files by hand
. ./config.sh

?X:
?X: Turn silent mode off from now on (we want a verbose file extraction).
?X: This means we have to explicitly test for '$silent' from now on to
?X: strip off any verbose messages.
?X:
echo " "
exec 1>&4
```

```
pwd=`pwd`
. ./UU/extract
cd "$pwd"

if $contains '^depend:' [Mm]akefile >/dev/null 2>&1; then
 dflt=y
 case "$silent" in
 true) ;;
 *)
  $cat <<EOM

Now you need to generate make dependencies by running "$make depend".
You might prefer to run it in background: "$make depend > makedepend.out &"
It can take a while, so you might not want to run it right now.

EOM
  ;;
 esac
 rp="Run $make depend now?"
 . UU/myread
 case "$ans" in
 y*)
  $make depend
 && echo "Now you must run '$make'."
  ;;
 *)
  echo "You must run '$make depend' then '$make'."
  ;;
 esac
elif test -f [Mm]akefile; then
 echo " "
 echo "Now you must run a $make."
else
 echo "Configure done."
fi

if $test -f Policy.sh; then
   $cat <<EOM

If you compile $package on a different machine or from a different object
directory, copy the Policy.sh file from this object directory to the
new one before you run Configure -- this will help you with most of
the policy defaults.

EOM
fi
if $test -f UU/config.msg; then
   echo "Hmm.  I also noted the following information while running:"
```

```
  echo " "
  $cat UU/config.msg >&4
fi
?X:
?X: kit*isdone files are left over by shell archives built using the makedist
?X: script which comes from dist, while ark*isdone files are left over by
?X: the cshar archive maker.
?X:
$rm -f kit*isdone ark*isdone
$rm -rf UU

: End of Configure
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Finish.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: cc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: cc.U,v $
?RCS: Revision 3.0.1.4  1995/05/12  12:06:47  ram
?RCS: patch54: may now abort Configure when cc does not work
?RCS:
?RCS: Revision 3.0.1.3  1995/01/11  15:20:11  ram
?RCS: patch45: changed gcc checking message to a more explicit one (WED)
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  16:04:29  ram
?RCS: patch36: detect gcc even when not called as 'gcc' (ADO)
?RCS: patch36: simplified gcc version checking (ADO)
?RCS: patch36: added ?F: line for metalint
 file checking
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  14:26:06  ram
?RCS: patch23: added support for gcc version (ADO)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:30  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:cc: Myread Oldconfig Checkcc test
```

```
?MAKE: -pick add $@ %<
?S:cc:
?S: This variable holds the name of a command to execute a C compiler which
?S: can resolve multiple global references that happen to have the same
?S: name.  Usual values are 'cc' and 'gcc'.
?S: Fervent ANSI compilers may be called 'c89'.  AIX has xlc.
?S:.
?F:!cc.cbu
?D:cc='cc'
: Determine the C compiler to be used
echo " "
case "$cc" in
") dflt=cc;;
*) dflt="$cc";;
esac
rp="Use which C compiler?"
. ./myread
cc="$ans"

: See whether they have no cc but they do have gcc
. ./trygcc
?X: Look for a hint-file generated 'call-back-unit'.  Now that the
?X: user has specified the compiler, we may need to set or change some
?X: other defaults.
if $test -f cc.cbu; then
   . ./cc.cbu
fi
. ./checkcc
```

Found
 in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/cc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Myread.U,v $
?RCS: Revision 3.0.1.6  1997/02/28  15:05:39  ram
?RCS: patch61: myread script now starts with a "startsh"
```

```
?RCS: patch61: miscellaneous fixes
?RCS:
?RCS: Revision 3.0.1.5  1995/01/11  15:14:22  ram
?RCS: patch45: added & escape allowing user to turn on -d from the prompt
?RCS:
?RCS: Revision 3.0.1.4  1994/10/31  09:48:04  ram
?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U
?RCS:
?RCS: Revision 3.0.1.3  1994/10/29  15:56:20  ram
?RCS: patch36: added ?F:
 line for metalint file checking
?RCS:
?RCS: Revision 3.0.1.2  1993/08/30  08:57:59  ram
?RCS: patch8: added new visible 'nostick' symbol, mainly for Finish.U
?RCS:
?RCS: Revision 3.0.1.1  1993/08/27  14:39:20  ram
?RCS: patch7: now sticks to the question when no default and empty answer
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:08  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in in order
?X: to do a read.  It allows for shell escapes, default assignment and
?X: parameter evaluation.
?X:
?X: To use this unit, $rp and $dflt must hold the question and the
?X: default answer. The question will be printed by the script itself.
?X: Neither $rp nor $dflt is altered by the script.
?X:
?X: The myread script will stick to the question if no default is proposed
?X: and the user answer is empty, which prevents mistakes. However, at the
?X: end of Configure, there is an exception to this rule (Finish.U) where we
?X: set
 nostick to a non-empty value to allow the Return key to play its role!
?X:
?MAKE:Myread: Options startsh n c trnl
?MAKE: -pick add $@ %<
?V:ans:dflt rp nostick
?F:./myread
?T:COLUMNS xxxm rp dflt answ aok myecho counter
?LINT:change fastread
?X: Some shells (Ultrix) do not understand ${COLUMNS:-80}, sigh!
: compute the number of columns on the terminal for proper question formatting
case "$COLUMNS" in
") COLUMNS='80';;
esac
```

```
: set up the echo used in my read
?X:
?X: This variable is intended to be eval'ed. It will echo the two
?X: variables $rp and $dflt (provided this latter has a non null value).
?X: It is mainly used by the myread script to echo the questions.
?X:
?X: The $n and $c below are substituted before Loc does its silly echo check
?X: so don't put a $ on the echo below so we get builtin, even if $echo is
?X: pointing to /bin/echo.
?X:
myecho="case \"\$xxxm\" in
") echo $n \"\$rp $c\" >&4;;
*) case \"\$rp\" in
 ") echo $n \"[\$xxxm] $c\";;
 *)
  if test \`echo \"\$rp [\$xxxm]
  \" | wc -c\` -ge $COLUMNS; then
   echo \"\$rp\" >&4
   echo $n \"[\$xxxm] $c\" >&4
  else
   echo $n \"\$rp [\$xxxm] $c\" >&4
  fi
  ;;
 esac;;
esac"

: now set up to do reads with possible shell escape and default assignment
cat <<EOSC >myread
$startsh
?X:
?X: Save value of default -- do not alter original in case of eval
?X:
xxxm=\$dflt
$myecho
?X:
?X: If there is no default, then stop, regardless of the value in fastread.
?X: In silent mode, no new-line is to be echoed if the question is empty,
?X: since this is used to wait for the "return" key.
?X:
ans='!'
counter=42
case "\$fastread" in
yes) case "\$dflt" in
 ") ;;
 *) ans=";
  case "\$silent-\$rp" in
  true-) ;;
  *) echo " " >&4;;
```

```
  esac;;
 esac;;
*) case "\$silent" in
 true) case "\$rp" in
  ") ans=";;
  esac;;
 esac;;
esac
while expr "X\$ans" : "X!" >/dev/null; do
 read answ
?X:
?X: Run 'eval' on the answer, in order to do variable substitution, in case
?X: the user types $HOME or $WHATEVER. Variables must be evaluated
 now.
?X: Typing '\$HOME' won't currently prevent from substitution -- use '\\$HOME'
?X: The $1 .. $9 and $*, as well as $@, are available to refer to the
?X: default value.
?X:
 set x \$xxxm
 shift
 aok=''; eval "ans=\\"\$answ\\"" && aok=y
 case  "\$answ" in
?X:
?X: Use "!" and not a plain ! because of a bug in BSD 4.4 shell
?X: (reported by Wayne Davison)
?X: We must handle the shell escapes before dealing with possible variable
?X: substitution, since the shell we're launching in that case will be able
?X: to do it as well as we can -- RAM, 15/03/96
?X
 "!")
  sh 1>&4
  echo " "
  $myecho
  ;;
 !*)
  set x \`expr "X\$ans" : "X!\(.*\)\$"\`
  shift
  sh 1>&4 -c "\$*"
  echo " "
  $myecho
  ;;
 "\$ans")
  case "\$ans" in
?X:
?X: Answers starting with & are hooks allowing to dynamically turn on/off
?X: some Configure options. That's for the future. -- RAM, 09/01/95
?X: Today, we only recognize '& -d' to mean 'go on as if Configure -d, which
?X: is a hardwired behaviour compatible with
```

```
 our general scheme.
?X:
  \\&*)
   set x \`expr "X\$ans" : "X&\(.*\)\$"\`
   shift
   case "\$1" in
   -d)
    fastread=yes
    echo "(OK, I'll run with -d after this question.)" >&4
    ;;
   -*)
    echo "*** Sorry, \$1 not supported yet." >&4
    ;;
   esac
   $myecho
   ans=!
   ;;
  esac;;
 *)
  case "\$aok" in
  y)
   echo "*** Substitution done -- please confirm."
   xxxm="\$ans"
   ans=\`echo $n "\$ans$c" | tr '$trnl' ' '\`
   xxxm="\$ans"
   ans=!
   ;;
  *)
   echo "*** Error -- try again."
   ans=!
   ;;
  esac
  $myecho
  ;;
 esac
?X: Stick in myread if no default answer and nothing was answered
 case "\$ans\$xxxm\$nostick" in
 ")
  ans=!
  $myecho
  ;;
 esac
 counter=\`echo \$counter | awk '{ print --\$0 }'\`
 if [ \$counter = 0 ]; then
  echo >&4
  echo >&4 Too many attempts asking the same question.  Giving up.
  exit 1
 fi
```

```
done
case "\$ans" in
") ans="\$xxxm";;
esac
EOSC
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Myread.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Init.U,v 3.0.1.1 1994/10/31 09:45:59 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Init.U,v $
?RCS: Revision 3.0.1.1  1994/10/31  09:45:59  ram
?RCS: patch44: removed Options from MAKE to prevent Init overrides
?RCS: patch44: option processing now done after Myinit thanks to new Begin.U
?RCS: patch44: moved "Beginning of configuration questions" to Begin.U
?RCS: patch44: moved signal trapping instruction to Begin.U as well
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:02  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This file
 initializes certain default variables used by Configure.  They
?X: may be overridden or added to by definitions in Myinit.U.
?X:
?MAKE:Init eunicefix: Null
?MAKE: -pick add $@ %<
?MAKE: -pick weed $@ ./Init
?S:eunicefix:
?S: When running under Eunice this variable contains a command which will
?S: convert a shell script to the proper form of text file for it to be
?S: executable by the shell.  On other systems it is a no-op.
?S:.
?V:define undef smallmach:rmlist
?X:
?X: Throughout the units, one may make use of $define and $undef to reference
?X: a defined symbol or an undefined one. There is no need to add them in
```

```
?X: the dependency line since this unit makes them visible via ?V:, and
?X: everyone inherits from those symbols since by convention Init.U is the
?X: root dependency.
?X:
?LINT:extern DJGPP
?LINT:extern _exe
?LINT:change _exe
?LINT:extern is_os2
: Detect odd OSs
define='define'
undef='undef'
smallmach='pdp11 i8086 z8000 i80286 iAPX286'
rmlist=''

: We must find out about
 Eunice early
eunicefix=':'
if test -f /etc/unixtovms; then
 eunicefix=/etc/unixtovms
fi
if test -f /etc/unixtovms.exe; then
 eunicefix=/etc/unixtovms.exe
fi

: Set executable suffix now -- needed before hints available
if test -f "/libs/version.library"; then
: Amiga OS
   _exe=""
elif test -f "/system/gnu_library/bin/ar.pm"; then
: Stratus VOS
   _exe=".pm"
elif test -n "$DJGPP"; then
: DOS DJGPP
   _exe=".exe"
elif test -f /kern/cookiejar; then
: MiNT
   _exe=""
elif test -d c:/. -o -n "$is_os2" ; then
: OS/2 or cygwin
   _exe=".exe"
fi
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Init.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: Inhdr.U 1 2006-08-24 12:32:52Z rmanfredi $

```
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Inhdr.U,v $
?RCS: Revision 3.0.1.2  1995/05/12  12:01:31  ram
?RCS: patch54: deleted tabs that caused some /bin/sh to core dump (ADO)
?RCS:
?RCS: Revision 3.0.1.1  1994/10/29  15:55:01  ram
?RCS: patch36: call ./whoa explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:01  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit checks wether a set of header files exists or not.
?X: If the first header is not
 found, the function tries to locate
?X: the next header, and so on, until one is found or there is no
?X: more header in the list.
?X:
?X: To use it, say:
?X: set header i_header [ header2 i_header2 ... ]
?X: eval $inhdr
?X:
?MAKE:Inhdr: test Findhdr Whoa
?MAKE: -pick add $@ %<
?LINT:define inhdr
?V:inhdr
?S:inhdr:
?S: This shell variable is used internally by Configure to check
?S: wether a set of headers exist or not. A typical use is:
?S:  set header i_header [ header2 i_header2 ... ]
?S:  eval $inhdr
?S: That will print a message, saying wether header was found or not
?S: and set i_header* accordingly. If the first header is not found,
?S: we try the next one, until the list is empty or one is found.
?S:.
?T:xxx xxf var td xxnf tu yyy instead was cont
: define an alternate in-header-list? function
inhdr='echo " "; td=$define; tu=$undef; yyy=$@;
cont=true; xxf="echo \"<\$1> found.\" >&4";
case $# in 2) xxnf="echo \"<\$1> NOT found.\" >&4";;
```

```
*) xxnf="echo \"<\$1> NOT found, ...\" >&4";;
esac;
case
 $# in 4) instead=instead;; *) instead="at last";; esac;
while $test "$cont"; do
 xxx=`./findhdr $1`
 var=$2; eval "was=\$$2";
 if $test "$xxx" && $test -r "$xxx";
 then eval $xxf;
?X: Next line shifted left 1 tabstop to avoid sh core dump on MachTen 2.1.1.
 eval "case \"\$$var\" in $undef) . ./whoa; esac"; eval "$var=\$td";
  cont="";
 else eval $xxnf;
?X: Likewise, the next line has been shifted left 1 tabstop -- ADO, 08/03/95
 eval "case \"\$$var\" in $define) . ./whoa; esac"; eval "$var=\$tu"; fi;
 set $yyy; shift; shift; yyy=$@;
 case $# in 0) cont="";;
 2) xxf="echo \"but I found <\$1> $instead.\" >&4";
  xxnf="echo \"and I did not find <\$1> either.\" >&4";;
 *) xxf="echo \"but I found <\$1\> instead.\" >&4";
  xxnf="echo \"there is no <\$1>, ...\" >&4";;
 esac;
done;
?X: Remaining values are set to 'undef'
while $test "$yyy";
do set $yyy; var=$2; eval "was=\$$2";
 eval "case \"\$$var\" in $define) . ./whoa; esac"; eval "$var=\$tu";
 set $yyy; shift; shift; yyy=$@;
done'
```

Found
 in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Inhdr.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: so.U,v $
?RCS: Revision 3.0.1.2  1994/10/29  16:30:04  ram
```

```
?RCS: patch36: now tells user how he can suppress shared lib lookup (ADO)
?RCS: patch36: removed echo at the top, since it's now in the here-doc (ADO)
?RCS:
?RCS: Revision 3.0.1.1  1994/06/20  07:07:02  ram
?RCS: patch30: created
?RCS:
?X:
?X: This unit computes the shared-object / shared-lib extension
?X:
?MAKE:so: test libpth Loc Myread Oldconfig cat
?MAKE: -pick add $@ %<
?S:so:
?S: This variable holds the extension used to identify
 shared libraries
?S: (also known as shared objects) on the system. Usually set to 'so'.
?S:.
?T: xxx
: compute shared library extension
case "$so" in
")
 if xxx=`./loc libc.sl X $libpth`; $test -f "$xxx"; then
  dflt='sl'
 else
  dflt='so'
 fi
 ;;
*) dflt="$so";;
esac
$cat <<EOM

On some systems, shared libraries may be available.  Answer 'none' if
you want to suppress searching of shared libraries for the remainder
of this configuration.

EOM
rp='What is the file extension used for shared libraries?'
. ./myread
so="$ans"

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/dist/U/so.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: Compile.U,v $
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS:
?X:
?X: This unit is just a quick shorthand for the compile command
?X: to be used in all the other metaconfig units.
?X:
?MAKE:Compile: +cc +optimize +ccflags +ldflags +libs test
?MAKE: -pick wipe $@ %<
?LINT:extern usedevel maintloc
?LINT:define compile compile_ok
?V:compile compile_ok mc_file
?S:compile:
?S: This shell variable is used internally by Configure to provide
?S: a convenient shorthand for the typical compile command, namely
?S: $cc $optimize $ccflags $ldflags -o $1 $1.c $libs > /dev/null 2>&1
?S: Note that the output filename does _not_ include the _exe
?S: extension.  Instead we assume that the linker will be
?S: "helpful" and automatically appending the correct suffix.
?S: OS/2
 users will apparently need to supply the -Zexe flag to
?S: get this behavior.
?S:
?S: To use this variable, say something like:
?S:  echo 'int main() { exit(0); }' > try.c
?S:  set try
?S:  if eval $compile; then
?S:   echo "success"   # and do whatever . . .
?S:  else
?S:   echo "failure"   # and do whatever . . .
?S:  fi
?S: To add extra flags cc flags (e.g. -DWHATEVER) just put them
?S: in $*, e.g.
?S:  set try -DTRY_THIS_FLAG
?S:.
?S:compile_ok:
?S: This shell variable is used internally by Configure to provide
?S: a convenient shorthand for the typical compile command that you
?S: expect to work ok.  It is the same as $compile, except we
?S: deliberately let the user see any error messages.
?S:.
: define a shorthand compile call
compile='
mc_file=$1;
shift;
case "$usedevel" in $define|true|[yY]*) if $test ! -f "${mc_file}.c"; then
echo "Internal Configure script bug - compiler test file ${mc_file}.c is missing. Please report this to <$maintloc>"
```

```
>&4;
exit 1;
fi;
esac;
$cc
 -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs > /dev/null 2>&1;'
: define a shorthand compile call for compilations that should be ok.
compile_ok='
mc_file=$1;
shift;
$cc -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs > /dev/null 2>&1;'
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/Compile.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Thomas Neumann <tom@smart.bo.open.de>
?RCS:
?RCS: $Log: Findhdr.U,v $
?RCS: Revision 3.0.1.2  1994/10/29  15:53:08  ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  14:03:56  ram
?RCS: patch23: cppminus must be after other cppflags, not before
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:54  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a findhdr script which is used to locate the header
?X: files
 in $usrinc or other stranger places using cpp capabilities. The
?X: script is given an include file base name, like 'stdio.h' or 'sys/file.h'
?X: and it returns the full path of the include file and a zero status or an
?X: empty string with an error status if the file could not be located.
?X:
?MAKE:Findhdr: grep test tr rm +usrinc awk cat startsh \
```

```
 cppstdin cppminus +cppflags eunicefix osname
?MAKE: -pick add $@ %<
?LINT:define fieldn
?S:fieldn:
?S: This variable is used internally by Configure. It contains the position
?S: of the included file name in cpp output. That is to say, when cpp
?S: pre-processes a #include <file> line, it replaces it by a # line which
?S: contains the original position in the input file and the full name of
?S: included file, between "quotes".
?S:.
?V:fieldn
?F:./findhdr !fieldn
?T:cline pos wanted name awkprg cppfilter testaccess status usrincdir
: determine filename position in cpp output
echo " "
echo "Computing filename position in cpp output for #include
 directives..." >&4
echo '#include <stdio.h>' > foo.c
case "$osname" in
vos)
 testaccess=-e
?X: VOS: path component separator is >
 cppfilter="tr '\\\\>' '/' |"
 ;;
*)
 testaccess=-r
 cppfilter="
 ;;
esac
$cat >fieldn <<EOF
$startsh
$cppstdin $cppflags $cppminus <foo.c 2>/dev/null | \
$grep '^[  ]*#.*stdio\.h' | \
while read cline; do
 pos=1
 set \$cline
 while $test \$# -gt 0; do
  if $test $testaccess \`echo \$1 | $tr -d '"'\`; then
   echo "\$pos"
   exit 0
  fi
  shift
  pos=\`expr \$pos + 1\`
 done
done
EOF
chmod +x fieldn
fieldn=`./fieldn`
```

```
$rm -f foo.c fieldn
case $fieldn in
") pos='???';;
1) pos=first;;
2) pos=second;;
3) pos=third;;
*) pos="${fieldn}th";;
esac
echo "Your cpp writes the filename in the $pos field of the line."

?X: To locate a header file, we cannot simply check for $usrinc/file.h, since
?X: some machine have the headers in weird places and our only hope is that
?X: the C pre-processor will know how to find those headers. Thank you NexT!
: locate header file
$cat
 >findhdr <<EOF
$startsh
wanted=\$1
name=''
for usrincdir in $usrinc; do
 if test -f \$usrincdir/\$wanted; then
  echo "\$usrincdir/\$wanted"
  exit 0
 fi
done
awkprg='{ print \$$fieldn }'
echo "#include <\$wanted>" > foo\$\$.c
$cppstdin $cppminus $cppflags < foo\$\$.c 2>/dev/null | \
$cppfilter $grep "^[  ]*#.*\$wanted" | \
while read cline; do
 name=\`echo \$cline | $awk "\$awkprg" | $tr -d '"'\`
 case "\$name" in
 *[/\\\]\$wanted) echo "\$name"; exit 1;;
 *[\\\/]\$wanted) echo "\$name"; exit 1;;
 *) exit 2;;
 esac
done
?X: status = 0: grep returned 0 lines, case statement not executed
?X: status = 1: headerfile found
?X: status = 2: while loop executed, no headerfile found
status=\$?
$rm -f foo\$\$.c
if test \$status -eq 1; then
 exit 0
fi
exit 1
EOF
chmod +x findhdr
```

```
$eunicefix findhdr

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Findhdr.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: sitescript.U,v $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: sitescript.U,v $
?RCS:
?MAKE:sitescript sitescriptexp installsitescript : Getfile Oldconfig test \
 Setprefixvar sitebin siteprefix
?MAKE: -pick add $@ %<
?Y:TOP
?D:sitescript="
?S:sitescript:
?S: This variable holds the name of the directory in which the user wants
?S: to put add-on publicly executable files for the package in question.  It
?S: is most often a local directory such as /usr/local/bin. Programs using
?S: this variable must be prepared to deal with ~name substitution.
?S: The standard
 distribution will put nothing in this directory.
?S: After perl has been installed, users may install their own local
?S: scripts in this directory with
?S:  MakeMaker Makefile.PL
?S: or equivalent.  See INSTALL for details.
?S:.
?D:sitescriptexp="
?S:sitescriptexp:
?S: This is the same as the sitescript variable, but is filename expanded at
?S: configuration time, for use in your makefiles.
?S:.
?D:installsitescript="
?S:installsitescript:
?S: This variable is usually the same as sitescriptexp, unless you are on
?S: a system running AFS, in which case they may differ slightly. You
?S: should always use this variable within your makefiles for portability.
?S:.
?LINT:change prefixvar
```

```
?LINT:set installsitescript
?LINT:set sitescript
?LINT:set sitescriptexp
: determine where add-on public executable scripts go
case "$sitescript" in
") dflt=$siteprefix/script
 $test -d $dflt || dflt=$sitebin ;;
*)  dflt="$sitescript" ;;
esac
fn=d~+
rp='Pathname where add-on public executable scripts
 should be installed?'
. ./getfile
prefixvar=sitescript
. ./setprefixvar
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/sitescript.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Inlibc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Inlibc.U,v $
?RCS: Revision 3.0.1.1  1994/10/29  15:55:08  ram
?RCS: patch36: call ./whoa explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:03  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit checks for the definition of a given function.
?X:
?X: To use it, say:
?X: set function d_func
?X: eval $inlibc
?X:
?MAKE:Inlibc: Csym Whoa Oldconfig
?MAKE: -pick add $@ %<
?LINT:define inlibc
```

```
?V:inlibc
?S:inlibc:
?S: This
 shell variable is used internally by Configure to check
?S: wether a given function is defined or not. A typical use is:
?S:  set function d_func
?S:  eval $inlibc
?S: That will print a message, saying wether function was found or
?S: not and set d_func accordingly.
?S:.
?T:was tx sym tres td tu var
: define an is-in-libc? function
inlibc='echo " "; td=$define; tu=$undef;
sym=$1; var=$2; eval "was=\$$2";
tx=yes;
case "$reuseval$was" in
true) ;;
true*) tx=no;;
esac;
case "$tx" in
yes)
 set $sym tres -f;
 eval $csym;
 case "$tres" in
 true)
  echo "$sym() found." >&4;
  case "$was" in $undef) . ./whoa; esac; eval "$var=\$td";;
 *)
  echo "$sym() NOT found." >&4;
  case "$was" in $define) . ./whoa; esac; eval "$var=\$tu";;
 esac;;
*)
 case "$was" in
 $define) echo "$sym() found." >&4;;
 *) echo "$sym() NOT found." >&4;;
 esac;;
esac'
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Inlibc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorprefix.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: vendorprefix.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:usevendorprefix vendorprefix vendorprefixexp +oldvendorprefix: \
 Getfile Loc Oldconfig cat prefix Myread
?MAKE: -pick add $@ %<
?S:usevendorprefix:
?S: This variable tells whether the vendorprefix
?S: and consequently other vendor* paths are in use.
?S:.
?S:vendorprefix:
?S: This variable holds the full absolute path of the directory below
?S: which
 the vendor will install add-on packages.
?S: See INSTALL for usage and examples.
?S:.
?S:vendorprefixexp:
?S: This variable holds the full absolute path of the directory below
?S: which the vendor will install add-on packages.  Derived from vendorprefix.
?S:.
?S:oldvendorprefix:
?S: This variable is set non-null if the vendorprefix was previously defined
?S: and gets set to a new value. Used internally by Configure only.
?S:.
: Set the vendorprefix variables
$cat <<EOM

The installation process will also create a directory for
vendor-supplied add-ons.  Vendors who supply perl with their system
may find it convenient to place all vendor-supplied files in this
directory rather than in the main distribution directory.  This will
ease upgrades between binary-compatible maintenance versions of perl.

Of course you may also use these directories in whatever way you see
fit.  For example, you might use them to access modules shared over a
company-wide network.

The default answer should be
 fine for most people.
This causes further questions about vendor add-ons to be skipped
and no vendor-specific directories will be configured for perl.
```

```
EOM
rp='Do you want to configure vendor-specific add-on directories?'
case "$usevendorprefix" in
define|true|[yY]*) dflt=y ;;
*) : User may have set vendorprefix directly on Configure command line.
 case "$vendorprefix" in
 "|' ') dflt=n ;;
 *) dflt=y ;;
 esac
 ;;
esac
. ./myread
case "$ans" in
[yY]*) fn=d~+
 rp='Installation prefix to use for vendor-supplied add-ons?'
 case "$vendorprefix" in
 ") dflt="$prefix" ;;
 *)  dflt=$vendorprefix ;;
 esac
 . ./getfile
 : XXX Prefixit unit does not yet support siteprefix and vendorprefix
 oldvendorprefix="
 case "$vendorprefix" in
 ") ;;
 *) case "$ans" in
  "$prefix") ;;
  *) oldvendorprefix="$prefix";;
  esac
  ;;
 esac
 usevendorprefix="$define"
 vendorprefix="$ans"
 vendorprefixexp="$ansexp"
 ;;
*) usevendorprefix="$undef"
 vendorprefix="
 vendorprefixexp="
 ;;
esac
```

Found in path(s):
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorprefix.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: spitshell.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: spitshell.U,v $
?RCS: Revision 3.0.1.4  1997/02/28  16:22:12  ram
?RCS: patch61: removed useless chatter as this is now done very early
?RCS:
?RCS: Revision 3.0.1.3  1995/01/11  15:37:01  ram
?RCS: patch45: use 'test -f' instead of 'test -r' for exec-only cat progs (WED)
?RCS: patch45: protected "sh -c" within backquotes for Linux and SGI
?RCS:
?RCS: Revision 3.0.1.2  1994/08/29  16:33:00  ram
?RCS: patch32: don't create spitshell under the UU directory
?RCS:
 patch32: allow for cat in /bin or /usr/bin
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:12:58  ram
?RCS: patch10: made #!-failure message more friendly (WAD)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:49  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:spitshell shsharp sharpbang: eunicefix sh Head
?MAKE: -pick add $@ %<
?S:spitshell:
?S: This variable contains the command necessary to spit out a runnable
?S: shell on this system.  It is either cat or a grep -v for # comments.
?S:.
?S:shsharp:
?S: This variable tells further Configure units whether your sh can
?S: handle # comments.
?S:.
?S:sharpbang:
?S: This variable contains the string #! if this system supports that
?S: construct.
?S:.
?F:!sharp
?T:xcat p
?X: "paths" comes from Head
?LINT:extern paths _exe
: see if sh knows # comments
?X: This is loaded up early, so avoid being chatty.
?X: echo " "
```

```
?X: echo "Checking your $sh to see if it knows about # comments..." >&2
if `$sh -c '#' >/dev/null 2>&1`; then
?X: echo
 "Your $sh handles # comments correctly."
 shsharp=true
 spitshell=cat
?X: echo " "
?X: echo "Okay, let's see if #! works on this system..."
 xcat=/bin/cat
 test -f $xcat$_exe || xcat=/usr/bin/cat
 if test ! -f $xcat$_exe; then
  for p in `echo $PATH | sed -e "s/$p_/ /g"` $paths; do
   if test -f $p/cat$_exe; then
    xcat=$p/cat
    break
   fi
  done
  if test ! -f $xcat$_exe; then
   echo "Can't find cat anywhere!"
   exit 1
  fi
 fi
 echo "#!$xcat" >sharp
 $eunicefix sharp
 chmod +x sharp
 ./sharp > today 2>/dev/null
 if test -s today; then
?X:  echo "It does."
  sharpbang='#!'
 else
  echo "#! $xcat" > sharp
  $eunicefix sharp
  chmod +x sharp
  ./sharp > today 2>/dev/null
  if test -s today; then
?X:   echo "It does."
   sharpbang='#! '
  else
?X:   echo "Okay, let's see if #! works on this system..."
?X:   echo "It's just a comment."
   sharpbang=': use '
  fi
 fi
else
 echo " "
 echo "Your $sh doesn't grok # comments--I will strip them later on."
 shsharp=false
?X: The
```

```
 spitshell script will be perused, so leave it out the UU directory
 cd ..
 echo "exec grep -v '^[  ]*#'" >spitshell
 chmod +x spitshell
 $eunicefix spitshell
 spitshell=`pwd`/spitshell
 cd UU
 echo "I presume that if # doesn't work, #! won't work either!"
 sharpbang=': use '
fi
rm -f sharp today
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/spitshell.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Instruct.U,v 3.0.1.3 1997/02/28 15:02:55 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Instruct.U,v $
?RCS: Revision 3.0.1.3  1997/02/28  15:02:55  ram
?RCS: patch61: logname / whoami sequence rewritten to use case
?RCS:
?RCS: Revision 3.0.1.2  1995/02/15  14:11:34  ram
?RCS: patch51: author name now appears at the end of the paragraph (WED)
?RCS:
?RCS: Revision 3.0.1.1  1995/01/11  15:12:05  ram
?RCS: patch45: now documents the & escape to turn -d on at the read prompt
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:04  ram
?RCS: Baseline for
 dist 3.0 netwide release.
?RCS:
?X:
?X: This unit spew out the directions that we want everyone to read.  I try to
?X: keep the first "pagefull" much less than a page since they don't know it
?X: isn't going to go shooting off the top of the screen, and we don't want
?X: to panic them yet.
?X:
?MAKE:Instruct: Myread Configdir Devel contains
```

```
?MAKE: -pick wipe $@ %<
?T:user needman firsttime
: general instructions
needman=true
firsttime=true
user=`(logname) 2>/dev/null`
case "$user" in
") user=`whoami 2>&1`;;
esac
if $contains "^$user\$" ../.config/instruct >/dev/null 2>&1; then
 firsttime=false
 echo " "
 rp='Would you like to see the instructions?'
 dflt=n
 . ./myread
 case "$ans" in
 [yY]*) ;;
 *) needman=false;;
 esac
fi
if $needman; then
 cat <<EOH

This installation shell script will examine your system and ask you questions
to determine how the <PACKAGENAME> package should be installed. If you get
stuck on a question, you may use a ! shell escape to start a subshell or
execute a
 command.  Many of the questions will have default answers in square
brackets; typing carriage return will give you the default.

On some of the questions which ask for file or directory names you are allowed
to use the ~name construct to specify the login directory belonging to "name",
even if you don't have a shell which knows about that.  Questions where this is
allowed will be marked "(~name ok)".

EOH
 rp="
 dflt='Type carriage return to continue'
 . ./myread
 cat <<'EOH'

The prompter used in this script allows you to use shell variables and
backticks in your answers.  You may use $1, $2, etc...  to refer to the words
in the default answer, as if the default line was a set of arguments given to a
script shell.  This means you may also use $* to repeat the whole default line,
so you do not have to re-type everything to add something to the default.

Every time there is a substitution, you will have to confirm.  If there is an
```

```
error (e.g. an unmatched backtick), the default answer
 will remain unchanged
and you will be prompted again.

If you are in a hurry, you may run 'Configure -d'.  This will bypass nearly all
the questions and use the computed defaults (or the previous answers if there
was already a config.sh file). Type 'Configure -h' for a list of options.
You may also start interactively and then answer '& -d' at any prompt to turn
on the non-interactive behaviour for the remainder of the execution.

EOH
 . ./myread
 cat <<EOH

Much effort has been expended to ensure that this shell script will run on any
Unix system.  If despite that it blows up on yours, your best bet is to edit
Configure and run it again.  If you can't run Configure for some reason,
you'll have to generate a config.sh file by hand.  Whatever problems you
have, let me (<MAINTLOC>) know how I blew it.

This installation script affects things in two ways:

1) it may do direct variable substitutions on some of the files included
  in this kit.
2) it builds a config.h file for inclusion in
 C programs.  You may edit
  any of these files as the need arises after running this script.

If you make a mistake on a question, there is no easy way to back up to it
currently.  The easiest thing to do is to edit config.sh and rerun all the SH
files.  Configure will offer to let you do this before it runs the SH files.

EOH
?X: In case they played with the prompter...
 dflt='Type carriage return to continue'
 . ./myread
 case "$firsttime" in
 true) echo $user >>../.config/instruct;;
 esac
fi

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/U/modified/Instruct.U
No license file was found, but licenses were detected in source scan.

?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS:     You may distribute under the terms of either the GNU General Public
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_portable.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/a_dvisory/multiarch.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/archlib.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/perlpath.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/privlib.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/startperl.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Setprefixvar.U,v 3.0 2006/04/01 17:25:29 hmbrand $
?RCS:
?RCS: Copyright (c) 2006-2006, H.Merijn Brand & Nicholas Clark
?RCS:
?RCS: This file is included with or a derivative work of a file included
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.
?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS:
?RCS:   You may distribute under the terms of either the GNU General Public
?RCS:   License or the Artistic License, as specified in the README file.
?RCS:
?X:
?X: This unit sets up the scripts installprefix and setprefixvar, so code
?X: in other parts can be more simple and maintainable
?X:
?MAKE:Setprefixvar: Myread Getfile startsh eunicefix test \
 prefix prefixexp installprefix installprefixexp
?MAKE: -pick add $@ %<
?LINT:extern prefixvar
?X: metalint still sees "`\$${prefixvar}exp`" as variable :(
?T:prefixvarexp
?F:./setprefixvar
?F:./installprefix
: Perform
 the prefixexp/installprefixexp correction if necessary
cat <<EOS >installprefix
$startsh
EOS
cat <<'EOSC' >>installprefix
: Change installation prefix, if necessary.
if $test X"$prefix" != X"$installprefix"; then
   eval "install${prefixvar}=\`echo \$${prefixvar}exp | sed \"s#^\$prefixexp#\$installprefixexp#\"\`"
```

```
else
   eval "install${prefixvar}=\"\$${prefixvar}exp\""
fi
EOSC
chmod +x installprefix
$eunicefix installprefix

: Set variables such as privlib and privlibexp from the output of ./getfile
: performing the prefixexp/installprefixexp correction if necessary.
cat <<EOS >setprefixvar
$startsh
EOS
cat <<'EOSC' >>setprefixvar
eval "${prefixvar}=\"\$ans\""
eval "${prefixvar}exp=\"\$ansexp\""
. ./installprefix
EOSC
chmod +x setprefixvar
$eunicefix setprefixvar
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/Setprefixvar.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Hasproto.U $
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?X: This unit generates a $hasproto string that is used internally
?X: by Configure to check if this system has a prototype for a
?X: particular function
?X:
?X: To use it, say something like:
?X:  set d_getnetent_proto getnetent $i_netdb netdb.h
?X:  eval $hasproto
?X: Or, for more complicated sets of headers, do something like
?X: hdrs="$define sys/types.h
?X:  $i_systime sys/time.h
?X:  $i_sysselct sys/select.h
?X:  $i_netdb netdb.h"
?X: set d_getnetent_proto getnetent $hdrs
?X: eval $hasproto
?X:
?X: There is also an 'escape' hatch built in.  If you have a pair
```

```
?X: of args   'literal 'stuff' then 'stuff' gets included literally
?X: into the test program.  See Protochk.U for more details.
?X:
?MAKE:Hasproto:
 Setvar cppstdin cppflags cppminus contains rm_try test
?MAKE: -pick add $@ %<
?T:func varname
?F:!try.c
?V:hasproto
: Define hasproto macro for Configure internal use
hasproto='varname=$1; func=$2; shift; shift;
while $test $# -ge 2; do
 case "$1" in
 $define) echo "#include <$2>";;
 literal) echo "$2" ;;
 esac ;
   shift 2;
done > try.c;
$cppstdin $cppflags $cppminus < try.c > tryout.c 2>/dev/null;
if $contains "$func.*(" tryout.c >/dev/null 2>&1; then
 echo "$func() prototype found.";
 val="$define";
else
 echo "$func() prototype NOT found.";
 val="$undef";
fi;
set $varname;
eval $setvar;
$rm_try tryout.c'
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/protos/Hasproto.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: orderlib.U,v $
?RCS: Revision 3.0.1.4  1997/02/28  16:18:18  ram
?RCS: patch61: replaced .a with $_a all over the place
```

```
?RCS: patch61: likewise for .o replaced by $_o
?RCS: patch61: now uses the ar located by Loc.U
?RCS:
?RCS: Revision 3.0.1.3  1995/01/11  15:33:04  ram
?RCS: patch45: allows hint files to specify their own value for 'ranlib'
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  16:26:48  ram
?RCS: patch36: now performs a real small compile for accurate checks (ADO)
?RCS:
?RCS: Revision 3.0.1.1
  1994/08/29  16:31:17  ram
?RCS: patch32: use cc variable instead of hardwired 'cc' in 1st compile
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:26  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:orderlib ranlib: Loc ar cat test rm +cc +ccflags +ldflags +libs _a _o
?MAKE: -pick add $@ %<
?S:orderlib:
?S: This variable is "true" if the components of libraries must be ordered
?S: (with `lorder $* | tsort`) before placing them in an archive.  Set to
?S: "false" if ranlib or ar can generate random libraries.
?S:.
?S:ranlib:
?S: This variable is set to the pathname of the ranlib program, if it is
?S: needed to generate random libraries.  Set to ":" if ar can generate
?S: random libraries or if random libraries are not supported
?S:.
?F:!foobar
: see if ar generates random libraries by itself
echo " "
echo "Checking how to generate random libraries on your machine..." >&4
?X: Some systems (like MIPS) complain when running ar... Others like Ultrix
?X: need an explicit 'ar ts'
 to add the table of contents.
?X: Still others like Linux run ar ts successfully, but still need ranlib.
?X: This set of tests seems the minimum necessary to check out Linux.
?X: We need to explicitly put the entries in out-of-order so that Sun's ld
?X: will fail.  (Otherwise it complains, but gives an exit status of 0.)
echo 'int bar1() { return bar2(); }' > bar1.c
echo 'int bar2() { return 2; }' > bar2.c
$cat > foo.c <<'EOP'
int main() { printf("%d\n", bar1()); exit(0); }
EOP
$cc $ccflags -c bar1.c >/dev/null 2>&1
$cc $ccflags -c bar2.c >/dev/null 2>&1
$cc $ccflags -c foo.c >/dev/null 2>&1
$ar rc bar$_a bar2$_o bar1$_o >/dev/null 2>&1
```

```
if $cc $ccflags $ldflags -o foobar foo$_o bar$_a $libs > /dev/null 2>&1 &&
 ./foobar >/dev/null 2>&1; then
 echo "ar appears to generate random libraries itself."
 orderlib=false
 ranlib=":"
elif $ar ts bar$_a >/dev/null 2>&1 &&
 $cc $ccflags $ldflags -o foobar foo$_o bar$_a $libs > /dev/null 2>&1 &&
 ./foobar >/dev/null 2>&1; then
  echo "a table of contents
 needs to be added with 'ar ts'."
  orderlib=false
  ranlib="$ar ts"
else
?X: Allow hints to specify their own ranlib "script". For instance, on
?X: some NeXT machines, the timestamp put by ranlib is not correct, and this
?X: may raise tedious recompiles for nothing. Therefore, NeXT may add the
?X: ranlib='sleep 5; /bin/ranlib' line in their hints to "fix" that.
?X: (reported by Andreas Koenig <k@franz.ww.tu-berlin.de>)
 case "$ranlib" in
 :) ranlib=";;
 ")
  ranlib=`./loc ranlib X /usr/bin /bin /usr/local/bin`
  $test -f $ranlib || ranlib="
  ;;
 esac
 if $test -n "$ranlib"; then
  echo "your system has '$ranlib'; we'll use that."
  orderlib=false
 else
  echo "your system doesn't seem to support random libraries"
  echo "so we'll use lorder and tsort to order the libraries."
  orderlib=true
  ranlib=":"
 fi
fi
$rm -f foo* bar*
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/orderlib.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: man3dir.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:10:34  ram
?RCS: patch61: created
?RCS:
?X:
?X: This was originally specific to perl5.  Since perl5 has man pages that
?X: go in both man1/ and man3/ directories, we need both man1dir
?X: and man3dir.  This unit is basically dist's mansrc.U with
?X: man3 used instead of man everywhere.
?X: I then added various tests because perl5 has *lots* of man3
?X: pages with long file names. -- ADO
?X:
?MAKE:man3dir
 man3direxp man3ext installman3dir: afs cat nroff Loc Oldconfig \
 sed man1dir spackage package Getfile prefix Prefixit Prefixup \
 d_flexfnam privlib Myread
?MAKE: -pick add $@ %<
?Y:TOP
?S:man3dir:
?S: This variable contains the name of the directory in which manual
?S: source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?S:man3direxp:
?S: This variable is the same as the man3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?S:installman3dir:
?S: This variable is really the same as man3direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man3direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:man3ext:
?S: This variable contains the extension that the manual
 page should
?S: have: one of 'n', 'l', or '3'.  The Makefile must supply the '.'.
?S: See man3dir.
?S:.
: determine where library module manual pages go
set man3dir man3dir none
eval $prefixit
```

```
$cat <<EOM

$spackage has manual pages for many of the library modules.
EOM

case "$nroff" in
nroff)
 $cat <<'EOM'
However, you don't have nroff, so they're probably useless to you.
EOM
 case "$man3dir" in
 ") man3dir="none";;
 esac;;
esac

case "$d_flexfnam" in
undef)
 $cat <<'EOM'
However, your system can't handle the long file names like File::Basename.3.
EOM
 case "$man3dir" in
 ") man3dir="none";;
 esac;;
esac

echo "If you don't want the manual sources installed, answer 'none'."
?X: We dont use /usr/local/man/man3 because some man programs will
?X: only show the /usr/local/man/man3 contents, and not the system ones,
?X: thus man less will show the perl module less.pm, but not the system
?X: less command.  We might also conflict with TCL man pages.
?X: However, something like /opt/perl/man/man3
 is fine.
case "$man3dir" in
") case "$prefix" in
 *$package*) dflt=`echo $man1dir |
   $sed -e 's/man1/man3/g' -e 's/man\.1/man\.3/g'` ;;
 *) dflt="$privlib/man/man3" ;;
 esac
 ;;
' ') dflt=none;;
*) dflt="$man3dir" ;;
esac
echo " "

fn=dn+~
rp="Where do the $package library man pages (source) go?"
. ./getfile
if test "X$man3direxp" != "X$ansexp"; then
```

```
 installman3dir="
fi

man3dir="$ans"
man3direxp="$ansexp"
case "$man3dir" in
") man3dir=' '
 installman3dir=";;
esac
if $afs; then
 $cat <<EOM

Since you are running AFS, I need to distinguish the directory in which
manual pages reside from the directory in which they are installed (and from
which they are presumably copied to the former directory by occult means).

EOM
 case "$installman3dir" in
 ") dflt=`echo $man3direxp | sed 's#^/afs/#/afs/.#'`;;
 *) dflt="$installman3dir";;
 esac
 fn=de~
 rp='Where will man pages be installed?'
 . ./getfile
 installman3dir="$ans"
else
 installman3dir="$man3direxp"
fi

: What suffix
 to use on installed man pages

case "$man3dir" in
' ')
 man3ext='0'
 ;;
*)
 rp="What suffix should be used for the $package library man pages?"
 case "$man3ext" in
 ") case "$man3dir" in
  *3)  dflt=3 ;;
  *3p) dflt=3p ;;
  *3pm) dflt=3pm ;;
  *l) dflt=l;;
  *n) dflt=n;;
  *o) dflt=o;;
  *p) dflt=p;;
  *C) dflt=C;;
```

```
  *L) dflt=L;;
  *L3) dflt=L3;;
  *) dflt=3;;
  esac
  ;;
 *) dflt="$man3ext";;
 esac
 . ./myread
 man3ext="$ans"
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/man3dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: n.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: n.U,v $
?RCS: Revision 3.0  1993/08/18  12:09:19  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:n c: contains
?MAKE: -pick add $@ %<
?S:n:
?S: This variable contains the -n flag if that is what causes the echo
?S: command to suppress newline.  Otherwise it is null.  Correct usage is
?S:     $echo $n "prompt for a question: $c".
?S:.
?S:c:
?S: This variable contains the \c string if that is what causes the echo
?S: command to suppress newline.
  Otherwise it is null.  Correct usage is
?S:     $echo $n "prompt for a question: $c".
?S:.
: first determine how to suppress newline on echo command
echo " "
echo "Checking echo to see how to suppress newlines..."
(echo "hi there\c" ; echo " ") >.echotmp
```

```
if $contains c .echotmp >/dev/null 2>&1 ; then
 echo "...using -n."
 n='-n'
 c=''
else
 cat <<'EOM'
...using \c
EOM
 n=''
 c='\c'
fi
echo $n "The star should be here-->$c"
echo '*'
rm -f .echotmp
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/n.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: so.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: so.U,v $
?RCS: Revision 3.0.1.2  1994/10/29  16:30:04  ram
?RCS: patch36: now tells user how he can suppress shared lib lookup (ADO)
?RCS: patch36: removed echo at the top, since it's now in the here-doc (ADO)
?RCS:
?RCS: Revision 3.0.1.1  1994/06/20  07:07:02  ram
?RCS: patch30: created
?RCS:
?X:
?X: This unit computes the shared-object / shared-lib extension
?X:
?MAKE:so d_libname_unique: test libpth Loc Myread Oldconfig cat Setvar
?MAKE: -pick add $@ %<
?S:so:
?S: This
 variable holds the extension used to identify shared libraries
?S: (also known as shared objects) on the system. Usually set to 'so'.
?S:.
```

```
?S:d_libname_unique:
?S: This variable is defined if the target system insists on unique
?S: basenames for shared library files. This is currently true on Android,
?S: false everywhere else we know of.
?S: Defaults to 'undef'.
?S:.
?LINT:set d_libname_unique
?T: xxx
: compute shared library extension
case "$so" in
")
 if xxx=`./loc libc.sl X $libpth`; $test -f "$xxx"; then
  dflt='sl'
 else
  dflt='so'
 fi
 ;;
*) dflt="$so";;
esac
$cat <<EOM

On some systems, shared libraries may be available.  Answer 'none' if
you want to suppress searching of shared libraries for the remainder
of this configuration.

EOM
rp='What is the file extension used for shared libraries?'
. ./myread
so="$ans"

: Does target system insist that shared library basenames are unique
$cat << EOM

Some dynamic loaders assume that the *basename* of shared library
 filenames
are globally unique.  We'll default this to undef as we assume your system
is not this weird. Set to defined if you're on one of them.

EOM

dflt='n'
rp='Make shared library basenames unique?'
. ./myread
case "$ans" in
y|Y) val="$define" ;;
*)   val="$undef"  ;;
esac
set d_libname_unique
```

```
eval $setvar
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/so.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: Original author Jarkko Hietaniemi <jhi@iki.fi>
?RCS: Merged into dist by Andy Dougherty  July 13, 1998
?RCS:
?MAKE:trnl: Nothing
?MAKE: -pick add $@ %<
?S:trnl:
?S: This variable contains the value to be passed to the tr(1)
?S: command to transliterate a newline.  Typical values are
?S: '\012' and '\n'.  This is needed for EBCDIC systems where
?S: newline is not necessarily '\012'.
?S:.
?T: DJGPP
: Find the appropriate value for a newline for tr
?X: We can't
 use $tr since that would cause a circular dependency via Myread
?X: dos djgpp uses '\015\012', but reportedly is happy with '\012' in the
?X: tr command.  I don't know why it passes the '\n' test but later
?X: refuses to work correctly with it.  --AD  6/14/98
if test -n "$DJGPP"; then
     trnl='\012'
fi
if test X"$trnl" = X; then
 case "`echo foo | tr '\n' x 2>/dev/null`" in
 foox) trnl='\n' ;;
 esac
fi
if test X"$trnl" = X; then
 case "`echo foo | tr '\012' x 2>/dev/null`" in
 foox) trnl='\012' ;;
```

```
 esac
fi
if test X"$trnl" = X; then
	case "`echo foo | tr '\r\n' xy 2>/dev/null`" in
	fooxy) trnl='\n\r' ;;
	esac
fi
if test X"$trnl" = X; then
 cat <<EOM >&2

$me: Fatal Error: cannot figure out how to translate newlines with 'tr'.

EOM
 exit 1
fi
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/trnl.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: baserev.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: baserev.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:24  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:baserev: Null
?MAKE: -pick wipe $@ %<
?S:baserev:
?S: The base revision level of this package, from the .package file.
?S:.
: set the base revision
baserev=<BASEREV>
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/baserev.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: manfmt.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: manfmt.U,v $
?RCS: Revision 3.0.1.5  1997/02/28  16:11:57  ram
?RCS: patch61: don't ask for AFS when they choose to not install pages
?RCS:
?RCS: Revision 3.0.1.4  1995/09/25  09:16:52  ram
?RCS: patch59: unit is now forced to the top of Configure, if possible
?RCS:
?RCS: Revision 3.0.1.3  1995/01/30  14:39:20  ram
?RCS: patch49: new installmanfmt and AFS-lookup for formatted man pages
?RCS: patch49: can now handle installation prefix changes (from WED)
?RCS:
?RCS:
 Revision 3.0.1.2  1994/08/29  16:30:31  ram
?RCS: patch32: now uses installation prefix for default setting
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:09:22  ram
?RCS: patch10: allows for L1 man page extension (WAD)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:13  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:manfmt manfmtexp installmanfmt: Getfile Loc Oldconfig cat manext \
 spackage Prefixit prefixexp Prefixup afs test
?MAKE: -pick add $@ %<
?Y:TOP
?S:manfmt:
?S: This variable contains the name of the directory in which formatted
?S: manual pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command. Note
?S: that you may have to do ~name substitution. Use manfmtexp otherwise.
?S:.
?S:manfmtexp:
?S: This is the same as the manfmt variable, but is filename expanded
?S: at configuration time, for programs not willing to deal with it at
?S: run-time.
?S:.
?S:installmanfmt:
?S: This variable is really
```

```
 the same as manfmtexp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: mansrcexp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change manext
?T:lookpath
: determine where manual pages go
set manfmt manfmt
eval $prefixit
$cat <<EOM

$spackage has pre-formatted manual pages.  If you don't want these installed,
answer 'none' to the next question.

EOM
case "$manfmt" in
")
 lookpath="$prefixexp/catman/man1 $prefixexp/man/cat1"
 lookpath="$lookpath $prefixexp/catman/u_man/man1"
 lookpath="$lookpath $prefixexp/catman/l_man/man1"
 lookpath="$lookpath $prefixexp/catman/cat1 /usr/catman/local/man1"
 lookpath="$lookpath /usr/catman/manl /usr/man/cat1"
 lookpath="$lookpath /usr/catman/mann /usr/catman/l_man/man1"
 lookpath="$lookpath /usr/catman/u_man/man1 /usr/catman/man1"
 dflt=`./loc . none $lookpath`
 set dflt
 eval $prefixup
 ;;
*)  dflt="$manfmt"
 ;;
esac
fn=dn~
rp='Where
 do pre-formatted manual pages go?'
. ./getfile
if test "X$manfmtexp" != "X$ansexp"; then
 installmanfmt="
fi
manfmt="$ans"
manfmtexp="$ansexp"
if $afs && $test "$manfmt"; then
 $cat <<EOM

Since you are running AFS, I need to distinguish the directory in which
manual pages reside from the directory in which they are installed (and from
which they are presumably copied to the former directory by occult means).
```

```
EOM
 case "$installmanfmt" in
 ") dflt=`echo $manfmtexp | sed 's#^/afs/#/afs/.#'`;;
 *) dflt="$installmanfmt";;
 esac
 fn=de~
 rp='Where will pre-formatted man pages be installed?'
 . ./getfile
 installmanfmt="$ans"
else
 installmanfmt="$manfmtexp"
fi

case "$manfmt" in
") manext='0';;
*l) manext=l;;
*n) manext=n;;
*o) manext=l;;
*p) manext=n;;
*C) manext=C;;
*L) manext=L;;
*L1) manext=L1;;
*) manext=1;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/manfmt.U
No license file was found, but licenses were detected in source scan.

```
/*
* $Id: setsid.C,v 3.0.1.1 1994/01/24 13:58:47 ram Exp ram $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* $Log: setsid.C,v $
* Revision 3.0.1.1  1994/01/24  13:58:47  ram
* patch16: created
*
*/
```

Found in path(s):

* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/C/fake/setsid.C
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: html1dir.U,v $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: html1dir.U,v $
?RCS:
?MAKE:html1dir html1direxp installhtml1dir: cat Loc Myread \
 spackage test Getfile Setprefixvar Prefixit Prefixup
?MAKE: -pick add $@ %<
?Y:TOP
?D:html1dir=''
?S:html1dir:
?S: This variable contains the name of the directory in which html
?S: source pages are to be put.  This directory is for pages
?S: that describe whole programs, not libraries or modules.  It
?S: is intended to correspond roughly to section 1 of the Unix
?S: manuals.
?S:.
?D:html1direxp=''
?S:html1direxp:
?S: This
 variable is the same as the html1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installhtml1dir=''
?S:installhtml1dir:
?S: This variable is really the same as html1direxp, unless you are
?S: using a different installprefix.  For extra portability, you
?S: should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set html1direxp
?LINT:set installhtml1dir
: determine where html pages for programs go
set html1dir html1dir none
eval $prefixit
$cat <<EOM
```

```
If you wish to install html files for programs in $spackage, indicate
the appropriate directory here.  To skip installing html files,
answer "none".
EOM
case "$html1dir" in
"|none|$undef|' ') dflt=none ;;
*) dflt=$html1dir ;;
esac
fn=dn+~
rp="Directory for the main $spackage html pages?"
. ./getfile
prefixvar=html1dir
. ./setprefixvar
: Use ' ' for none so value is preserved next time through Configure
$test X"$html1dir" = "X" && html1dir=' '

Found
 in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/U/installdirs/html1dir.U
No license file was found, but licenses were detected in source scan.

?RCS:     c) the GNU General Public License as published by the Free
?RCS:     Software Foundation; either version 1, or (at your option) any

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
5.38.0/U/perl/d_builtin_overflow.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: packadmin.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?MAKE:packadmin: cf_email Oldconfig Myread cat spackage package
?MAKE: -pick add $@ %<
?Y:TOP
?S:packadmin:
?S: Electronic mail address of the package administrator.
?S:.
: check wehther they will act as local admin for the package
```

```
$cat <<EOM

If you or somebody else will be maintaining $package at your site, please
fill in the correct e-mail address here so that they may be contacted
if necessary.  You may enter "none"
 for no administrator.

EOM
case "$packadmin" in
") dflt="$cf_email";;
*) dflt="$packadmin";;
esac
rp="$spackage administrator e-mail address"
. ./myread
packadmin="$ans"
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/packadmin.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: siteprefix.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: siteprefix.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:siteprefix siteprefixexp +oldsiteprefix: Getfile Loc Oldconfig cat package prefix
?MAKE: -pick add $@ %<
?S:siteprefix:
?S: This variable holds the full absolute path of the directory below
?S: which the user will install add-on packages.
?S: See INSTALL for usage and examples.
?S:.
?S:siteprefixexp:
?S: This variable holds the full absolute path of the
 directory below
?S: which the user will install add-on packages.  Derived from siteprefix.
?S:.
?S:oldsiteprefix:
```

```
?S: This variable is set non-null if the siteprefix was previously defined
?S: and gets set to a new value. Used internally by Configure only.
?S:.
: Set the siteprefix variables
$cat <<EOM

After $package is installed, you may wish to install various
add-on modules and utilities.  Typically, these add-ons will
be installed under $prefix with the rest
of this package.  However, you may wish to install such add-ons
elsewhere under a different prefix.

If you do not wish to put everything under a single prefix, that's
ok.  You will be prompted for the individual locations; this siteprefix
is only used to suggest the defaults.

The default should be fine for most people.

EOM
fn=d~+
rp='Installation prefix to use for add-on modules and utilities?'
: XXX Here might be another good place for an installstyle setting.
case "$siteprefix" in
") dflt=$prefix ;;
*)  dflt=$siteprefix
 ;;
esac
. ./getfile
: XXX Prefixit unit does not yet support siteprefix and vendorprefix
oldsiteprefix="
case "$siteprefix" in
") ;;
*) case "$ans" in
 "$prefix") ;;
 *) oldsiteprefix="$prefix";;
 esac
 ;;
esac
siteprefix="$ans"
siteprefixexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/siteprefix.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Setvar.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Setvar.U,v $
?RCS: Revision 3.0.1.1  1994/10/29  15:58:28  ram
?RCS: patch36: call ./whoa explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:16  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a variable that is intended to be eval'ed in
?X: order to define/undefine a symbol. A consistency check is made
?X: regarding any previous value and a warning is issued if there
?X: is any discrepancy.
?X:
?X:
 To use it, say:
?X: val=<value>
?X: set d_variable
?X: eval $setvar
?X:
?MAKE:Setvar: Whoa
?MAKE: -pick add $@ %<
?LINT:define setvar
?S:setvar:
?S: This shell variable is used internally by Configure to set a value
?S: to a given symbol that is defined or not. A typical use is:
?S: val=<value computed>
?S:  set d_variable
?S:  eval $setvar
?S: That will print a message in case the $val value is not the same
?S: as the previous value of $d_variable.
?S:.
?V:setvar:val
?T:var was td tu
: function used to set '$1' to '$val'
setvar='var=$1; eval "was=\$$1"; td=$define; tu=$undef;
case "$val$was" in
$define$undef) . ./whoa; eval "$var=\$td";;
$undef$define) . ./whoa; eval "$var=\$tu";;
*) eval "$var=$val";;
esac'
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Setvar.U
No license file was found, but licenses were detected in source scan.

?RCS: You may redistribute only under the terms of the Artistic License,

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_mmap.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_statblks.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_volatile.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/usesocks.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_safebcpy.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/fpostype.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_db.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_shmat.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/d_time.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_gai_strerror.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/bin.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_htonl.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/selectminbits.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_shm.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_getpgrp.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_gethent.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_c99_variadic.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_voidsig.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/dist/U/d_msg.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/archlib.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/protos/selecttype.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/sockopt.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_gnulibc.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_dbminitproto.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_isblank.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_wcsxfrm.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/charorder.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_getsent.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_getpwent.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorbin.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_csh.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_sgndchr.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_gnulibc.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_sresgproto.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Findhdr.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_sgndchr.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_strerror.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_wchar.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_ndbm.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/i_execinfo.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_safebcpy.U

* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_const.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_telldirproto.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Config_sh.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_setpgrp.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_time.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/protos/d_gethostprotos.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/mallocsrc.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/sitearch.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Oldconfig.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_dosuid.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/abortsig.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/archname.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_vfork.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_dirfd.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/myhostname.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/d_eofpipe.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/lseektype.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_wcscmp.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_castneg.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/ccflags.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_dosuid.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_sockatmarkproto.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/U/perl/d__fwalk.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/d_wcrtomb.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/typedefs/gidtype.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/pager.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Guess.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/sh.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_strtoul.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_builtin.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/bin.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_neterrno.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_getpent.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/i_pthread.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/ebcdic.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_dir_dd_fd.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_time.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/gidtype.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/threads/i_machcthr.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_NOFILE.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_closedir.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/d_statblks.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/i_inttypes.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/acl/i_sysaccess.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorarch.U

* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_sigaction.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/cppstdin.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/bitpbyte.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/st_dev_def.U
*
/opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/compline/ssizetype.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/cpp_stuff.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/modetype.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/nblock_io.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/i_pwd.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorscript.U
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5.38.0/dist/U/i_inttypes.U
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* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Tr.U
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* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/charsize.U

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* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/issymlink.U
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/d_socklen_t.U
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?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extractall.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  15:00:43  ram
?RCS: patch61: created
?RCS:
?X:
?X: If extraction has been requested, load the configuration file, perform
?X: the extraction and exit.
?X:
?X: This unit was originally a part of Options.U. It had to be removed from
?X: it to prevent a dependency cycle: Extract -> src -> Options -> Extract
?X: The Begin.U unit now requires us before beginning to do anything
```

```
?X: interesting, to ensure
 proper semantics. -- RAM, 15/03/96
?X:
?MAKE:Extractall: Extract Options
?MAKE: -pick wipe $@ %<
: extract files and exit if asked to do so
case "$extractsh" in
true)
?X: Undo the forced silent=true when -S was supplied, by probing realsilent
?X: which was set iff -s was also given. See Options.U for details.
 case "$realsilent" in
 true) ;;
 *) exec 1>&4;;
 esac
 case "$config_sh" in
 ") config_sh='config.sh';;
 esac
 echo " "
 echo "Fetching answers from $config_sh..."
 cd ..
 . $config_sh
?X: extract has to be run from the top directory, not within UU.
 . UU/optdef.sh
 echo " "
?X: extract has to be run from the top directory, not within UU.
 . UU/extract
 rm -rf UU
 echo "Extraction done."
 exit 0
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/Extractall.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: mansrc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: mansrc.U,v $
```

```
?RCS: Revision 3.0.1.9  1997/02/28  16:12:03  ram
?RCS: patch61: don't ask for AFS when they choose to not install pages
?RCS:
?RCS: Revision 3.0.1.8  1995/09/25  09:16:58  ram
?RCS: patch59: unit is now forced to the top of Configure, if possible
?RCS:
?RCS: Revision 3.0.1.7  1995/02/15  14:15:31  ram
?RCS: patch51: was mistakenly duplicating /usr/local/man/man1 (ADO)
?RCS: patch51: added /opt/man/man1 to the lookpath (ADO)
?RCS:
?RCS: Revision
 3.0.1.6  1995/01/30  14:39:34  ram
?RCS: patch49: can now handle installation prefix changes (from WED)
?RCS:
?RCS: Revision 3.0.1.5  1995/01/11  15:32:25  ram
?RCS: patch45: can now use Loc variables since path stripping is deferred
?RCS:
?RCS: Revision 3.0.1.4  1994/08/29  16:30:38  ram
?RCS: patch32: now uses installation prefix for default setting
?RCS:
?RCS: Revision 3.0.1.3  1994/05/06  15:11:10  ram
?RCS: patch23: added lint hint, assuring that nroff is used
?RCS:
?RCS: Revision 3.0.1.2  1994/01/24  14:14:39  ram
?RCS: patch16: now uses _nroff in case user asked for portability
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:09:31  ram
?RCS: patch10: allows for L1 man page extension (WAD)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:14  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:mansrc mansrcexp manext installmansrc: afs cat nroff Loc Oldconfig \
 sysman spackage test Getfile Prefixit prefixexp Prefixup
?MAKE: -pick add $@ %<
?Y:TOP
?S:mansrc:
?S: This variable
 contains the name of the directory in which manual
?S: source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?S:mansrcexp:
?S: This variable is the same as the mansrc variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?S:installmansrc:
```

```
?S: This variable is really the same as mansrcexp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: mansrcexp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:manext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '1'.  The Makefile must supply the '.'.
?S: See mansrc.
?S:.
?T:lookpath
: determine where manual pages go
set mansrc mansrc none
eval $prefixit
$cat <<EOM

$spackage has manual
 pages available in source form.
EOM
case "$nroff" in
nroff)
 echo "However, you don't have nroff, so they're probably useless to you."
 case "$mansrc" in
 ") mansrc="none";;
 esac;;
esac
echo "If you don't want the manual sources installed, answer 'none'."
case "$mansrc" in
")
 lookpath="$prefixexp/share/man/man1 $prefixexp/man/man1"
 lookpath="$lookpath $prefixexp/man/u_man/man1 $prefixexp/man/l_man/man1"
 lookpath="$lookpath /usr/local/man/man1 /opt/man/man1 /usr/man/manl"
 lookpath="$lookpath /usr/share/man/man1 /usr/local/share/man/man1"
 lookpath="$lookpath /usr/man/local/man1 /usr/man/l_man/man1"
 lookpath="$lookpath /usr/local/man/u_man/man1 /usr/local/man/l_man/man1"
 lookpath="$lookpath /usr/man/man.L"
 mansrc=`./loc . $prefixexp/man/man1 $lookpath`
 if $test -d "$mansrc"; then
  dflt="$mansrc"
 else
  dflt="$sysman"
 fi
 set dflt
 eval $prefixup
 ;;
' ') dflt=none;;
*)  dflt="$mansrc"
 ;;
```

```
esac
echo " "
fn=dn~
rp='Where do the manual pages (source) go?'
. ./getfile
if test
 "X$mansrcexp" != "X$ansexp"; then
 installmansrc="
fi
mansrc="$ans"
mansrcexp="$ansexp"
case "$mansrc" in
") mansrc=' '
 installmansrc=";;
esac
if $afs && $test "$mansrc"; then
 $cat <<EOM

Since you are running AFS, I need to distinguish the directory in which
manual pages reside from the directory in which they are installed (and from
which they are presumably copied to the former directory by occult means).

EOM
 case "$installmansrc" in
 ") dflt=`echo $mansrcexp | sed 's#^/afs/#/afs/.#'`;;
 *) dflt="$installmansrc";;
 esac
 fn=de~
 rp='Where will man pages be installed?'
 . ./getfile
 installmansrc="$ans"
else
 installmansrc="$mansrcexp"
fi

case "$mansrc" in
' ') manext='0';;
*l) manext=l;;
*n) manext=n;;
*o) manext=l;;
*p) manext=n;;
*C) manext=C;;
*L) manext=L;;
*L1) manext=L1;;
*) manext=1;;
esac

Found in path(s):
```

* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/mansrc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: h_fcntl.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: h_fcntl.U,v $
?RCS: Revision 3.0  1993/08/18  12:08:12  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:h_fcntl: Nothing
?MAKE: -pick add $@ %<
?S:h_fcntl:
?S: This is variable gets set in various places to tell i_fcntl that
?S: <fcntl.h> should be included.
?S:.
: Initialize h_fcntl
h_fcntl=false
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/h_fcntl.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999, Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:full_ar: ar
?MAKE: -pick add $@ %<
?S:full_ar:
?S: This variable contains the full pathname to 'ar', whether or
?S: not the user has specified 'portability'.  This is only used
?S: in the Makefile.SH.
```

```
?S:.
: Store the full pathname to the ar program for use in the C program
: Respect a hint or command line value for full_ar.
case "$full_ar" in
") full_ar=$ar ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/Loc_ar.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: inc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: inc.U,v $
?RCS: Revision 3.0  1993/08/18  12:08:51  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:inc incexp: Loc Oldconfig Getfile usrinc
?MAKE: -pick add $@ %<
?S:inc:
?S: This variable holds the name of the directory in which the user wants
?S: to put public header files for the package in question.  It is most
?S: often a local directory such as /usr/local/include.
?S:.
?S:incexp:
?S: This is the same as the inc variable, but is filename
 expaned
?S: at configuration time for convenient use in your makefiles.
?S:.
: determine where public header files go
case "$inc" in
")
 dflt=`./loc . "." /usr/local/include /usr/include/local $usrinc`
 ;;
*)  dflt="$inc"
 ;;
esac
fn=d~
rp='Where do you want to put the public header files?'
```

```
. ./getfile
inc="$ans"
incexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/inc.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: AAAAA.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: AAAAA.U,v $
?RCS: Revision 3.0.1.4  1994/06/20  06:50:26  ram
?RCS: patch30: changes from Jarkko Hietaniemi are tagged with JHI
?RCS:
?RCS: Revision 3.0.1.3  1994/05/06  14:01:39  ram
?RCS: patch23: initials for Wayne Davison are now WED
?RCS: patch23: added initials for new unit contributor Andy Dougherty
?RCS:
?RCS: Revision 3.0.1.2  1994/01/24  14:01:09  ram
?RCS: patch16: make metalint shut up on special unit definition for All target
?RCS:
?RCS: Revision
 3.0.1.1  1993/09/13  15:43:57  ram
?RCS: patch10: documents initials used for Wayne Davison's contributions
?RCS:
?RCS: Revision 3.0  1993/08/18  12:04:44  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: The purpose of this file is to supply the head of the Makefile created
?X: by metaconfig.  For this reason it must be first in alphabetical order.
?X: The leading '+' in front of the unit name is a hint for metalint, since
?X: the use of that special unit name as a "made" unit is legitimate here.
?X:
?MAKE:+All: Finish
?X:
?X: Throughout the units, the following initials are used to identify comments:
?X:
?X:  HMS: Harlan Stenn
```

?X: RAM: Raphael Manfredi
?X: WED: Wayne Davison (was WAD by mistake--RAM)
?X: ADO: Andy Dougherty
?X: JHI: Jarkko Hietaniemi
?X:
?X: Agreed, this is a weird place to document it, but I couldn't find a better
?X: place to do so. I've bet on the curiosity of users, who would probably
?X: want to know what's in this strangely-named file--RAM.

Found
 in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/AAAAA.U
No license file was found, but licenses were detected in source scan.

?RCS: Id
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libs.U,v $
?RCS: Revision 3.0.1.6 1997/02/28 16:09:11 ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.5 1995/07/25 14:12:05 ram
?RCS: patch56: now knows about OS/2 platforms
?RCS:
?RCS: Revision 3.0.1.4 1994/10/29 16:24:22 ram
?RCS: patch36: removed old broken thislib/thatlib processing (ADO)
?RCS:
?RCS: Revision 3.0.1.3 1994/06/20 07:05:44 ram
?RCS: patch30: code cleanup with if/elif by ADO and RAM
?RCS: patch30: undone patch23 for libswanted default
 setting
?RCS:
?RCS: Revision 3.0.1.2 1994/05/06 15:08:45 ram
?RCS: patch23: now includes ordered default libswanted variable (ADO)
?RCS: patch23: major cleanup for library lookups (ADO)
?RCS:
?RCS: Revision 3.0.1.1 1993/08/25 14:02:31 ram
?RCS: patch6: added default for libs
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:03 ram

```
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libs libsfound libsfiles libsdirs libspath libscheck: \
 test cat Myread Oldconfig Loc libpth package xlibpth so _a \
 +usesocks sed +cc +ccflags +ldflags rm
?MAKE: -pick add $@ %<
?S:libs:
?S: This variable holds the additional libraries we want to use.
?S: It is up to the Makefile to deal with it.  The list can be empty.
?S:.
?S:libsfound:
?S: This variable holds the full pathnames of the libraries
?S: we found and accepted.
?S:.
?S:libsfiles:
?S: This variable holds the filenames aka basenames of the libraries
?S: we found and accepted.
?S:.
?S:libsdirs:
?S: This variable holds the directory
 names aka dirnames of the libraries
?S: we found and accepted, duplicates are removed.
?S:.
?S:libspath:
?S: This variable holds the directory names probed for libraries.
?S:.
?S:libscheck:
?S: This variable is intended to be set by hint files, if needed.
?S: It should contain shell code that will be eval'ed with $xxx holding
?S: some library file.  It may change $xxx if needed.
?S: For instance, on an Irix platform, you may make sure the right
?S: library file is used depending on the cc command line, so that the
?S: correct library is used depending on the selected ABI (for 32 and
?S: 64-bit compilations).
?S:
?S: Here is an example of code that could be found in a hint file on Irix
?S: when the selected compiler was for 32-bit -- that code is put in the
?S: cc.cbu call-back unit to be invoked AFTER the C compiler and its
?S: flags have been chosen:
?S:
?S:  libscheck='case "$xxx" in
?S:  *.a) /bin/ar p $xxx `/bin/ar t $xxx | sed q` >$$.o;
?S:   case "`/usr/bin/file $$.o`" in
?S:   *N32*)
 rm -f $$.o ;;
?S:   *) rm -f $$.o; xxx=/no/n32$xxx ;;
?S:   esac ;;
?S:  *) case "`/usr/bin/file $xxx`" in
```

```
?S:   *N32*) ;;
?S:   *) xxx=/no/n32$xxx ;;
?S:   esac ;;
?S:  esac'
?S:.
?D:libs="
?LINT:extern libswanted
?LINT:change libswanted
?INIT:: default library list
?INIT:libswanted="
?X: This order is chosen so that libraries  -lndir, -ldir, -lucb, -lbsd,
?X: -lBSD, -lPW, and -lx only get used if there are unresolved
?X: routines at link time.  Usually, these are backwards compatability
?X: libraries, and may not be as reliable as the standard c library.
?X:
?X: The -lsocket -linet -lnsl order has been reported to be necessary
?X: for at least one SVR4 implementation.
?X: -lc must proceed -lucb or -lbsd for most Solaris applications.
?X: -lc_s proceeds -lc so we pick up the shared library version, if
?X: it is available.
?X:
?X: The ordering of c, posix, and cposix is a guess and almost
?X: certainly wrong on about half of all systems.
?X:
?X: Set proper libswanted in your private
 Myinit.U if needed.
?X:
?X:: default ordered library list
?X:libswanted='net socket inet bind nsl nm sdbm gdbm ndbm dbm malloc dl'
?X:libswanted="$libswanted dld sun m c_s c posix cposix ndir dir ucb"
?X:libswanted="$libswanted bsd BSD PW x"
?X:
?INIT:: should be set by hint files if needed
?INIT:libscheck="
?T:xxx yyy thislib thisdir libstyle linkmsg
?F:lt.c lt
: Looking for optional libraries
echo " "
echo "Checking for optional libraries..." >&4
case "$libs" in
' '|'') dflt='';;
*) dflt="$libs";;
esac
case "$libswanted" in
'') libswanted='c_s';;
esac
?X: libsocks has nasty naming scheme.
?X: This does not work if somebody wants SOCKS 4.
```

```
case "$usesocks" in
"$define") libswanted="$libswanted socks5 socks5_sh" ;;
esac
?X: Used later for link checks
echo "extern char printf(); int main() { printf(); return 0; }" > lt.c
libsfound="
libsfiles="
libsdirs="
libspath="
for thisdir in $libpth $xlibpth; do
 test -d $thisdir && libspath="$libspath $thisdir"
done
for thislib in $libswanted;
 do
 for thisdir in $libspath; do
    xxx="
    if $test ! -f "$xxx" ; then
   xxx=`ls $thisdir/lib$thislib.$so.[0-9]* 2>/dev/null | $sed -n '1p'`
   $test -f "$xxx" && eval $libscheck
   $test -f "$xxx" && libstyle=shared
    fi
    if test ! -f "$xxx"; then
   xxx=$thisdir/lib$thislib.$so
   $test -f "$xxx" && eval $libscheck
   $test -f "$xxx" && libstyle=shared
    fi
    if test ! -f "$xxx"; then
   xxx=$thisdir/lib$thislib$_a
        $test -f "$xxx" && eval $libscheck
   $test -f "$xxx" && libstyle=static
    fi
    if test ! -f "$xxx"; then
   xxx=$thisdir/$thislib$_a
        $test -f "$xxx" && eval $libscheck
   $test -f "$xxx" && libstyle=static
    fi
    if test ! -f "$xxx"; then
   xxx=$thisdir/lib${thislib}_s$_a
        $test -f "$xxx" && eval $libscheck
   $test -f "$xxx" && libstyle=static
   $test -f "$xxx" && thislib=${thislib}_s
    fi
    if test ! -f "$xxx"; then
   xxx=$thisdir/Slib$thislib$_a
        $test -f "$xxx" && eval $libscheck
   $test
 -f "$xxx" && libstyle=static
    fi
```

```
    if $test -f "$xxx"; then
?X:
?X: It is not sufficient to find a .so on the disk.  We must make sure
?X: that we can indeed supply the -lfoo line on the cc line to link against
?X: that library.  On Linux for instance, a versionned .so will not be
?X: implicitly linked against, whereas it will work fine on Solaris 2.6.
?X:  --RAM, 10/10/2003
?X:
   if $cc -o lt $ccflags $ldflags lt.c -l$thislib >/dev/null 2>&1;
   then
    linkmsg=""
   else
    linkmsg=" but I can't link against it"
   fi
   case "$libstyle" in
   shared) echo "Found -l$thislib (shared)$linkmsg." ;;
   static) echo "Found -l$thislib$linkmsg." ;;
   *)      echo "Found -l$thislib ($libstyle)$linkmsg." ;;
   esac
   case " $dflt " in
   *"-l$thislib "*) ;;
   *)
    case "$linkmsg" in
    ")
     dflt="$dflt -l$thislib"
     libsfound="$libsfound $xxx"
     yyy=`basename $xxx`
     libsfiles="$libsfiles $yyy"
     yyy=`echo $xxx|$sed -e "s%/$yyy\\$%%"`
     case " $libsdirs
 " in
     *" $yyy "*) ;;
     *) libsdirs="$libsdirs $yyy" ;;
     esac
       ;;
    esac
    ;;
   esac
   break
     fi
 done
 if $test ! -f "$xxx"; then
     echo "No -l$thislib."
 fi
done
set X $dflt
shift
dflt="$*"
```

```
case "$libs" in
") dflt="$dflt";;
*) dflt="$libs";;
esac
case "$dflt" in
' '|") dflt='none';;
esac
$rm -f lt.c lt

$cat <<EOM

In order to compile $package on your machine, a number of libraries
are usually needed.  Include any other special libraries here as well.
Say "none" for none.  The default list is almost always right.
EOM

echo " "
rp="Which libraries to use?"
. ./myread
case "$ans" in
none) libs=' ';;
*) libs="$ans";;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/libs.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: End.U,v 3.0 1993/08/18 12:04:51 ram Exp $
?RCS:
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?RCS:
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?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: End.U,v $
?RCS: Revision 3.0  1993/08/18  12:04:51  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit serves as the goal which forces make to choose all the units that
?X: ask questions.  The $W on the ?MAKE: line is the list of all symbols wanted.
?X: To force any unit to be included, copy this unit to your private U directory
?X: and add the name of the unit desired to the ?MAKE: dependency line.
```

```
?X:
?MAKE:End perllibs: $W cppstdin gzip zip
 libs usedl osname osvers
?MAKE: -pick add $@ %<
?S:perllibs:
?S: The list of libraries needed by Perl only (any libraries needed
?S: by extensions only will by dropped, if using dynamic loading).
?S:.
?INIT:perllibs="
?LINT:use $W
?LINT:use gzip zip
?LINT:change cppstdin
: Remove libraries needed only for extensions
: The appropriate ext/Foo/Makefile.PL will add them back in, if necessary.
: The exception is SunOS 4.x, which needs them.
case "${osname}X${osvers}" in
sunos*X4*)
   perllibs="$libs"
   ;;
*) case "$usedl" in
   $define|true|[yY]*)
     set X `echo " $libs " | sed -e 's@ -lndbm @ @' -e 's@ -lgdbm @ @' -e 's@ -lgdbm_compat @ @' -e 's@ -ldbm @
@' -e 's@ -ldb @ @'`
     shift
     perllibs="$*"
     ;;
   *) perllibs="$libs"
     ;;
   esac
   ;;
esac

?X: If the user has the cppstdin wrapper, perl.c will try to call
?X: CPPSTDIN, but that will point to a location in the build
?X: directory, not the installed version!.  Here, we'll just strip the
?X: name down to 'cppstdin',
 and rely on the fact that perl.c will
?X: then call SCRIPTDIR/cppstdin, but local things like 'make depend'
?X: will continue to work.
: Remove build directory name from cppstdin so it can be used from
: either the present location or the final installed location.
echo " "
: Get out of the UU directory to get correct path name.
cd ..
case "$cppstdin" in
`pwd`/cppstdin)
 echo "Stripping down cppstdin path name"
 cppstdin=cppstdin
```

```
 ;;
esac
cd UU

: end of configuration questions
echo " "
echo "End of configuration questions."
echo " "
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/End.U
No license file was found, but licenses were detected in source scan.

```
/*
* This file was produced by running the config_h.SH script, which
* gets its values from $CONFIG_SH, which is generally produced by
* running Configure.
*
* Feel free to modify any of this as the need arises.  Note, however,
* that running config_h.SH again will wipe out any changes you've made.
* For a more permanent change edit $CONFIG_SH and rerun config_h.SH.
*
* \$Id: Config_h.U 1 2006-08-24 12:32:52Z rmanfredi $
*/
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Config_h.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: man1dir.U,v 3.2 1999/07/08 20:57:21 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1996, 1999 Andy Dougherty
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
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?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: man1dir.U,v $
?RCS: Revision 3.2  1999/07/08 20:57:21  doughera
?RCS: Used installprefix.
?RCS:
?RCS: Revision 3.1  1999/07/08 20:52:19  doughera
?RCS: Updated for perl5.005_5x
```

```
?RCS:
?RCS: Revision 3.0.1.1  1997/02/28  16:10:29  ram
?RCS: patch61: created
?RCS:
?X: This was originally specific to perl5.  Since perl5 has man pages that
?X: go in both man1/ and man3/ directories, we need both man1dir
?X: and
 man3dir.  This unit is basically dist's mansrc.U with
?X: man1 used instead of man everywhere.
?X:
?MAKE:man1dir man1direxp man1ext installman1dir: cat nroff Loc Oldconfig \
 spackage test Getfile Setprefixvar Prefixit Prefixup sysman Myread \
 prefixexp
?MAKE: -pick add $@ %<
?Y:TOP
?D:man1dir=''
?S:man1dir:
?S: This variable contains the name of the directory in which manual
?S: source pages are to be put.  It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?D:man1direxp=''
?S:man1direxp:
?S: This variable is the same as the man1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installman1dir=''
?S:installman1dir:
?S: This variable is really the same as man1direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man1direxp only points to the read-only access location.
 For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:man1ext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '1'.  The Makefile must supply the '.'.
?S: See man1dir.
?S:.
?T:lookpath
?LINT:change prefixvar
?LINT:set man1direxp
: determine where manual pages go
set man1dir man1dir none
eval $prefixit
$cat <<EOM
```

```
$spackage has manual pages available in source form.
EOM
case "$nroff" in
nroff)
 echo "However, you don't have nroff, so they're probably useless to you."
 case "$man1dir" in
 ") man1dir="none";;
 esac;;
esac
echo "If you don't want the manual sources installed, answer 'none'."
case "$man1dir" in
' ') dflt=none
 ;;
")
 lookpath="$prefixexp/share/man/man1"
 lookpath="$lookpath $prefixexp/man/man1 $prefixexp/man/l_man/man1"
 lookpath="$lookpath $prefixexp/man/p_man/man1"
 lookpath="$lookpath $prefixexp/man/u_man/man1"
 lookpath="$lookpath $prefixexp/man/man.1"
?X: Experience has shown people
 expect man1dir to be under prefix,
?X: so we now always put it there.  Users who want other behavior
?X: can answer interactively or use a command line option.
?X: Does user have System V-style man paths.
 case "$sysman" in
 */?_man*) dflt=`./loc . $prefixexp/l_man/man1 $lookpath` ;;
 *) dflt=`./loc . $prefixexp/man/man1 $lookpath` ;;
 esac
 set dflt
 eval $prefixup
 ;;
*)  dflt="$man1dir"
 ;;
esac
echo " "
fn=dn+~
rp="Where do the main $spackage manual pages (source) go?"
. ./getfile
if $test "X$man1direxp" != "X$ansexp"; then
 installman1dir="
fi
prefixvar=man1dir
. ./setprefixvar

case "$man1dir" in
") man1dir=' '
 installman1dir=";;
esac
```

```
: What suffix to use on installed man pages

case "$man1dir" in
' ')
 man1ext='0'
 ;;
*)
 rp="What suffix should be used for the main $spackage man pages?"
 case "$man1ext" in
 ") case "$man1dir" in
  *1)  dflt=1 ;;
  *1p) dflt=1p ;;
  *1pm) dflt=1pm ;;
  *l) dflt=l;;
  *n) dflt=n;;
  *o) dflt=o;;
  *p) dflt=p;;
  *C) dflt=C;;
  *L) dflt=L;;
  *L1)
 dflt=L1;;
  *) dflt=1;;
  esac
  ;;
 *) dflt="$man1ext";;
 esac
 . ./myread
 man1ext="$ans"
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/man1dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Options.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Options.U,v $
```

```
?RCS: Revision 3.0.1.7  1997/02/28  15:08:15  ram
?RCS: patch61: optdef.sh now starts with a "startsh"
?RCS: patch61: moved some code from Head.U
?RCS:
?RCS: Revision 3.0.1.6  1995/09/25  09:14:46  ram
?RCS: patch59: protected option parsing code against 'echo -*' option failure
?RCS:
?RCS: Revision 3.0.1.5  1995/05/12  12:04:52  ram
?RCS: patch54: added -K option for experts
?RCS:
?RCS: Revision 3.0.1.4  1995/01/30  14:27:52  ram
?RCS:
 patch49: this unit now exports file optdef.sh, not a variable
?RCS:
?RCS: Revision 3.0.1.3  1995/01/11  15:19:00  ram
?RCS: patch45: new -O option allowing -D and -U to override config.sh settings
?RCS: patch45: file optdef.sh is no longer removed after sourcing
?RCS:
?RCS: Revision 3.0.1.2  1994/10/29  15:58:06  ram
?RCS: patch36: ensure option definition file is removed before appending
?RCS: patch36: protect variable definitions with spaces in them
?RCS:
?RCS: Revision 3.0.1.1  1994/06/20  06:55:44  ram
?RCS: patch30: now uses new me symbol to tag error messages
?RCS: patch30: new -D and -U options to define/undef symbols (JHI)
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:14  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: Command line parsing. It is really important that the variables used here
?X: be not listed in the MAKE line, or they will be saved in config.sh and
?X: loading this file to fetch default answers would clobber the values set
?X: herein.
?X:
?MAKE:Options:
 startsh
?MAKE: -pick wipe $@ %<
?V:reuseval alldone error realsilent silent extractsh fastread \
 knowitall: config_sh
?T:arg argn symbol config_arg0 config_args config_argc xxx yyy zzz uuu
?T:args_exp args_sep arg_exp ccflags
?F:!Configure
?F:./optdef.sh ./cmdline.opt ./posthint.sh ./cmdl.opt
: Save command line options in file UU/cmdline.opt for later use in
: generating config.sh.
?X: This temporary file will be read by Oldsym.U.  I used a temporary
?X: file to preserve all sorts of potential command line quotes and
```

```
?X: also because we don't know in advance how many variables we'll
?X: need, so I can't actually declare them on the MAKE line.
?X: The config_args variable won't be quite correct if Configure is
?X: fed something like    ./Configure -Dcc="gcc -B/usr/ccs/bin/"
?X: since the quotes are gone by the time we see them.  You'd have to
?X: reconstruct the command line from the config_arg? lines, but since
?X: I don't imagine anyone actually having to do that, I'm not going
?X:
 to worry too much.
cat > cmdline.opt <<EOSH
: Configure command line arguments.
config_arg0='$0'
config_args='$*'
config_argc=$#
EOSH
argn=1
args_exp=''
args_sep=''
for arg in "$@"; do
 cat >>cmdline.opt <<EOSH
config_arg$argn='$arg'
EOSH
?X: Extreme backslashitis: replace each ' by '''''
 cat <<EOC | sed -e "s/'/'''''''''''''''/g" > cmdl.opt
$arg
EOC
 arg_exp=`cat cmdl.opt`
 args_exp="$args_exp$args_sep'$arg_exp'"
 argn=`expr $argn + 1`
 args_sep=' '
done
?X: args_exp is good for restarting self: eval "set X $args_exp"; shift; $0 "$@"
?X: used by hints/os2.sh in Perl, for instance
rm -f cmdl.opt

: produce awk script to parse command line options
cat >options.awk <<'EOF'
BEGIN {
 optstr = "A:dD:eEf:hKOrsSU:V"; # getopt-style specification

 len = length(optstr);
 for (i = 1; i <= len; i++) {
  c = substr(optstr, i, 1);
?X: some older awk's do not have the C ?: construct
  if (i < len) a = substr(optstr, i + 1, 1); else a = "";
  if (a == ":") {
   arg[c] = 1;
   i++;
```

```
  }
  opt[c]
 = 1;
 }
}
{
 expect = 0;
 str = $0;
 if (substr(str, 1, 1) != "-") {
  printf("'%s'\n", str);
  next;
 }
 len = length($0);
 for (i = 2; i <= len; i++) {
  c = substr(str, i, 1);
  if (!opt[c]) {
   printf("-%s\n", substr(str, i));
   next;
  }
  printf("-%s\n", c);
  if (arg[c]) {
   if (i < len)
    printf("'%s'\n", substr(str, i + 1));
   else
    expect = 1;
   next;
  }
 }
}
END {
 if (expect)
  print "?";
}
EOF

: process the command line options
?X: Use "$@" to keep arguments with spaces in them from being split apart.
?X: For the same reason, awk will output quoted arguments and the final eval
?X: removes them and sets a proper $* array. An 'X' is prepended to each
?X: argument before being fed to echo to guard against 'echo -x', where -x
?X: would be understood as an echo option! It is removed before feeding awk.
set X `for arg in "$@"; do echo "X$arg"; done |
 sed -e s/X// | awk -f options.awk`
eval "set $*"
shift
rm -f options.awk

: set up default values
```

```
fastread=''
reuseval=false
config_sh=''
alldone=''
error=''
silent=''
extractsh=''
knowitall=''
rm
 -f optdef.sh posthint.sh
cat >optdef.sh <<EOS
$startsh
EOS

?X:
?X: Given that we now have the possibility to execute Configure remotely
?X: thanks to the new src.U support, we have to face the possibility
?X: of having to ask where the source lie, which means we need the Myread.U
?X: stuff and possibly other things that might echo something on the
?X: screen...
?X:
?X: That's not pretty, and might be confusing in 99% of the time. So...
?X: We introduce a new realsilent variable which is set when -s is given,
?X: and we force silent=true if -S is supplied. The Extractall.U unit
?X: will then undo the >&4 redirection based on the value of the
?X: realsilent variable... -- RAM, 18/93/96
?X:

: option parsing
while test $# -gt 0; do
 case "$1" in
 -d) shift; fastread=yes;;
 -e) shift; alldone=cont;;
 -f)
  shift
  cd ..
  if test -r "$1"; then
   config_sh="$1"
  else
   echo "$me: cannot read config file $1."
 >&2
   error=true
  fi
  cd UU
  shift;;
 --help|\
 -h) shift; error=true;;
 -r) shift; reuseval=true;;
```

```
-s) shift; silent=true; realsilent=true;;
-E) shift; alldone=exit;;
-K) shift; knowitall=true;;
-O) shift;;
-S) shift; silent=true; extractsh=true;;
-D)
 shift
 case "$1" in
 *=)
  echo "$me: use '-U symbol=', not '-D symbol='." >&2
  echo "$me: ignoring -D $1" >&2
  ;;
 *=*) echo "$1" | \
   sed -e "s/'/'\''\''/g" -e "s/=\(.*\)/='\1'/" >> optdef.sh;;
 *) echo "$1='define'" >> optdef.sh;;
 esac
 shift
 ;;
-U)
 shift
 case "$1" in
 *=) echo "$1" >> optdef.sh;;
 *=*)
  echo "$me: use '-D symbol=val', not '-U symbol=val'." >&2
  echo "$me: ignoring -U $1" >&2
  ;;
 *) echo "$1='undef'" >> optdef.sh;;
 esac
 shift
 ;;
-A)
   shift
   xxx=''
   yyy="$1"
   zzz=''
   uuu=undef
   case "$yyy" in
        *=*) zzz=`echo "$yyy"|sed 's!=.*!!'`
             case "$zzz" in
             *:*) zzz='' ;;
             *)   xxx=append

             zzz=' '`echo "$yyy"|sed 's!^[^=]*=!!'`
                 yyy=`echo "$yyy"|sed 's!=.*!!'` ;;
             esac
             ;;
        esac
        case "$xxx" in
```

```
        ")  case "$yyy" in
            *:*) xxx=`echo "$yyy"|sed 's!:.*!!'`
                yyy=`echo "$yyy"|sed 's!^[^:]*:!!'`
                zzz=`echo "$yyy"|sed 's!^[^=]*=!!'`
                yyy=`echo "$yyy"|sed 's!=.*!!'` ;;
            *)   xxx=`echo "$yyy"|sed 's!:.*!!'`
                yyy=`echo "$yyy"|sed 's!^[^:]*:!!'` ;;
            esac
            ;;
        esac
    case "$xxx" in
    append)
  echo "$yyy=\"\${$yyy}$zzz\"" >> posthint.sh ;;
    clear)
  echo "$yyy=""   >> posthint.sh ;;
    define)
       case "$zzz" in
  ") zzz=define ;;
  esac
  echo "$yyy='$zzz'"  >> posthint.sh ;;
    eval)
  echo "eval \"$yyy=$zzz\"" >> posthint.sh ;;
    prepend)
  echo "$yyy=\"$zzz\${$yyy}\"" >> posthint.sh ;;
    undef)

      case "$zzz" in
  ") zzz="$uuu" ;;
  esac
  echo "$yyy=$zzz"  >> posthint.sh ;;
        *)  echo "$me: unknown -A command '$xxx', ignoring -A $1" >&2 ;;
    esac
    shift
    ;;
 -V) echo "$me generated by metaconfig <VERSION> PL<PATCHLEVEL>." >&2
    exit 0;;
 --) break;;
 -*) echo "$me: unknown option $1" >&2; shift; error=true;;
 *) break;;
 esac
done

case "$error" in
true)
 cat >&2 <<EOM
Usage: $me [-dehrsEKOSV] [-f config.sh] [-D symbol] [-D symbol=value]
            [-U symbol] [-U symbol=] [-A command:symbol...]
 -d : use defaults for all answers.
```

```
 -e : go on without questioning past the production of config.sh.
 -f : specify an alternate default configuration file.
 -h : print this help message and exit (with an error status).
 -r : reuse C symbols value if possible (skips costly nm extraction).
 -s : silent mode, only echoes questions and essential information.
 -D : define symbol to have some value:
       -D symbol               symbol gets the
 value 'define'
       -D symbol='some value'   symbol is set to 'some value'
     common used examples (see INSTALL for more info):
       -Duse64bitint           use 64bit integers
       -Duse64bitall           use 64bit integers and pointers
       -Dusethreads            use thread support
       -Dinc_version_list=none  do not include older perl trees in @INC
       -DEBUGGING=none          DEBUGGING options
       -Dcc=gcc                choose your compiler
       -Dprefix=/opt/perl5      choose your destination
 -E : stop at the end of questions, after having produced config.sh.
 -K : do not use unless you know what you are doing.
 -O : ignored for backward compatibility
 -S : perform variable substitutions on all .SH files (can mix with -f)
 -U : undefine symbol:
       -U symbol    symbol gets the value 'undef'
       -U symbol=   symbol gets completely empty
     e.g.:  -Uversiononly
 -A : manipulate symbol after the platform specific hints
 have been applied:
       -A append:symbol=value   append value to symbol
       -A symbol=value          like append:, but with a separating space
       -A define:symbol=value   define symbol to have value
       -A clear:symbol          define symbol to be ''
       -A define:symbol         define symbol to be 'define'
       -A eval:symbol=value     define symbol to be eval of value
       -A prepend:symbol=value  prepend value to symbol
       -A undef:symbol          define symbol to be 'undef'
       -A undef:symbol=         define symbol to be ''
     e.g.:  -A prepend:libswanted='cl pthread '
            -A ccflags=-DSOME_MACRO
 -V : print version number and exit (with a zero status).
EOM
 exit 1
 ;;
esac

?X:
?X: Unless they specified either -S or both -d and -e/E, make sure we're
?X: running interactively, i.e. attached to a terminal. Moved from Head.U to
?X: be able to handle batch configurations...
```

```
?X:
?X: We have to hardwire the Configure name and
 cannot use $me, since if they
?X: said 'sh <Configure', then $me is 'sh'...
?X:
: Sanity checks
case "$fastread$alldone" in
yescont|yesexit) ;;
*)
 case "$extractsh" in
 true) ;;
 *)
  if test ! -t 0; then
   echo "Say 'sh Configure', not 'sh <Configure'"
   exit 1
  fi
  ;;
 esac
 ;;
esac

?X: In silent mode, the standard output is closed. Questions are asked by
?X: outputing on file descriptor #4, which is the original stdout descriptor.
?X: This filters out all the "junk", since all the needed information is written
?X: on #4. Note that ksh will not let us redirect output if the file descriptor
?X: has not be defined yet, unlike sh, hence the following line...--RAM.
exec 4>&1
case "$silent" in
true) exec 1>/dev/null;;
esac

: run the defines and the undefines, if any, but leave the file out there...
touch optdef.sh
?X: -q is POSIX
?X: It does not work in SysV (solaris) or old BSD greps.
grep '\\' optdef.sh >/dev/null 2>&1
if test $? = 0; then
   echo "Configure does not support \\
 in -D arguments"
   exit 1
fi
. ./optdef.sh
: create the posthint manipulation script and leave the file out there...
?X: this file will be perused by Oldconfig.U
touch posthint.sh

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-
```

5.38.0/U/modified/Options.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_passwd.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_passwd.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  15:37:21  ram
?RCS: patch61: useless unit dropped.
?RCS:
?RCS: Revision 3.0.1.1  1994/08/29  16:09:51  ram
?RCS: patch32: created by ADO
?RCS:
?X:
?X: Useless unit dropped.
?X:
?LINT:empty
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/d_passwd.U
No license file was found, but licenses were detected in source scan.

```
/* $Id: Jmake.rules 18 2006-12-27 10:35:09Z rmanfredi $
*
*  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
*  You may redistribute only under the terms of the Artistic Licence,
*  as specified in the README file that comes with the distribution.
*  You may reuse parts of this distribution only within the terms of
*  that same Artistic Licence; a copy of which may be found at the root
*  of the source tree for dist 4.0.
*
* $Log: Jmake.rules,v $
* Revision 3.0.1.7  2004/08/22 08:28:58  ram
* patch71: random cleanup
*
* Revision 3.0.1.6  1997/02/28  14:56:01  ram
* patch61: now handles USRINC for dependencies
```

```
* patch61: smarter about dependencies computation
*
* Revision 3.0.1.5  1995/09/25  09:07:19  ram
* patch59: smarter sed command to strip /usr/include dependencies
*
* Revision 3.0.1.4  1995/07/25  13:33:59  ram
* patch56: install of script man pages can now cope with missing files
* patch56: the clobber
 target now removes the .config directory as well
*
* Revision 3.0.1.3  1995/03/21  08:35:28  ram
* patch52: suppressed extra argument to NormalProgramTarget call
*
* Revision 3.0.1.2  1995/01/11  14:49:55  ram
* patch45: new macros ShellScriptTargetExt and SimpleShellScriptTargetExt
* patch45: directory installation is now made via INSTALLDIR (Configure)
*
* Revision 3.0.1.1  1994/10/29  15:46:30  ram
* patch36: added RemoteDependency rule
*
* Revision 3.0  1993/08/18  12:04:14  ram
* Baseline for dist 3.0 netwide release.
*
*/
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/files/Jmake.rules
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorhtml1dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999, Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: vendorhtml1dir.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?MAKE:vendorhtml1dir vendorhtml1direxp installvendorhtml1dir: html1dir Getfile \
 Setprefixvar Oldconfig Prefixit test vendorprefix prefix sed
?MAKE: -pick add $@ %<
?Y:TOP
```

```
?S:vendorhtml1dir:
?S: This variable contains the name of the directory for html
?S: pages.  It may have a ~ on the front.
?S: The standard distribution will put nothing in this
 directory.
?S: Vendors who distribute perl may wish to place their own
?S: html pages in this directory with
?S:  MakeMaker Makefile.PL INSTALLDIRS=vendor
?S: or equivalent.  See INSTALL for details.
?S:.
?S:vendorhtml1direxp:
?S: This variable is the ~name expanded version of vendorhtml1dir, so that you
?S: may use it directly in Makefiles or shell scripts.
?S:.
?D:installvendorhtml1dir=''
?S:installvendorhtml1dir:
?S: This variable is really the same as vendorhtml1direxp but may differ on
?S: those systems using AFS. For extra portability, only this variable
?S: should be used in makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installvendorhtml1dir
: Set the vendorhtml1dir variables
case "$vendorprefix" in
'') vendorhtml1dir=''
 vendorhtml1direxp=''
 ;;
*) : determine where vendor-supplied html pages go.
 : There is no standard location, so try to copy the previously-selected
 : directory structure for the core html pages.
 : XXX Better default suggestions would be welcome.
 case "$vendorhtml1dir"
 in
 '') dflt=`echo "$html1dir" | $sed "s#^$prefix#$vendorprefix#"` ;;
 *) dflt=$vendorhtml1dir ;;
 esac
 case "$dflt" in
 '|' ') dflt=none ;;
 esac
 fn=dn+~
 rp='Pathname for the vendor-supplied html pages?'
 . ./getfile
 vendorhtml1dir="$ans"
 vendorhtml1direxp="$ansexp"
 ;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorhtml1dir" = "X" && vendorhtml1dir=' '
```

```
prefixvar=vendorhtml1dir
. ./installprefix
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/vendorhtml1dir.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: End.U,v $
?RCS: Revision 3.0  1993/08/18  12:04:51  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit serves as the goal which forces make to choose all the units that
?X: ask questions.  The $W on the ?MAKE: line is the list of all symbols wanted.
?X: To force any unit to be included, copy this unit to your private U directory
?X: and add the name of the unit desired to the ?MAKE: dependency line.
?X:
?MAKE:End: $W
?MAKE: -pick add $@ %<
?LINT:use $W
: end of configuration
 questions
echo " "
echo "End of configuration questions."
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/End.U
No license file was found, but licenses were detected in source scan.

```
# $Id: errnolist.a,v 3.0 1993/08/18 12:04:35 ram Exp ram $
#
#  Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
#  You may redistribute only under the terms of the Artistic Licence,
#  as specified in the README file that comes with the distribution.
#  You may reuse parts of this distribution only within the terms of
```

```
#  that same Artistic Licence; a copy of which may be found at the root
#  of the source tree for dist 4.0.
#
# Original Author: Harlan Stenn <harlan@mumps.pfcs.com>
#
# $Log: errnolist.a,v $
# Revision 3.0  1993/08/18 12:04:35  ram
# Baseline for dist 3.0 netwide release.
#
#
# This is a simple-minded awk script to generate an initialization for
# sys_errnolist on systems that don't have it.
# This file now depends only on sys/errno.h error numbers under maxerr being
# in order.  It will complain and die if not.  NOTE: It will still produce
# a compilable output file, even with errors, so you must
 check the output.
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/lib/errnolist.a
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Rcs.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Rcs.U,v $
?RCS: Revision 3.0  1993/08/18  12:05:15  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This is a unit that helps people who write SH scripts and keep them under
?X: RCS, but don't think to protect the $Log and other $Id keywords from
?X: variable substitution (or people like me who do not like to).
?X:
?MAKE:Author Date Header Id Locker Log RCSfile Revision Source State: Oldconfig
?MAKE: -pick weed $@ %<
?LINT:describe Author
 Date Header Id Locker Log RCSfile Revision Source State
: preserve RCS keywords in files with variable substitution, grrr
?Author:Author='$Author'
?Date:Date='$Date'
```

```
?Header:Header='$Header'
?Id:Id='$Id'
?$Locker'
?Log:Log='$Log'
?RCSfile:RCSfile='$RCSfile'
?Revision:Revision='$Revision'
?Source:Source='$Source'
?State:State='$State'
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/Rcs.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: installprefix.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: installprefix.U,v $
?RCS: Revision 1.1  1999/07/08 18:32:57  doughera
?RCS: Initial revision
?RCS:
?RCS:
?MAKE:installprefix installprefixexp: Getfile Loc \
 Oldconfig afs cat package prefix
?MAKE: -pick add $@ %<
?S:installprefix:
?S: This variable holds the name of the directory below which
?S: "make install" will install the package.  For most users, this
?S: is the same
 as prefix.  However, it is useful for
?S: installing the software into a different (usually temporary)
?S: location after which it can be bundled up and moved somehow
?S: to the final location specified by prefix.
?S:.
?S:installprefixexp:
?S: This variable holds the full absolute path of installprefix
?S: with all ~-expansion done.
?S:.
: determine installation prefix for where package is to be installed.
```

```
if $afs; then
$cat <<EOM

Since you are running AFS, I need to distinguish the directory in which
files will reside from the directory in which they are installed (and from
which they are presumably copied to the former directory by occult means).

EOM
 case "$installprefix" in
 ") dflt=`echo $prefix | sed 's#^/afs/#/afs/.#'`;;
 *) dflt="$installprefix";;
 esac
else
$cat <<EOM

In some special cases, particularly when building $package for distribution,
it is convenient to distinguish the directory in which files should be
installed from the directory ($prefix) in which they will
eventually
 reside.  For most users, these two directories are the same.

EOM
 case "$installprefix" in
 ") dflt=$prefix ;;
 *) dflt=$installprefix;;
 esac
fi
fn=d~
rp='What installation prefix should I use for installing files?'
. ./getfile
installprefix="$ans"
installprefixexp="$ansexp"
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/installdirs/installprefix.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: dlsrc.U,v$
?RCS:
?RCS: Copyright (c) 1996-1998, Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: dlext.U,v $
?RCS:
?X:  hpux support thanks to Jeff Okamoto <okamoto@hpcc101.corp.hp.com>
```

```
?X:
?X:  To create a shared library, you must compile ALL source files in the
?X:  library with +z (or possibly +Z if the library is whopping huge),
?X:  then link the library with -b.  Example:
?X:   cc -c +z module_a.c
?X:   cc -c +z module_b.c
?X:   ld -b module_a.o module_b.o -o module.sl
?X:
?MAKE:dlext: \
 Getfile Myread cat usedl so
?MAKE: -pick add $@ %<
?Y:BOTTOM
?S:dlext:
?S: This variable contains the extension that is to be used for the
?S: dynamically loaded modules that perl generates.
?S:.
: Check what extension to use for shared libs
case "$usedl" in
$define|y|true)
 $cat <<
 EOM

On a few systems, the dynamically loaded modules that perl generates and uses
will need a different extension than shared libs. The default will probably
be appropriate.

EOM
 case "$dlext" in
 ") dflt="$so" ;;
 *) dflt="$dlext" ;;
 esac
 rp='What is the extension of dynamically loaded modules'
 . ./myread
 dlext="$ans"
 ;;
*)
 dlext="none"
 ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/perl/dlext.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: lns.U,v 3.0.1.1 1994/06/20 07:05:52 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
```

```
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: lns.U,v $
?RCS: Revision 3.0.1.1  1994/06/20  07:05:52  ram
?RCS: patch30: created by ADO
?RCS:
?X:
?X: This unit checks whether symbolic links are really supported.
?X: We can't rely on d_symlink because that may be listed in the
?X: C library but unimplemented.
?X:
?MAKE:lns: ln rm touch
?MAKE: -pick add $@ %<
?S:lns:
?S: This variable holds the name of the command to make
?S: symbolic
 links (if they are supported).  It can be used
?S: in the Makefile. It is either 'ln -s' or 'ln'
?S:.
: determine whether symbolic links are supported
echo " "
$touch blurfl
if $ln -s blurfl sym > /dev/null 2>&1 ; then
 echo "Symbolic links are supported." >&4
 lns="$ln -s"
else
 echo "Symbolic links are NOT supported." >&4
 lns="$ln"
fi
$rm -f blurfl sym
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/lns.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: cf_who.U,v $
?RCS: Revision 3.0.1.2  1997/02/28  15:28:50  ram
?RCS: patch61: new computation method avoiding use of temporary file
?RCS:
?RCS: Revision 3.0.1.1  1994/05/06  14:42:34  ram
?RCS: patch23: login name now computed the hard way
?RCS:
?RCS: Revision 3.0  1993/08/18  12:05:32  ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: Oldconfig dependency is there to ensure computation occurs after old values
?X: from config.sh have been loaded, so that we can supersede them.
?X:
?MAKE:cf_time
 cf_by: date Oldconfig
?MAKE: -pick add $@ %<
?S:cf_time:
?S: Holds the output of the "date" command when the configuration file was
?S: produced. This is used to tag both config.sh and config_h.SH.
?S:.
?S:cf_by:
?S: Login name of the person who ran the Configure script and answered the
?S: questions. This is used to tag both config.sh and config_h.SH.
?S:.
?LINT:change LC_ALL LANGUAGE
: who configured the system
?X: Ensure English date -- Jarkko Hietaniemi
cf_time=`LC_ALL=C; LANGUAGE=C; export LC_ALL; export LANGUAGE; $date 2>&1`
?X:
?X: Leave a white space between first two '(' for ksh. The sub-shell is needed
?X: on some machines to avoid the error message when logname is not found; e.g.
?X: on SUN-OS 3.2, (logname || whoami) would not execute whoami if logname was
?X: not found. Sigh!
?X:
?X: Convex had a broken logname executable which returned a non-zero status,
?X: and that broke the previous:
?X:   cf_by=`( (logname) 2>/dev/null || whoami) 2>&1`
?X: Switch to emergency
 mode... -- RAM, 19/04/94
?X:
?X: Parentheses needed to avoid error message if the program does not exist.
?X: Uses case instead of $test so it can be put before $test is defined.
```

```
?X: Don't redirect to a file because on Ultrix (under script?) logname
?X: outputs a blank line first.  This method will apparently work.
case "$cf_by" in
"")
 cf_by=`(logname) 2>/dev/null`
 case "$cf_by" in
 "")
  cf_by=`(whoami) 2>/dev/null`
  case "$cf_by" in
  "") cf_by=unknown ;;
  esac ;;
 esac ;;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/cf_who.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: make.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: make.U,v $
?RCS: Revision 3.0.1.1  1997/02/28  16:09:40  ram
?RCS: patch61: created
?RCS:
?MAKE:make_set_make : Loc rm sed make
?MAKE: -pick add $@ %<
?S:make_set_make:
?S: Some versions of 'make' set the variable MAKE.  Others do not.
?S: This variable contains the string to be included in Makefile.SH
?S: so that MAKE is set if needed, and not if not needed.
?S: Possible values are:
?S:
?S: make_set_make='#'  #
 If your make program handles this for you,
?S:
?S: make_set_make="MAKE=$make" # if it doesn't.
?S:
?S: This uses a comment character so that we can distinguish a
```

```
?S: 'set' value (from a previous config.sh or Configure -D option)
?S: from an uncomputed value.
?S:.
?LINT: extern MAKE
?LINT: change MAKE
?X: This test is based on one from an autoconf-generated configure
?X: script. Autoconf stole a lot from Configure, but now it's our
?X: turn to do so... ;-) -- RAM, 21/02/97
: check whether make sets MAKE
echo " "
echo "Checking if your $make program sets \$(MAKE)..." >&4
case "$make_set_make" in
")
?X: Use sed so we don't have a line begining with @echo.  Metaconfig
?X: will think that's a command like @if or @end.
 $sed 's/^X //' > testmake.mak << 'EOF'
Xall:
X  @echo 'maketemp="$(MAKE)"'
EOF
?X: GNU make sometimes prints "make[1]: Entering...", which would confuse us
 case "`$make -f testmake.mak 2>/dev/null`" in
 *maketemp=*) make_set_make='#' ;;
 *) make_set_make="MAKE=$make" ;;
 esac
 $rm
 -f testmake.mak
 ;;
esac
case "$make_set_make" in
'#') echo "Yup, it does.";;
*) echo "Nope, it doesn't.";;
esac
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/dist/U/make.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: install.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
```

```
?RCS: $Log: install.U,v $
?RCS: Revision 3.0.1.2  1995/09/25  09:16:37  ram
?RCS: patch59: all possible install programs are now looked for
?RCS:
?RCS: Revision 3.0.1.1  1995/01/11  15:30:41  ram
?RCS: patch45: created
?RCS:
?MAKE:install installdir: Loc Oldconfig Getfile cat test startsh rm +cc \
 eunicefix package contains mkdir echo n c
?MAKE: -pick add $@ %<
?S:install:
?S: This variable contains the name of an install program that can accept
?S: BSD-style arguments.
 It must correctly support -c, -s, and -m at least.
?S: It is a fully qualified pathname when found. If you have a local
?S: install.SH file at the root directory of your package, it is assumed to
?S: be the default script emulating a BSD install and the variable will be
?S: set to ./install. Otherwise, it is set to plain 'install', relying on
?S: the user's PATH to perform miracles.
?S:.
?S:installdir:
?S: This variable contains the name of a program that can install nested
?S: directories. Often set to 'mkdir -p', it can also be 'install -d' if
?S: you have such a beast and lack the former. If you have an install.SH
?S: file at the root directory of your package, it will be used in last
?S: resort, setting the variable to './install -d'. Otherwise, it is set to
?S: plain 'mkdir', and cross your fingers!
?S:.
?T:dir file tryit prog creatdir either
?F:!tryinst
: locate a BSD compatible install program
echo " "
echo "Looking for a BSD-compatible install program..." >&4
@if installdir
creatdir=''
@end
case
 "$install" in
'')
 tryit=''
 for dir in $pth; do
  for file in ginstall installbsd scoinst install; do
   if $test -f $dir/$file; then
    tryit="$tryit $dir/$file"
   fi
  done
 done
 $cat >try.c <<EOC
```

```
int main()
{
 printf("OK\n");
 exit(0);
}
EOC
 if $cc -o try try.c >/dev/null 2>&1; then
  cp try try.ns
  strip try >/dev/null 2>&1
 else
  echo "(I can't seem to compile a trivial C program -- bypassing.)"
  echo "try" >try
  cp try try.ns
 fi
 $cat >tryinst <<EOS
$startsh
$rm -rf foo d
@if installdir
\$1 -d foo/bar
@end
$mkdir d
\$1 -c -m 764 try.ns d
\$1 -c -s -m 642 try.ns d/try
EOS
 chmod +x tryinst
 $eunicefix tryinst
 dflt=''
 either=''
 for prog in $tryit; do
  $echo $n "Checking $prog... $c"
  ./tryinst $prog >/dev/null 2>&1
@if installdir
  if $test -d foo/bar; then
   creatdir="$prog -d"
  fi
@end
  (ls -l d/try >try.ls; ls -l d/try.ns >tryno.ls) 2>/dev/null
  if (cmp -s d/try try && cmp -s d/try.ns try.ns && \
   $contains 'rwxrw-r--' tryno.ls &&
 \
   $contains 'rw-r---w-' try.ls) >/dev/null 2>&1
  then
   dflt="$prog"
   echo "ok, that will do."
   break
  fi
  echo "not good$either."
  either=' either'
```

```
  $rm -f try*.ls
 done
 $rm -rf foo d tryinst try try*.ls try.*
 case "$dflt" in
 ")
@if {test -f ../install.SH}
  echo "Hopefully, $package comes with its own install script!"
  dflt='./install'
@else
  dflt='install'
@end
  ;;
 esac
 ;;
*) dflt="$install";;
esac
$cat <<EOM

I will be requiring a BSD-compatible install program (one that allows
options like -s to strip executables or -m to specify a file mode) to
install $package.

If the question below contains a fully qualified default path, then it
is probably ok. If it is an unqualified name such as 'install', then it
means I was unable to find out a good install program I could use. If
@if {test -f ../install.SH}
you know of one, please tell me about it. If the default is './install',
then I shall be using the install script supplied with $package.
@else
you know of one,
 please tell me about it.
@end

EOM
@if {test -f ../install.SH}
fn='/fe~(install,./install)'
@else
fn='/fe~(install)'
@end
rp='Which install program shall I use?'
. ./getfile
install="$ans"

@if installdir
: how can we create nested directories?
echo " "
echo "Ok, let's see how we can create nested directories..." >&4
case "$installdir" in
```

```
")
?X: First time, maybe we already found out a working one in $creatdir above...
?X: Prefer "mkdir -p" because of bugs in GNU install when not running as root
 $mkdir -p foo/bar >/dev/null 2>&1
 if $test -d foo/bar; then
  echo "Great, we can build them using 'mkdir -p'."
  creatdir='mkdir -p'
 else
  case "$creatdir" in
  ")
   if eval "$install -d foo/bar"; $test -d foo/bar; then
    creatdir="install -d"
    echo "It looks like '$creatdir' will do it for us."
   fi
   ;;
  *)
   eval "$creatdir foo/bar" >/dev/null 2>&1
   if $test -d foo/bar; then
    echo "Ah! We can use '$creatdir' to do just that."
   else
    creatdir="
   fi
   ;;
  esac
 fi
 $rm
 -rf foo
 case "$creatdir" in
 ")
  echo "Heck! Another ancient system lacking the comfort of modern ones!"
@if {test -f ../install.SH}
  echo "You can thank $package for bringing you its own install script!"
  installdir='./install -d'
@else
  echo "We have no choice but to use plain old 'mkdir' -- wish me luck!"
  installdir=mkdir
@end
  ;;
 *) installdir="$creatdir";;
 esac
 ;;
*) echo "As you already told me, '$installdir' should work.";;
esac

@end
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-

5.38.0/dist/U/install.U
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: sysman.U,v 3.0.1.2 1994/06/20 07:08:43 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: sysman.U,v $
?RCS: Revision 3.0.1.2  1994/06/20  07:08:43  ram
?RCS: patch30: now explicitly states that /usr/man/man1 is the default
?RCS: patch30: added /usr/local/man/man1 to the search list
?RCS:
?RCS: Revision 3.0.1.1  1993/09/13  16:13:50  ram
?RCS: patch10: added support for /local/man/man1 (WAD)
?RCS: patch10: added temporary syspath variable to cut down on line length
?RCS:
?RCS: Revision 3.0  1993/08/18  12:09:55  ram
?RCS: Baseline for dist 3.0 netwide
 release.
?RCS:
?MAKE:sysman: test Loc Oldconfig
?MAKE: -pick add $@ %<
?S:sysman:
?S: This variable holds the place where the manual is located on this
?S: system. It is not the place where the user wants to put his manual
?S: pages. Rather it is the place where Configure may look to find manual
?S: for unix commands (section 1 of the manual usually). See mansrc.
?S:.
?T:syspath
: determine where manual pages are on this system
echo " "
case "$sysman" in
")
 syspath='/usr/share/man/man1 /usr/man/man1'
 syspath="$syspath /usr/man/mann /usr/man/manl /usr/man/local/man1"
 syspath="$syspath /usr/man/u_man/man1"
 syspath="$syspath /usr/catman/u_man/man1 /usr/man/l_man/man1"
 syspath="$syspath /usr/local/man/u_man/man1 /usr/local/man/l_man/man1"
 syspath="$syspath /usr/man/man.L /local/man/man1 /usr/local/man/man1"
 sysman=`./loc . /usr/man/man1 $syspath`
 ;;
esac
```

```
if $test -d "$sysman"; then
 echo "System manual is in $sysman." >&4
else
 echo "Could not find manual pages in source form."
 >&4
fi
```

Found in path(s):
* /opt/cola/permits/2338879049_1738277416.0618196/0/perl-5-38-2-orig-regen-configure-1-tar-xz/metaconfig-5.38.0/U/modified/sysman.U

1.7907 libmpfr6 4.2.1-1build1.1

1.7907.1 Available under license :

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* /opt/cola/permits/2339031638_1738287206.2316253/0/cglib-2-1-3-sources-3-jar/net/sf/cglib/core/RemappingCodeVisitor.java
* /opt/cola/permits/2339031638_1738287206.2316253/0/cglib-2-1-3-sources-3-jar/net/sf/cglib/core/NamingPolicy.java
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* /opt/cola/permits/2339031638_1738287206.2316253/0/cglib-2-1-3-sources-3-jar/net/sf/cglib/proxy/ProxyRefDispatcher.java
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* /opt/cola/permits/2339031638_1738287206.2316253/0/cglib-2-1-3-sources-3-jar/net/sf/cglib/transform/ClassEmitterTransformer.java
* /opt/cola/permits/2339031638_1738287206.2316253/0/cglib-2-1-3-sources-3-jar/net/sf/cglib/transform/impl/AccessFieldTransformer.java
* /opt/cola/permits/2339031638_1738287206.2316253/0/cglib-2-1-3-sources-3-jar/net/sf/cglib/transform/ClassReaderGenerator.java
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1.7912 jackson-annotations 2.16.2

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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1.7918 commons-pool 2.12.1

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1.7928 etree 1.2.0

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1.7929 protobuf 1.5.2

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1.7930 redis 7.2.6

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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Python was created in the early 1990s by Guido van Rossum at Stichting
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as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
created specifically to own Python-related Intellectual Property.

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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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Thanks to the many outside volunteers who have worked under Guido's
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NR START   END SECTORS SIZE NAME UUID
1    32  7679    7648 3.7M      8f8378c0-01
2  7680 16383    8704 4.3M      8f8378c0-02
5  7936 12799    4864 2.4M
6 12544 16127    3584 1.8M
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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<Bram@vim.org>.

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Kibaale Children's Centre
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, , 2022, <kazorin@basealt.ru>
Restorer, , 2024, <restorer@mail2k.ru>

vim:tw=78:ts=8:noet:ft=help:norl:
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c) Includete tutte le modifiche, compreso il codice sorgente, con ogni copia del Vim modificato da voi distribuito. Questo pu essere fatto sotto forma dell'output di un comando "diff", che contenga anche

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables
containing that work also fall under Section 6,
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
uganda.txt For Vim version 9.1. Last change: 2024 Aug 14

VIM REFERENCE MANUAL by Bram Moolenaar

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SUMMARY
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below or visit the ICCF web site, available at these URLs:

https://iccf-holland.org/
https://www.vim.org/iccf/
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The current maintainers are listed here: https://github.com/orgs/vim/people.
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=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a |sponsor|. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution

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further changes to also be made under the GNU GPL or a compatible license.

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contact information with the "--with-modified-by" configure argument or the
MODIFIED_BY define.

==========

Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there usually is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that in the past 10 to 30% of the Ugandans are infected with HIV. Because parents
die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. Although AIDS is now mostly under control, the problems are still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the
orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up

needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These
are used to build a good latrine.
They are sold below cost price.

There is a clinic at the project, which provides children and their family medical help. Since 2020 a maternity ward was added and 24/7 service is available. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

donate

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic:
Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have
any further questions, send e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658

Masaka, Uganda, East Africa

Sending money: *iccf-donations*

Check the ICCF web site for the latest information! See |iccf| for the URL.

USA: The methods mentioned below can be used.
If you must send a check send it to our Canadian partner:
https://www.kuwasha.net/

Canada: Contact Kuwasha in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. Kuwasha forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Look on their site for information about sponsorship:
https://www.kuwasha.net/
If you make a donation to Kuwasha you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Amersfoort. This will allow for tax deduction if you live in Holland. ING bank, IBAN: NL95
INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.
Check the ICCF web site for the latest information:
https://iccf-holland.org/germany.html

Europe: Use a bank transfer if possible. See "Others" below for the swift code and IBAN number.
Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:
https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q
The e-mail address for sending the money to is:
Bram@iccf-holland.org

Others: Transfer to this account if possible:
ING bank: IBAN: NL95 INGB 0004 5487 74
Swift code: INGBNL2A
under the name "stichting ICCF Holland", Amersfoort
Checks are not accepted.

vim:tw=78:ts=8:noet:ft=help:norl:
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If this changes it will be announced in appropriate places (most likely
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uganda.txt For Vim version 9.1. Last change: 2022 Mar 02

VIM REFERENCE MANUAL by Bram Moolenaar

uganda *Uganda* *copying* *copyright* *license*
SUMMARY
iccf *ICCF*
Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see |kcc| below or visit the ICCF web site, available at these URLs:

https://iccf-holland.org/
https://www.vim.org/iccf/
https://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for features. See |sponsor|. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see |manual-copyright|.

=== begin of license ===

VIM LICENSE

I) There are no restrictions on distributing unmodified copies of Vim except that they must include this license text. You can also distribute unmodified parts of Vim, likewise unrestricted except that they must include this license text.
You are also allowed to include executables that you made from the unmodified Vim sources, plus your own usage examples and Vim scripts.

II) It is allowed to distribute a modified (or extended) version of Vim, including executables and/or source code, when the following four conditions are met:
1) This license text must be included unmodified.
2) The modified Vim must be distributed in one of the following five ways:
a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation

then this license, or a later version, also applies to your changes.
The current maintainers are listed here: https://github.com/orgs/vim/people.
If this changes it will be announced in appropriate places (most likely
vim.sf.net, www.vim.org and/or comp.editors). When it is completely
impossible to contact the maintainer, the obligation to send him
your changes ceases. Once the maintainer has confirmed that he has
received your changes they will not have to be sent again.

b) If you have received a modified Vim that was distributed as
mentioned under a) you are allowed to further distribute it
unmodified, as mentioned at I). If you make additional changes the
text under a) applies to those changes.

c) Provide all the changes, including source code, with every copy of
the modified Vim you distribute. This may be done in the form of a
context diff. You can choose what license to use for new code you
add. The changes and their license
must not restrict others from
making their own changes to the official version of Vim.

d) When you have a modified Vim which includes changes as mentioned
under c), you can distribute it without the source code for the
changes if the following three conditions are met:

- The license that applies to the changes permits you to distribute
  the changes to the Vim maintainer without fee or restriction, and
  permits the Vim maintainer to include the changes in the official
  version of Vim without fee or restriction.
- You keep the changes for at least three years after last
  distributing the corresponding modified Vim. When the maintainer
  or someone who you distributed the modified Vim to asks you (in
  any way) for the changes within this period, you must make them
  available to him.
- You clearly describe in the distribution how to contact you. This
  contact information must remain valid for at least three years
  after last
distributing the corresponding modified Vim, or as long
  as possible.

e) When the GNU General Public License (GPL) applies to the changes,
you can distribute the modified Vim under the GNU GPL version 2 or
any later version.

3) A message must be added, at least in the output of the ":version"
command and in the intro screen, such that the user of the modified Vim
is able to see that it was modified. When distributing as mentioned
under 2)e) adding the message is only required for as far as this does
not conflict with the license used for the changes.

4) The contact information as required under 2)a) and 2)d) must not be
removed or changed, except that the person himself can make
corrections.

III) If you distribute a modified version of Vim, you are encouraged to use

the Vim license for your changes and make them available to the maintainer, including the source code. The preferred way to do this is by
e-mail or by uploading the files to a server and e-mailing the URL.
If the number of changes is small (e.g., a modified Makefile) e-mailing a context diff will do. The e-mail address to be used is <maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this license for previous Vim releases instead of the license that they came with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a |sponsor|. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

==========
Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there usually is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that in the past 10 to 30% of the Ugandans

are infected with HIV. Because
parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. Although AIDS is now mostly under control, the problems are still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them
how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production
site for cement slabs. These are used to build a good latrine.
They are sold below cost price.

There is a clinic at the project, which provides children and their family medical help. Since 2020 a maternity ward was added and 24/7 service is available. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

donate

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one

of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money: *iccf-donations*

Check the ICCF web site for the latest information! See |iccf| for the URL.

USA: The methods mentioned below can be used.
If you must send a check send it to our Canadian partner:
https://www.kuwasha.net/

Canada: Contact Kuwasha in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. Kuwasha forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated because of Vim. Look on their site for information about sponsorship: https://www.kuwasha.net/
If you make a donation to Kuwasha you will receive a tax

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receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting
ICCF Holland" in
Amersfoort. This will allow for tax deduction if you live in
Holland. ING bank, IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.
Check the ICCF web site for the latest information:
https://iccf-holland.org/germany.html

Europe: Use a bank transfer if possible. See "Others" below for the
swift code and IBAN number.
Any other method should work. Ask for information about
sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is
the most widely used Internet based payment system. It's
really simple to use. Use this link to find more info:
https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q
The e-mail address for sending the money to is:
Bram@iccf-holland.org

Others: Transfer to this account if possible:
ING bank: IBAN: NL95 INGB 0004 5487 74
Swift code: INGBNL2A
under the name "stichting ICCF Holland", Amersfoort
Checks are
not accepted.

vim:tw=78:ts=8:noet:ft=help:norl:

1.7942 systemd-resolved 255.4-1ubuntu8.5

1.7942.1 Available under license :

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Version 2, June 1991

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make

between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole.
If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not

make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections
1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because
it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work
is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays

copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

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dev'essere distribuita in una della
seguenti cinque maniere:
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chiaramente nella distribuzione come possibile mettersi in
contatto con voi. Quando il manutentore vi chiede (in qualsiasi
forma) una copia della versione modificata di Vim da voi
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Se dovessero cambiare, ne sar dato annuncio nei luoghi appropriati
(verosimilmente vim.sf.net, www.vim.org e/o comp.editors). Quando
sia completamente impossibile contattare il manutentore, l'obbligo
di spedirgli le vostre modifiche viene meno. Una volta che il
manutentore abbia confermato di aver ricevuto le vostre modifiche,
non sar necessario spedirle ulteriormente.

b) Se avete ricevuto un Vim modificato che era stato distribuito come
descritto al punto a) potete ulteriormente distribuirlo senza
modificarlo, come menzionato al punto I). Se fate ulteriori
modifiche, il testo al punto a) si applica a queste modifiche.

c) Includete tutte le modifiche, compreso il codice sorgente, con ogni
copia del Vim modificato da voi distribuito. Questo pu essere
fatto sotto forma dell'output di un comando "diff", che contenga
anche
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d) Quando avete un Vim modificato che comprende modifiche quali quelle
menzionate al punto c), potete distribuirlo senza il codice sorgente
che descrive le modifiche, se le seguenti tre condizioni sono
soddisfatte:

- La licenza applicabile alle modifiche vi consente di distribuire
  le modifiche al manutentore Vim senza alcun costo o restrizione, e
  permette al manutentore Vim di includere le modifiche nella
  versione ufficiale di Vim senza alcun costo o restrizione.
- Le modifiche da voi fatte sono conservate per almeno tre anni,

dopo che avrete distribuito per l'ultima volta il Vim modificato
corrispondente alle modifiche stesse. Quando il manutentore o
qualcuno a cui voi avete distribuito il Vim modificato vi chiede
(in qualsiasi forma) le modifiche, entro il periodo qui indicato,
dovete fargliele avere.

- Dovete descrivere chiaramente nella distribuzione come possibile

mettersi in contatto con voi. Questa informazione di contatto
deve rimanere valida per almeno tre anni dopo l'ultima data di
distribuzione della corrispondente modifica di Vim, oppure il pi
a lungo possibile.

e) Quando al GNU General Public License (GPL) si applica alle
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della licenza GNU GPL versione 2 o una qualsiasi versione successiva
della stessa licenza.

3) Un messaggio deve essere aggiunto, almeno all'output del comando
":version" e nella schermata introduttiva, in modo che l'utilizzatore
del Vim modificato sia in grado di comprendere cosa stato modificato.
Quando si distribuisca come menzionato al punto 2)e) l'aggiunta del
messaggio richiesta solo se ci non conduca a conflitti con la
licenza usata per le modifiche.

4) L'informazione di contatto, richiesta ai punto 2)a) e 2)d) non deve
essere rimossa o modificata, tranne che per il fatto che la persona
stessa pu apportare delle correzioni.

III) Se distribuite una versione modificata di Vim, siete incoraggiati a
utilizzare la licenza Vim per le vostre modifiche, e a mettere le
modifiche a disposizione del manutentore, compreso il codice sorgente.
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i file su un server ed inviandone l'indirizzo (URL) tramite e-mail.
Se il numero di modifiche piccolo (per esempio, una modifica a un
Makefile) inviare tramite
email l'output del comando diff con contesto
pu essere sufficiente. L'indirizzo e-mail da utilizzare
<maintainer@vim.org>

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sorgente Vim, anche in parte, o da una versione di Vim modificata.
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Also add information on how to contact you by electronic and paper mail.

You should also
 get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
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 Yoyodyne, Inc., hereby disclaims all copyright interest in the
 library `Frob' (a library for tweaking knobs) written by James Random Hacker.

 <signature of Ty Coon>, 1 April 1990
 Ty Coon, President of Vice

That's all there is to it!
uganda.txt   For Vim version 9.1. Last change: 2024 Aug 14

    VIM REFERENCE MANUAL   by Bram Moolenaar

   uganda *Uganda* *copying* *copyright* *license*
SUMMARY
        iccf *ICCF*
Vim is Charityware. You can use and copy it as much as you like, but you are
encouraged to make a donation for needy children in Uganda. Please see |kcc|
below or visit the ICCF web site, available at these URLs:

 https://iccf-holland.org/

https://www.vim.org/iccf/
https://www.iccf.nl/

You can also sponsor the development of Vim, see |sponsor|. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see |manual-copyright|.

=== begin of license ===

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add. The changes and their license must not restrict others from making
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==========

Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there usually is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that in the past 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. Although AIDS is now mostly under control, the problems are still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is

also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a clinic at the project, which provides children and their family medical help. Since 2020 a maternity ward was added and 24/7 service is available. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

donate

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

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2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my

personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have
any further questions, send e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money: *iccf-donations*

Check the ICCF web site for the latest information! See |iccf| for the URL.

USA: The methods mentioned below can be used.
If you must send a check send it to our Canadian partner:
https://www.kuwasha.net/

Canada: Contact Kuwasha in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. Kuwasha forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Look on their site for information about sponsorship:
https://www.kuwasha.net/
If you make a donation to Kuwasha you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Amersfoort. This will allow for tax deduction if you live in Holland. ING bank, IBAN: NL95
INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.
Check the ICCF web site for the latest information:
https://iccf-holland.org/germany.html

Europe: Use a bank transfer if possible. See "Others" below for the swift code and IBAN number.
Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is
the most widely used Internet based payment system. It's
really simple to use. Use this link to find more info:
https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q
The e-mail address for sending the money to is:
Bram@iccf-holland.org

Others: Transfer to this account if possible:
ING bank: IBAN: NL95 INGB 0004 5487 74
Swift code: INGBNL2A
under the name "stichting ICCF Holland", Amersfoort
Checks are not accepted.

vim:tw=78:ts=8:noet:ft=help:norl:
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(XPM - X PixMap format version 2 & 3)
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uganda.txt   For Vim version 9.1. Last change: 2022 Mar 02

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==========

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Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money: *iccf-donations*

Check the ICCF web site for the latest information! See |iccf| for the URL.

USA: The methods mentioned below can be used.
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vim:tw=78:ts=8:noet:ft=help:norl:

1.7944 xxd 9.1.0016-1ubuntu7.6

1.7944.1 Available under license :

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uganda.txt For Vim version 9.1. Last change: 2022 Mar 02

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below or visit the ICCF web site, available at these URLs:

https://iccf-holland.org/
https://www.vim.org/iccf/
https://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for

features. See |sponsor|. The money goes to Uganda anyway.

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Note:

- If you are happy with Vim, please express that by reading the rest of this

file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a
|sponsor|. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible.
A few minor changes have been made since he checked it, but that should not
make a difference.

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contact information with the "--with-modified-by" configure argument or the
MODIFIED_BY define.

==========
Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the
south of Uganda, near Tanzania, in East Africa. The area is known as Rakai
District. The population is mostly farmers. Although people are poor, there
usually is enough food. But this district is suffering from AIDS more than
any other part of the world. Some say that it started there. Estimations are
that in the past 10 to 30% of the Ugandans
are infected with HIV. Because
parents die, there are many orphans. In this district about 60,000 children
have lost one or both parents, out of a population of 350,000. Although AIDS
is now mostly under control, the problems are still continuing.

The children need a lot of help. The KCC is working hard to provide the needy
with food, medical care and education. Food and medical care to keep them
healthy now, and education so that they can take care of themselves in the
future. KCC works on a Christian base, but help is given to children of any
religion.

The key to solving the problems in this area is education. This has been
neglected in the past years with president Idi Amin and the following civil
wars. Now that the government is stable again, the children and parents have
to learn how to take care of themselves and how to avoid infections. There is
also help for people who are ill and hungry, but the primary goal is to
prevent people from getting ill and to teach them

how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production
site for cement slabs. These are used to build a good latrine.
They are sold below cost price.

There is a clinic at the project, which provides children and their family medical help. Since 2020 a maternity ward was added and 24/7 service is available. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

donate

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been

co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on
the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money: *iccf-donations*

Check the ICCF web site for the latest information! See |iccf| for the URL.

USA: The methods mentioned below can be used.
If you must send a check send it to our Canadian partner:
https://www.kuwasha.net/

Canada: Contact Kuwasha in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. Kuwasha forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated because of Vim. Look on their site for information about sponsorship: https://www.kuwasha.net/
If you make a donation to Kuwasha you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Amersfoort. This will allow for tax deduction if you live in Holland. ING bank, IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.
Check the ICCF web site for the latest information:
https://iccf-holland.org/germany.html

Europe: Use a bank transfer if possible. See "Others" below for the swift code and IBAN number.
Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is

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really simple to use. Use this link to find more info:
https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q
The e-mail address for sending the money to is:
Bram@iccf-holland.org

Others: Transfer to this account if possible:
ING bank: IBAN: NL95 INGB 0004 5487 74
Swift code: INGBNL2A
under the name "stichting ICCF Holland", Amersfoort
Checks are
not accepted.

vim:tw=78:ts=8:noet:ft=help:norl:

1.7945 libpython3.12-stdlib 3.12.3-1ubuntu0.4

1.7945.1 Available under license :

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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see https://opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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1.7946 grpc-go 1.70.0

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1.7948 golang 1.23.6

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1.7949 object-inspect 1.13.4

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1.7950 pflag 1.0.6

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1.7955 jetty-ee10-servlet 12.0.14

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* /opt/cola/permits/2343620904_1738744730.3773367/0/jetty-ee10-servlet-12-0-14-sources-2-jar/org/eclipse/jetty/ee10/servlet/security/ConstraintSecurityHandler.java
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* /opt/cola/permits/2343620904_1738744730.3773367/0/jetty-ee10-servlet-12-0-14-sources-2-jar/org/eclipse/jetty/ee10/servlet/ServletApiRequest.java
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1.7958 spf13-pflag 1.0.6

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1.7959 cgroups 3.0.5

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1.7973 go-auth-oauth2adapt 0.2.3

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package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
 "google.golang.org/api/iterator"
)

func ExampleNewLicensesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will
 require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
```

```
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicensesClient_Delete() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.DeleteLicenseRequest{
  //
 TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
 }
 op, err := c.Delete(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
```

```
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
 }
 resp,
 err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetIamPolicyLicenseRequest.
 }
 resp, err := c.GetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_Insert()
 {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
```

```
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.InsertLicenseRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
}
op, err := c.Insert(ctx, req)
if err != nil {
 // TODO: Handle error.
}

err = op.Wait(ctx)
if err != nil {
 // TODO: Handle error.
}
}

func ExampleLicensesClient_List() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template
only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.ListLicensesRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
}
it := c.List(ctx, req)
for {
 resp, err := it.Next()
 if err == iterator.Done {
  break
 }
```

```
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp

 // If you need to access the underlying RPC response,
 // you can do so by casting the `Response` as below.
 // Otherwise, remove this line. Only populated after
 // first call to Next(). Not safe for concurrent access.
 _ = it.Response.(*computepb.LicensesListResponse)
}
}

func
 ExampleLicensesClient_SetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.SetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
 }
 resp, err := c.SetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically
 generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
```

```
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
 }
 resp, err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleNewLicenseCodesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 //
```

```
 - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicenseCodesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseCodeRequest{
  // TODO: Fill request
 struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
 }
 resp, err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
```

```
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.TestIamPermissionsLicenseCodeRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
}
resp,
err := c.TestIamPermissions(ctx, req)
if err != nil {
 // TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}
```

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```
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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
//  protoc-gen-go v1.34.2
//  protoc        v4.25.3
// source: google/ai/generativelanguage/v1beta/permission.proto

package generativelanguagepb

import (
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
)

const
 (
 // Verify that this generated code is sufficiently up-to-date.
```

```
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Defines types of the grantee of this permission.
type Permission_GranteeType int32

const (
 // The default value. This value is unused.
 Permission_GRANTEE_TYPE_UNSPECIFIED Permission_GranteeType = 0
 // Represents a user. When set, you must provide email_address for the user.
 Permission_USER Permission_GranteeType = 1
 // Represents a group. When set, you must provide email_address for the
 // group.
 Permission_GROUP Permission_GranteeType = 2
 // Represents access to everyone. No extra information is required.
 Permission_EVERYONE Permission_GranteeType = 3
)

// Enum value maps for Permission_GranteeType.
var (
 Permission_GranteeType_name = map[int32]string{
  0: "GRANTEE_TYPE_UNSPECIFIED",
  1: "USER",
  2:
 "GROUP",
  3: "EVERYONE",
 }
 Permission_GranteeType_value = map[string]int32{
  "GRANTEE_TYPE_UNSPECIFIED": 0,
  "USER":                     1,
  "GROUP":                    2,
  "EVERYONE":                 3,
 }
)

func (x Permission_GranteeType) Enum() *Permission_GranteeType {
 p := new(Permission_GranteeType)
 *p = x
 return p
}

func (x Permission_GranteeType) String() string {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_GranteeType) Descriptor() protoreflect.EnumDescriptor {
```

```
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0].Descriptor()
}

func (Permission_GranteeType) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0]
}

func (x Permission_GranteeType) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_GranteeType.Descriptor instead.
func (Permission_GranteeType) EnumDescriptor() ([]byte,
 []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 0}
}

// Defines the role granted by this permission.
type Permission_Role int32

const (
 // The default value. This value is unused.
 Permission_ROLE_UNSPECIFIED Permission_Role = 0
 // Owner can use, update, share and delete the resource.
 Permission_OWNER Permission_Role = 1
 // Writer can use, update and share the resource.
 Permission_WRITER Permission_Role = 2
 // Reader can use the resource.
 Permission_READER Permission_Role = 3
)

// Enum value maps for Permission_Role.
var (
 Permission_Role_name = map[int32]string{
  0: "ROLE_UNSPECIFIED",
  1: "OWNER",
  2: "WRITER",
  3: "READER",
 }
 Permission_Role_value = map[string]int32{
  "ROLE_UNSPECIFIED": 0,
  "OWNER":            1,
  "WRITER":           2,
  "READER":           3,
 }
)

func (x Permission_Role) Enum() *Permission_Role {
```

```
 p := new(Permission_Role)
 *p = x
 return p
}

func (x Permission_Role) String() string {
 return
 protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_Role) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1].Descriptor()
}

func (Permission_Role) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1]
}

func (x Permission_Role) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_Role.Descriptor instead.
func (Permission_Role) EnumDescriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 1}
}

// Permission resource grants user, group or the rest of the world access to the
// PaLM API resource (e.g. a tuned model, corpus).
//
// A role is a collection of permitted operations that allows users to perform
// specific actions on PaLM API resources. To make them available to users,
// groups, or service accounts,
 you assign roles. When you assign a role, you
// grant permissions that the role contains.
//
// There are three concentric roles. Each role is a superset of the previous
// role's permitted operations:
//
// - reader can use the resource (e.g. tuned model, corpus) for inference
// - writer has reader's permissions and additionally can edit and share
// - owner has writer's permissions and additionally can delete
type Permission struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Output only. Identifier. The permission name. A unique name will be
```

```
 // generated on create. Examples:
 //
 // tunedModels/{tuned_model}/permissions/{permission}
 // corpora/{corpus}/permissions/{permission}
 //
 // Output only.
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Optional. Immutable. The type of the grantee.
 GranteeType *Permission_GranteeType
`protobuf:"varint,2,opt,name=grantee_type,json=granteeType,proto3,enum=google.ai.generativelanguage.v1beta.Pe
rmission_GranteeType,oneof"
 json:"grantee_type,omitempty"`
 // Optional. Immutable. The email address of the user of group which this
 // permission refers. Field is not set when permission's grantee type is
 // EVERYONE.
 EmailAddress *string `protobuf:"bytes,3,opt,name=email_address,json=emailAddress,proto3,oneof"
json:"email_address,omitempty"`
 // Required. The role granted by this permission.
 Role *Permission_Role
`protobuf:"varint,4,opt,name=role,proto3,enum=google.ai.generativelanguage.v1beta.Permission_Role,oneof"
json:"role,omitempty"`
}

func (x *Permission) Reset() {
 *x = Permission{}
 if protoimpl.UnsafeEnabled {
  mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  ms.StoreMessageInfo(mi)
 }
}

func (x *Permission) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*Permission) ProtoMessage() {}

func (x *Permission)
 ProtoReflect() protoreflect.Message {
 mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
 if protoimpl.UnsafeEnabled && x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
```

```
 return mi.MessageOf(x)
}

// Deprecated: Use Permission.ProtoReflect.Descriptor instead.
func (*Permission) Descriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0}
}

func (x *Permission) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *Permission) GetGranteeType() Permission_GranteeType {
 if x != nil && x.GranteeType != nil {
  return *x.GranteeType
 }
 return Permission_GRANTEE_TYPE_UNSPECIFIED
}

func (x *Permission) GetEmailAddress() string {
 if x != nil && x.EmailAddress != nil {
  return *x.EmailAddress
 }
 return ""
}

func (x *Permission) GetRole() Permission_Role {
 if x != nil && x.Role
 != nil {
  return *x.Role
 }
 return Permission_ROLE_UNSPECIFIED
}

var File_google_ai_generativelanguage_v1beta_permission_proto protoreflect.FileDescriptor

var file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = []byte{
 0x0a, 0x34, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x23, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x1a, 0x1f, 0x67, 0x6f, 0x6f,
 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x62, 0x65,
 0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a,
```

0x19, 0x67, 0x6f,
0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75, 0x72, 0x63,
0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0x85, 0x05, 0x0a, 0x0a, 0x50, 0x65, 0x72, 0x6d,
0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x1a, 0x0a, 0x04, 0x6e, 0x61, 0x6d, 0x65, 0x18, 0x01,
0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x03, 0xe0, 0x41, 0x08, 0x52, 0x04, 0x6e, 0x61,
0x6d, 0x65, 0x12, 0x6b, 0x0a, 0x0c, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f, 0x74, 0x79,
0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0e, 0x32, 0x3b, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c,
0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50,
0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65,
0x65, 0x54, 0x79, 0x70, 0x65, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x00, 0x52,
0x0b, 0x67,
0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x88, 0x01, 0x01, 0x12,
0x30, 0x0a, 0x0d, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73,
0x18, 0x03, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x01,
0x52, 0x0c, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x41, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73, 0x88, 0x01,
0x01, 0x12, 0x52, 0x0a, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x18, 0x04, 0x20, 0x01, 0x28, 0x0e, 0x32,
0x34, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65,
0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76,
0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
0x2e, 0x52, 0x6f, 0x6c, 0x65, 0x42, 0x03, 0xe0, 0x41, 0x02, 0x48, 0x02, 0x52, 0x04, 0x72, 0x6f,
0x6c, 0x65, 0x88, 0x01, 0x01, 0x22, 0x4e, 0x0a, 0x0b, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65,
0x54, 0x79, 0x70, 0x65, 0x12, 0x1c, 0x0a,
0x18, 0x47, 0x52, 0x41, 0x4e, 0x54, 0x45, 0x45, 0x5f,
0x54, 0x59, 0x50, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45, 0x44,
0x10, 0x00, 0x12, 0x08, 0x0a, 0x04, 0x55, 0x53, 0x45, 0x52, 0x10, 0x01, 0x12, 0x09, 0x0a, 0x05,
0x47, 0x52, 0x4f, 0x55, 0x50, 0x10, 0x02, 0x12, 0x0c, 0x0a, 0x08, 0x45, 0x56, 0x45, 0x52, 0x59,
0x4f, 0x4e, 0x45, 0x10, 0x03, 0x22, 0x3f, 0x0a, 0x04, 0x52, 0x6f, 0x6c, 0x65, 0x12, 0x14, 0x0a,
0x10, 0x52, 0x4f, 0x4c, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45,
0x44, 0x10, 0x00, 0x12, 0x09, 0x0a, 0x05, 0x4f, 0x57, 0x4e, 0x45, 0x52, 0x10, 0x01, 0x12, 0x0a,
0x0a, 0x06, 0x57, 0x52, 0x49, 0x54, 0x45, 0x52, 0x10, 0x02, 0x12, 0x0a, 0x0a, 0x06, 0x52, 0x45,
0x41, 0x44, 0x45, 0x52, 0x10, 0x03, 0x3a, 0xaa, 0x01, 0xea, 0x41, 0xa6, 0x01, 0x0a, 0x2c, 0x67,
0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67,
0x65, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73,
0x2e, 0x63, 0x6f, 0x6d,
0x2f, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x32, 0x74, 0x75, 0x6e,
0x65, 0x64, 0x4d, 0x6f, 0x64, 0x65, 0x6c, 0x73, 0x2f, 0x7b, 0x74, 0x75, 0x6e, 0x65, 0x64, 0x5f,
0x6d, 0x6f, 0x64, 0x65, 0x6c, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f,
0x6e, 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x12,
0x29, 0x63, 0x6f, 0x72, 0x70, 0x6f, 0x72, 0x61, 0x2f, 0x7b, 0x63, 0x6f, 0x72, 0x70, 0x75, 0x73,
0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x2f, 0x7b, 0x70,
0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x2a, 0x0b, 0x70, 0x65, 0x72, 0x6d,
0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x32, 0x0a, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73,
0x69, 0x6f, 0x6e, 0x42, 0x0f, 0x0a, 0x0d, 0x5f, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f,
0x74, 0x79, 0x70, 0x65, 0x42, 0x10, 0x0a, 0x0e, 0x5f, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61,
0x64,
0x64, 0x72, 0x65, 0x73, 0x73, 0x42, 0x07, 0x0a, 0x05, 0x5f, 0x72, 0x6f, 0x6c, 0x65, 0x42,
0x9b, 0x01, 0x0a, 0x27, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,

```
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x42, 0x0f, 0x50, 0x65, 0x72,
 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x50, 0x01, 0x5a, 0x5d,
 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x67, 0x6f, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76,
 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x76, 0x31, 0x62,
 0x65, 0x74, 0x61, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61,
 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x3b, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74,
 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e,
 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x62, 0x06, 0x70,
 0x72, 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce sync.Once
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc
)

func file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP() []byte {
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce.Do(func() {
  file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData)
 })
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData
}

var file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes = make([]protoimpl.EnumInfo, 2)
var file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes = make([]protoimpl.MessageInfo, 1)
var file_google_ai_generativelanguage_v1beta_permission_proto_goTypes
 = []any{
 (Permission_GranteeType)(0), // 0: google.ai.generativelanguage.v1beta.Permission.GranteeType
 (Permission_Role)(0),        // 1: google.ai.generativelanguage.v1beta.Permission.Role
 (*Permission)(nil),          // 2: google.ai.generativelanguage.v1beta.Permission
}
var file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = []int32{
 0, // 0: google.ai.generativelanguage.v1beta.Permission.grantee_type:type_name ->
google.ai.generativelanguage.v1beta.Permission.GranteeType
 1, // 1: google.ai.generativelanguage.v1beta.Permission.role:type_name ->
google.ai.generativelanguage.v1beta.Permission.Role
 2, // [2:2] is the sub-list for method output_type
 2, // [2:2] is the sub-list for method input_type
 2, // [2:2] is the sub-list for extension type_name
 2, // [2:2] is the sub-list for extension extendee
 0, // [0:2] is the sub-list for field type_name
}

func init() { file_google_ai_generativelanguage_v1beta_permission_proto_init() }
```

```
func
 file_google_ai_generativelanguage_v1beta_permission_proto_init() {
 if File_google_ai_generativelanguage_v1beta_permission_proto != nil {
  return
 }
 if !protoimpl.UnsafeEnabled {
  file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].Exporter = func(v any, i int) any {
   switch v := v.(*Permission); i {
   case 0:
    return &v.state
   case 1:
    return &v.sizeCache
   case 2:
    return &v.unknownFields
   default:
    return nil
   }
  }
 }
 file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].OneofWrappers = []any{}
 type x struct{}
 out := protoimpl.TypeBuilder{
  File: protoimpl.DescBuilder{
   GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
   RawDescriptor: file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc,
   NumEnums:      2,
   NumMessages:   1,
   NumExtensions: 0,
   NumServices:   0,
  },
  GoTypes:          file_google_ai_generativelanguage_v1beta_permission_proto_goTypes,
  DependencyIndexes: file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs,
  EnumInfos:
         file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes,
  MessageInfos:      file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes,
 }.Build()
 File_google_ai_generativelanguage_v1beta_permission_proto = out.File
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_goTypes = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = nil
}
// Copyright 2024 Google LLC
//
// Licensed under the Apache License, Version 2.0 (the "License");
// you may not use this file except in compliance with the License.
// You may obtain a copy of the License at
//
//     https://www.apache.org/licenses/LICENSE-2.0
```

```
//
// Unless required by applicable law or agreed to in writing, software
// distributed under the License is distributed on an "AS IS" BASIS,
// WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
// See the License for the specific language governing permissions and
// limitations under the License.

// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute

import (
 "bytes"
 "context"
 "fmt"
 "io"
 "math"
 "net/http"
 "net/url"
 "time"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/googleapi"
 "google.golang.org/api/iterator"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport
 "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/protobuf/encoding/protojson"
 "google.golang.org/protobuf/proto"
)

var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
 Delete            []gax.CallOption
 Get               []gax.CallOption
 GetIamPolicy      []gax.CallOption
 Insert            []gax.CallOption
 List              []gax.CallOption
 SetIamPolicy      []gax.CallOption
 TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
```

```
return &LicensesCallOptions{
 Delete: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
 },
 Get: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
  gax.WithRetry(func() gax.Retryer {
   return gax.OnHTTPCodes(gax.Backoff{
    Initial:    100 * time.Millisecond,
    Max:        60000 * time.Millisecond,
    Multiplier: 1.30,
   },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
  }),
 },
 GetIamPolicy:
[]gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
  gax.WithRetry(func() gax.Retryer {
   return gax.OnHTTPCodes(gax.Backoff{
    Initial:    100 * time.Millisecond,
    Max:        60000 * time.Millisecond,
    Multiplier: 1.30,
   },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
  }),
 },
 Insert: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
 },
 List: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
  gax.WithRetry(func() gax.Retryer {
   return gax.OnHTTPCodes(gax.Backoff{
    Initial:    100 * time.Millisecond,
    Max:        60000 * time.Millisecond,
    Multiplier: 1.30,
   },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
  }),
 },
 SetIamPolicy: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
 },
 TestIamPermissions: []gax.CallOption{
```

```
   gax.WithTimeout(600000
 * time.Millisecond),
  },
 }
}

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
 Close() error
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
 Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
 Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
 GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
 List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
 SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse,
 error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicensesClient

 // The call options for this service.
 CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
 return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
```

```
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

//
 Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
 return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption) (*computepb.License, error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy
 for a resource. May be empty if no such policy or resource exists. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
 return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
 list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption)
```

```
*LicenseIterator {
 return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use
 only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // operationClient is used to call the operation-specific management service.
 operationClient *GlobalOperationsClient

 // The x-goog-* headers to be sent with each request.
 xGoogHeaders []string

 // Points back to the CallOptions field of the containing LicensesClient
 CallOptions **LicensesCallOptions
}

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx
 context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
 clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
```

```
 }

 callOpts := defaultLicensesRESTCallOptions()
 c := &licensesRESTClient{
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
 }
 c.setGoogleClientInfo()

 o := []option.ClientOption{
  option.WithHTTPClient(httpClient),
  option.WithEndpoint(endpoint),
 }
 opC, err := NewGlobalOperationsRESTClient(ctx, o...)
 if err != nil {
  return nil, err
 }
 c.operationClient = opC

 return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultEndpointTemplate("https://compute.UNIVERSE_DOMAIN"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultUniverseDomain("googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
  internaloption.EnableNewAuthLibrary(),
 }
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogHeaders = []string{
  "x-goog-api-client", gax.XGoogHeader(kv...),
 }
}

// Close closes the connection to the API service. The user should invoke this when
```

```
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
 // Replace httpClient with nil to force cleanup.
 c.httpClient
 = nil
 if err := c.operationClient.Close(); err != nil {
  return err
 }
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
 return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params",
 fmt.Sprintf("%s=%v&%s=%v", "project", url.QueryEscape(req.GetProject()), "license",
url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
```

```
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf,
err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
```

```
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()),
 "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.License{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err
 := unm.Unmarshal(buf, resp); err != nil {
   return err
  }
```

```
 return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

 params := url.Values{}
 if req != nil && req.OptionsRequestedPolicyVersion != nil {
  params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and
 context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
```

```
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp);
err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetLicenseResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
```

```
if req != nil && req.RequestId != nil {
 params.Add("requestId",
fmt.Sprintf("%v", req.GetRequestId()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v", "project", url.QueryEscape(req.GetProject()))}

hds = append(c.xGoogHeaders, hds...)
hds = append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err !=
nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
```

```
 }, opts...)
 if e != nil {
  return nil, e
 }
 op := &Operation{
  &globalOperationsHandle{
   c:       c.operationClient,
   proto:   resp,
   project: req.GetProject(),
  },
 }
 return op, nil
}
```

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```
func (c *licensesRESTClient)
 List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
 it := &LicenseIterator{}
 req = proto.Clone(req).(*computepb.ListLicensesRequest)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
  resp := &computepb.LicensesListResponse{}
  if pageToken != "" {
   req.PageToken = proto.String(pageToken)
  }
  if pageSize > math.MaxInt32 {
   req.MaxResults = proto.Uint32(math.MaxInt32)
  } else if pageSize != 0 {
   req.MaxResults = proto.Uint32(uint32(pageSize))
  }
  baseUrl, err := url.Parse(c.endpoint)
  if err != nil {
   return nil, "", err
  }
  baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

  params := url.Values{}
  if req != nil && req.Filter != nil {
   params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
  }
  if req != nil && req.MaxResults != nil {
   params.Add("maxResults",
 fmt.Sprintf("%v", req.GetMaxResults()))
  }
```

```
if req != nil && req.OrderBy != nil {
 params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
}
if req != nil && req.PageToken != nil {
 params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
}
if req != nil && req.ReturnPartialSuccess != nil {
 params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
hds := append(c.xGoogHeaders, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
 if err != nil {
  return err
 }
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return
err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
```

```
  return nil, "", e
 }
 it.Response = resp
 return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
 items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
 if err != nil {
  return "", err
 }
 it.items = append(it.items, items...)
 return nextPageToken, nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()

return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only
 by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetGlobalSetPolicyRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
```

```
 opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
 opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// TestIamPermissions returns permissions that a caller has on
 the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
```

```
error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type",
 "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }
```

```
 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return
nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}
```

1.7974 errdefs 1.0.0

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  'openssl/providers/implementations/digests/md4_prov.c',
  'openssl/providers/implementations/digests/mdc2_prov.c',
  'openssl/providers/implementations/digests/ripemd_prov.c',
   'openssl/providers/implementations/digests/wp_prov.c',
  'openssl/providers/implementations/kdfs/pbkdf1.c',
  'openssl/providers/prov_running.c',
  'openssl/providers/legacyprov.c',
],
'openssl_sources_BSD-x86_64': [
  './config/archs/BSD-x86_64/asm/crypto/aes/aes-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/aes/aesni-mb-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/aes/aesni-sha1-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/aes/aesni-sha256-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/aes/aesni-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/aes/bsaes-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/aes/vpaes-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/bn/rsaz-avx2.s',
  './config/archs/BSD-x86_64/asm/crypto/bn/rsaz-avx512.s',
  './config/archs/BSD-x86_64/asm/crypto/bn/rsaz-x86_64.s',
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  './config/archs/BSD-x86_64/asm/crypto/bn/x86_64-gf2m.s',
  './config/archs/BSD-x86_64/asm/crypto/bn/x86_64-mont.s',
  './config/archs/BSD-x86_64/asm/crypto/bn/x86_64-mont5.s',
  './config/archs/BSD-x86_64/asm/crypto/camellia/cmll-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/chacha/chacha-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/ec/ecp_nistz256-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/ec/x25519-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/x86_64cpuid.s',
  './config/archs/BSD-x86_64/asm/crypto/md5/md5-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/modes/aesni-gcm-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/modes/ghash-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/poly1305/poly1305-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/rc4/rc4-md5-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/rc4/rc4-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/sha/keccak1600-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/sha/sha1-mb-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/sha/sha1-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/sha/sha256-mb-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/sha/sha256-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/sha/sha512-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/whrlpool/wp-x86_64.s',
  './config/archs/BSD-x86_64/asm/engines/e_padlock-x86_64.s',
  './config/archs/BSD-x86_64/asm/providers/common/der/der_sm2_gen.c',
  './config/archs/BSD-x86_64/asm/providers/common/der/der_digests_gen.c',
  './config/archs/BSD-x86_64/asm/providers/common/der/der_dsa_gen.c',
  './config/archs/BSD-x86_64/asm/providers/common/der/der_ec_gen.c',
  './config/archs/BSD-x86_64/asm/providers/common/der/der_ecx_gen.c',
  './config/archs/BSD-x86_64/asm/providers/common/der/der_rsa_gen.c',
  './config/archs/BSD-x86_64/asm/providers/common/der/der_wrap_gen.c',
  './config/archs/BSD-x86_64/asm/providers/legacy.ld',
  './config/archs/BSD-x86_64/asm/providers/fips.ld',
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  'OPENSSL_BUILDING_OPENSSL',
  'AES_ASM',
  'BSAES_ASM',
  'CMLL_ASM',
  'ECP_NISTZ256_ASM',
  'GHASH_ASM',
  'KECCAK1600_ASM',
  'MD5_ASM',
  'OPENSSL_BN_ASM_GF2m',
  'OPENSSL_BN_ASM_MONT',
  'OPENSSL_BN_ASM_MONT5',
  'OPENSSL_CPUID_OBJ',
  'OPENSSL_IA32_SSE2',
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    'PADLOCK_ASM',
    'POLY1305_ASM',
    'RC4_ASM',
    'SHA1_ASM',
    'SHA256_ASM',
    'SHA512_ASM',
    'VPAES_ASM',
    'WHIRLPOOL_ASM',
    'X25519_ASM',
    'OPENSSL_PIC',
  ],
  'openssl_cflags_BSD-x86_64': [
    '-Wa,--noexecstack',
    '-Wall -O3',
    '-pthread',
    '-Wall -O3',
  ],
  'openssl_ex_libs_BSD-x86_64': [
    '-pthread',
  ],
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 'include_dirs': [
  '.',
  './include',
  './crypto',
  './crypto/include/internal',
  './providers/common/include',
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  'cflags' : ['<@(openssl_cflags_BSD-x86_64)'],
 'libraries': ['<@(openssl_ex_libs_BSD-x86_64)'],
 'sources': ['<@(openssl_sources)', '<@(openssl_sources_BSD-x86_64)'],
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  'defines': ['<@(openssl_defines_BSD-x86_64)'],
 },
}
```

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{
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  'openssl/ssl/methods.c',
  'openssl/ssl/pqueue.c',
  'openssl/ssl/s3_enc.c',
  'openssl/ssl/s3_lib.c',
  'openssl/ssl/s3_msg.c',
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  'openssl/ssl/ssl_cert.c',
  'openssl/ssl/ssl_ciph.c',
  'openssl/ssl/ssl_conf.c',
  'openssl/ssl/ssl_err.c',
  'openssl/ssl/ssl_err_legacy.c',
  'openssl/ssl/ssl_init.c',
  'openssl/ssl/ssl_lib.c',
  'openssl/ssl/ssl_mcnf.c',
  'openssl/ssl/ssl_quic.c',
  'openssl/ssl/ssl_rsa.c',
  'openssl/ssl/ssl_rsa_legacy.c',
  'openssl/ssl/ssl_sess.c',
  'openssl/ssl/ssl_stat.c',
  'openssl/ssl/ssl_txt.c',
  'openssl/ssl/ssl_utst.c',
  'openssl/ssl/t1_enc.c',
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  'openssl/ssl/tls13_enc.c',
  'openssl/ssl/tls_depr.c',
  'openssl/ssl/tls_srp.c',
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  'openssl/ssl/record/rec_layer_d1.c',
  'openssl/ssl/record/rec_layer_s3.c',
  'openssl/ssl/record/ssl3_buffer.c',
  'openssl/ssl/record/ssl3_record.c',
  'openssl/ssl/record/ssl3_record_tls13.c',
  'openssl/ssl/statem/extensions.c',
  'openssl/ssl/statem/extensions_clnt.c',
  'openssl/ssl/statem/extensions_cust.c',
  'openssl/ssl/statem/extensions_srvr.c',
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  'openssl/ssl/statem/statem_dtls.c',
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  'openssl/ssl/statem/statem_quic.c',
  'openssl/ssl/statem/statem_srvr.c',
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'openssl/crypto/aes/aes_cfb.c',
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'openssl/crypto/aes/aes_ige.c',
'openssl/crypto/aes/aes_misc.c',
'openssl/crypto/aes/aes_ofb.c',
'openssl/crypto/aes/aes_wrap.c',
'openssl/crypto/aria/aria.c',
'openssl/crypto/asn1/a_bitstr.c',
'openssl/crypto/asn1/a_d2i_fp.c',
'openssl/crypto/asn1/a_digest.c',
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'openssl/crypto/asn1/d2i_pr.c',
'openssl/crypto/asn1/d2i_pu.c',
'openssl/crypto/asn1/evp_asn1.c',
'openssl/crypto/asn1/f_int.c',
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  'OPENSSL_BN_ASM_PART_WORDS',
  'OPENSSL_CPUID_OBJ',
  'OPENSSL_IA32_SSE2',
  'PADLOCK_ASM',
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  'RC4_ASM',
  'RMD160_ASM',
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  'openssl_ex_libs_BSD-x86': [
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  './crypto',
  './crypto/include/internal',
  './providers/common/include',
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 'direct_dependent_settings': {
  'include_dirs': ['./include', '.'],
  'defines': ['<@(openssl_defines_BSD-x86)'],
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}
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JSON parsing library (nlohmann/json)

File: vendor/json/upstream/single_include/nlohmann/json.hpp (only for ICU4C)

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Section: pkg.m4 - Macros to locate and utilise pkg-config.

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=== src/compat.h src/compat-inl.h ===

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'openssl/ssl/d1_srtp.c',
'openssl/ssl/methods.c',
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    './config/archs/BSD-x86/asm/crypto/bn/x86-mont.S',
    './config/archs/BSD-x86/asm/crypto/camellia/cmll-x86.S',
    './config/archs/BSD-x86/asm/crypto/chacha/chacha-x86.S',
    './config/archs/BSD-x86/asm/crypto/des/crypt586.S',
    './config/archs/BSD-x86/asm/crypto/des/des-586.S',
```

```
  './config/archs/BSD-x86/asm/crypto/ec/ecp_nistz256-x86.S',
  './config/archs/BSD-x86/asm/crypto/x86cpuid.S',
  './config/archs/BSD-x86/asm/crypto/md5/md5-586.S',
  './config/archs/BSD-x86/asm/crypto/modes/ghash-x86.S',
   './config/archs/BSD-x86/asm/crypto/poly1305/poly1305-x86.S',
  './config/archs/BSD-x86/asm/crypto/rc4/rc4-586.S',
  './config/archs/BSD-x86/asm/crypto/ripemd/rmd-586.S',
  './config/archs/BSD-x86/asm/crypto/sha/sha1-586.S',
  './config/archs/BSD-x86/asm/crypto/sha/sha256-586.S',
  './config/archs/BSD-x86/asm/crypto/sha/sha512-586.S',
  './config/archs/BSD-x86/asm/crypto/whrlpool/wp-mmx.S',
  './config/archs/BSD-x86/asm/engines/e_padlock-x86.S',
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  './config/archs/BSD-x86/asm/providers/common/der/der_wrap_gen.c',
  './config/archs/BSD-x86/asm/providers/legacy.ld',
   './config/archs/BSD-x86/asm/providers/fips.ld',
],
'openssl_defines_BSD-x86': [
  'NDEBUG',
  'L_ENDIAN',
  'OPENSSL_BUILDING_OPENSSL',
  'AES_ASM',
  'CMLL_ASM',
  'DES_ASM',
  'ECP_NISTZ256_ASM',
  'GHASH_ASM',
  'MD5_ASM',
  'OPENSSL_BN_ASM_GF2m',
  'OPENSSL_BN_ASM_MONT',
  'OPENSSL_BN_ASM_PART_WORDS',
  'OPENSSL_CPUID_OBJ',
  'OPENSSL_IA32_SSE2',
  'PADLOCK_ASM',
  'POLY1305_ASM',
  'RC4_ASM',
  'RMD160_ASM',
  'SHA1_ASM',
  'SHA256_ASM',
  'SHA512_ASM',
  'VPAES_ASM',
  'WHIRLPOOL_ASM',
  'OPENSSL_PIC',
],
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  'openssl_cflags_BSD-x86': [
    '-Wa,--noexecstack',
    '-Wall -O3 -fomit-frame-pointer',
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    '-Wall -O3 -fomit-frame-pointer',
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  'openssl_ex_libs_BSD-x86': [
    '-pthread',
  ],
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 'include_dirs': [
  '.',
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  './crypto',
  './crypto/include/internal',
   './providers/common/include',
 ],
 'defines': ['<@(openssl_defines_BSD-x86)'],
 'cflags' : ['<@(openssl_cflags_BSD-x86)'],
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 'direct_dependent_settings': {
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  'defines': ['<@(openssl_defines_BSD-x86)'],
 },
}
```

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"GPL-3.0-with-autoconf-exception",
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"Nunit",
"StandardML-NJ",
"bzip2-1.0.5",
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'openssl/crypto/asn1_dsa.c',
'openssl/crypto/bsearch.c',
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  'openssl/providers/common/der/der_rsa_key.c',
  'openssl/providers/common/provider_ctx.c',
  'openssl/providers/common/provider_err.c',
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  'openssl/providers/implementations/ciphers/ciphercommon_block.c',
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  'openssl/providers/implementations/ciphers/ciphercommon_gcm.c',
  'openssl/providers/implementations/ciphers/ciphercommon_gcm_hw.c',
  'openssl/providers/implementations/ciphers/ciphercommon_hw.c',
  'openssl/providers/implementations/digests/digestcommon.c',
  'openssl/ssl/record/tls_pad.c',
  'openssl/providers/fips/fips_entry.c',

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  './config/archs/BSD-x86_64/asm/crypto/aes/aesni-sha1-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/aes/aesni-sha256-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/aes/aesni-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/aes/bsaes-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/aes/vpaes-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/bn/rsaz-avx2.s',
  './config/archs/BSD-x86_64/asm/crypto/bn/rsaz-avx512.s',
  './config/archs/BSD-x86_64/asm/crypto/bn/rsaz-x86_64.s',
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  './config/archs/BSD-x86_64/asm/crypto/bn/x86_64-mont.s',
  './config/archs/BSD-x86_64/asm/crypto/bn/x86_64-mont5.s',
  './config/archs/BSD-x86_64/asm/crypto/camellia/cmll-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/chacha/chacha-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/ec/ecp_nistz256-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/ec/x25519-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/x86_64cpuid.s',
  './config/archs/BSD-x86_64/asm/crypto/md5/md5-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/modes/aesni-gcm-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/modes/ghash-x86_64.s',
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  './config/archs/BSD-x86_64/asm/crypto/rc4/rc4-x86_64.s',
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  './config/archs/BSD-x86_64/asm/engines/e_padlock-x86_64.s',
  './config/archs/BSD-x86_64/asm/providers/common/der/der_sm2_gen.c',
  './config/archs/BSD-x86_64/asm/providers/common/der/der_digests_gen.c',
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  './config/archs/BSD-x86_64/asm/providers/legacy.ld',
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],
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  'L_ENDIAN',
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  'AES_ASM',
  'BSAES_ASM',
  'ECP_NISTZ256_ASM',
  'FIPS_MODULE',
  'GHASH_ASM',
  'KECCAK1600_ASM',
  'OPENSSL_BN_ASM_GF2m',
  'OPENSSL_BN_ASM_MONT',
  'OPENSSL_BN_ASM_MONT5',
  'OPENSSL_CPUID_OBJ',
  'OPENSSL_IA32_SSE2',
  'SHA1_ASM',
  'SHA256_ASM',
  'SHA512_ASM',
  'VPAES_ASM',
  'X25519_ASM',
  'FIPS_MODULE',
],
'openssl_cflags_BSD-x86_64': [
  '-Wa,--noexecstack',
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  '-pthread',
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  'openssl_ex_libs_BSD-x86_64': [
    '-pthread',
  ],
  'linker_script': ''
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 'include_dirs': [
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  './include',
  './crypto',
   './crypto/include/internal',
  './providers/common/include',
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 'libraries': ['<@(openssl_ex_libs_BSD-x86_64)'],

 'sources': ['<@(openssl_sources)', '<@(openssl_sources_BSD-x86_64)'],
 'direct_dependent_settings': {
  'include_dirs': ['./include', '.'],
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 },
}
```

version 1.2.12, March 27th, 2022

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Recognizing Contributors

The project looks to recognize and thank contributors for their contributions
as one of the ways we can help them continue to contribute to the project.

This document captures some of the processes we have in place to do that.

Some of the benefits we hope to achieve through these programs include:

* Ensuring people know that the project appreciates their work
* Encouraging people to repeat/grow their contributions
* Helping people demonstrate to their managers the value of the
 contributions they are making, which in terms helps their manager support
 their employer investing in the project (unfortunately this is
 something that matters)
* Highlighting the new features in Node.js and showing that they are
 being added by individuals like those mentioned. This should encourage
 other people to get involved and make similar contributions.
* Highlighting those leading efforts/initiatives and they are being
 done by individuals or teams like those mentioned.
 This should
 encourage other people to get involved and make similar contributions

Sponsorship link on nodejs/node README.md

Collaborators may add a single link beside their name on the nodejs/node
[`README.md`](../../README.md) file in the section titled `Collaborators`

named `Support me`. This link may be:

1. a direct link to one of the sponsorship platforms listed below,
2. a page that has text explaining how to support the collaborator
  including zero or more links to the sponsorship platforms listed below.
  The page should not have any outgoing links other than to the
  sponsorship platforms. We expect and trust collaborators to ensure that
  the text is professional and respectful.

The sponsorship platforms to which links can be made currently
includes (in alphabetical order):

* [GitHub Sponsors](https://github.com/sponsors)
* [Polar](https://polar.sh/)
* thanks.dev

Amplification of posts announcing talks by collaborators

When a collaborator
 is speaking at a public event they may request amplification
by the Node.js social media accounts. They can request that a post highlighting
that they are speaking at the event be amplified by the Node.js accounts by
making a request in the #nodejs-social channel in the OpenJS Foundation slack.
We trust that collaborators will only request amplification when they believe
the event is relevant to the Node.js community and the content of the post is
in line with the norms of the project.

Bi-monthly contributor spotlight

The contributor spotlight program showcases individual(s) or teams who have
made signification contributions to the project. Anybody who is not
a member of the Technical Steering Committee (TSC) and has made a
notable contribution to the project can be nominated. They DO NOT need
to be a collaborator, team member etc.

The work of the team or individual(s) will be showcased on the
Node.js social channels and, if warranted, through a blog post created by the
OpenJS
 marketing staff along with the team or individual(s) which will
be published on openjsf.org.

Nominations can be made through this web form:
[Contributor Spotlight nomination](https://forms.gle/dXBXZn8yu83HLJ57A)

Nominations will be reviewed/approved by the Technical Steering Committee (TSC)
on a regular basis as scheduled by the TSC chair. The TSC will also
recommend the order in which approved nominations are processed
by the OpenJS marketing staff.

Before any work proceeds on an approved nomination the individual(s) or team will be contacted to confirm they want to participate. Social content and or spotlight blog post will only be published after the team or individual(s) have confirmed they are happy with the content.

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   'openssl_sources': [
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     'openssl/crypto/bn/bn_const.c',
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'openssl/providers/implementations/signature/rsa_sig.c',
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  'openssl/providers/common/der/der_ec_sig.c',
  'openssl/providers/common/der/der_ecx_key.c',
  'openssl/providers/common/der/der_rsa_key.c',
  'openssl/providers/common/provider_ctx.c',
  'openssl/providers/common/provider_err.c',
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  'openssl/providers/implementations/ciphers/ciphercommon_block.c',
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  'openssl/providers/implementations/ciphers/ciphercommon_ccm_hw.c',
  'openssl/providers/implementations/ciphers/ciphercommon_gcm.c',
  'openssl/providers/implementations/ciphers/ciphercommon_gcm_hw.c',
   'openssl/providers/implementations/ciphers/ciphercommon_hw.c',
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  'openssl/ssl/record/tls_pad.c',
  'openssl/providers/fips/fips_entry.c',

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 'openssl_sources_BSD-x86': [
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  './config/archs/BSD-x86/asm/crypto/aes/aesni-x86.S',
  './config/archs/BSD-x86/asm/crypto/aes/vpaes-x86.S',
  './config/archs/BSD-x86/asm/crypto/bf/bf-586.S',
  './config/archs/BSD-x86/asm/crypto/bn/bn-586.S',
  './config/archs/BSD-x86/asm/crypto/bn/co-586.S',
  './config/archs/BSD-x86/asm/crypto/bn/x86-gf2m.S',
  './config/archs/BSD-x86/asm/crypto/bn/x86-mont.S',
  './config/archs/BSD-x86/asm/crypto/camellia/cmll-x86.S',
  './config/archs/BSD-x86/asm/crypto/chacha/chacha-x86.S',
  './config/archs/BSD-x86/asm/crypto/des/crypt586.S',
  './config/archs/BSD-x86/asm/crypto/des/des-586.S',
   './config/archs/BSD-x86/asm/crypto/ec/ecp_nistz256-x86.S',
  './config/archs/BSD-x86/asm/crypto/x86cpuid.S',
  './config/archs/BSD-x86/asm/crypto/md5/md5-586.S',
  './config/archs/BSD-x86/asm/crypto/modes/ghash-x86.S',
  './config/archs/BSD-x86/asm/crypto/poly1305/poly1305-x86.S',
  './config/archs/BSD-x86/asm/crypto/rc4/rc4-586.S',
  './config/archs/BSD-x86/asm/crypto/ripemd/rmd-586.S',
  './config/archs/BSD-x86/asm/crypto/sha/sha1-586.S',
  './config/archs/BSD-x86/asm/crypto/sha/sha256-586.S',
  './config/archs/BSD-x86/asm/crypto/sha/sha512-586.S',
  './config/archs/BSD-x86/asm/crypto/whrlpool/wp-mmx.S',
  './config/archs/BSD-x86/asm/engines/e_padlock-x86.S',
  './config/archs/BSD-x86/asm/providers/common/der/der_sm2_gen.c',
  './config/archs/BSD-x86/asm/providers/common/der/der_digests_gen.c',
  './config/archs/BSD-x86/asm/providers/common/der/der_dsa_gen.c',
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    './config/archs/BSD-x86/asm/providers/common/der/der_ec_gen.c',
     './config/archs/BSD-x86/asm/providers/common/der/der_ecx_gen.c',
    './config/archs/BSD-x86/asm/providers/common/der/der_rsa_gen.c',
    './config/archs/BSD-x86/asm/providers/common/der/der_wrap_gen.c',
    './config/archs/BSD-x86/asm/providers/legacy.ld',
    './config/archs/BSD-x86/asm/providers/fips.ld',

  ],
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    'NDEBUG',
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    'AES_ASM',
    'DES_ASM',
    'ECP_NISTZ256_ASM',
    'FIPS_MODULE',
    'GHASH_ASM',
    'OPENSSL_BN_ASM_GF2m',
    'OPENSSL_BN_ASM_MONT',
    'OPENSSL_BN_ASM_PART_WORDS',
    'OPENSSL_CPUID_OBJ',
    'OPENSSL_IA32_SSE2',
    'SHA1_ASM',
    'SHA256_ASM',
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    'VPAES_ASM',
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    'GHASH_ASM',
    'KECCAK1600_ASM',
    'MD5_ASM',
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    'OPENSSL_BN_ASM_MONT5',
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https://github.com/bitinn/node-fetch
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Version 1.0.0

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```
{
 'variables': {
   'openssl_defines_BSD-x86': [
     'NDEBUG',
```

```
  'L_ENDIAN',
  'OPENSSL_BUILDING_OPENSSL',
  'OPENSSL_PIC',
],
'openssl_cflags_BSD-x86': [
  '-Wall -O3 -fomit-frame-pointer',
  '-pthread',
  '-Wall -O3 -fomit-frame-pointer',
],
'openssl_ex_libs_BSD-x86': [
  '-pthread',
],
'openssl_cli_srcs_BSD-x86': [
  'openssl/apps/lib/cmp_mock_srv.c',
  'openssl/apps/asn1parse.c',
  'openssl/apps/ca.c',
  'openssl/apps/ciphers.c',
  'openssl/apps/cmp.c',
  'openssl/apps/cms.c',
  'openssl/apps/crl.c',
  'openssl/apps/crl2pkcs7.c',
  'openssl/apps/dgst.c',
  'openssl/apps/dhparam.c',
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  'openssl/apps/dsaparam.c',
  'openssl/apps/ec.c',
  'openssl/apps/ecparam.c',
  'openssl/apps/enc.c',
  'openssl/apps/engine.c',
  'openssl/apps/errstr.c',
  'openssl/apps/fipsinstall.c',
  'openssl/apps/gendsa.c',
  'openssl/apps/genpkey.c',

  'openssl/apps/genrsa.c',
  'openssl/apps/info.c',
  'openssl/apps/kdf.c',
  'openssl/apps/list.c',
  'openssl/apps/mac.c',
  'openssl/apps/nseq.c',
  'openssl/apps/ocsp.c',
  'openssl/apps/openssl.c',
  'openssl/apps/passwd.c',
  'openssl/apps/pkcs12.c',
  'openssl/apps/pkcs7.c',
  'openssl/apps/pkcs8.c',
  'openssl/apps/pkey.c',
  'openssl/apps/pkeyparam.c',
```

```
    'openssl/apps/pkeyutl.c',
    'openssl/apps/prime.c',
    './config/archs/BSD-x86/no-asm/apps/progs.c',
    'openssl/apps/rand.c',
    'openssl/apps/rehash.c',
    'openssl/apps/req.c',
    'openssl/apps/rsa.c',
    'openssl/apps/rsautl.c',
    'openssl/apps/s_client.c',
    'openssl/apps/s_server.c',
    'openssl/apps/s_time.c',
    'openssl/apps/sess_id.c',
    'openssl/apps/smime.c',
    'openssl/apps/speed.c',
    'openssl/apps/spkac.c',
    'openssl/apps/srp.c',
    'openssl/apps/storeutl.c',
    'openssl/apps/ts.c',
    'openssl/apps/verify.c',
     'openssl/apps/version.c',
    'openssl/apps/x509.c',
    'openssl/apps/lib/app_libctx.c',
    'openssl/apps/lib/app_params.c',
    'openssl/apps/lib/app_provider.c',
    'openssl/apps/lib/app_rand.c',
    'openssl/apps/lib/app_x509.c',
    'openssl/apps/lib/apps.c',
    'openssl/apps/lib/apps_ui.c',
    'openssl/apps/lib/columns.c',
    'openssl/apps/lib/engine.c',
    'openssl/apps/lib/engine_loader.c',
    'openssl/apps/lib/fmt.c',
    'openssl/apps/lib/http_server.c',
    'openssl/apps/lib/names.c',
    'openssl/apps/lib/opt.c',
    'openssl/apps/lib/s_cb.c',
    'openssl/apps/lib/s_socket.c',
    'openssl/apps/lib/tlssrp_depr.c',
  ],
},
'defines': ['<@(openssl_defines_BSD-x86)'],
'include_dirs': [
  './include',
],
'cflags' : ['<@(openssl_cflags_BSD-x86)'],
'libraries': ['<@(openssl_ex_libs_BSD-x86)'],
'sources': ['<@(openssl_cli_srcs_BSD-x86)'],
}
```

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```
name: License update
on:
 schedule:
   # 00:00:00 every Monday
   # https://crontab.guru/#0_0_*_*_1
   - cron: 0 0 * * 1
 workflow_dispatch:

permissions:
 contents: read

jobs:
 update_license:
   permissions:
     contents: write  # for gr2m/create-or-update-pull-request-action to push local changes
     pull-requests: write  # for gr2m/create-or-update-pull-request-action to create a PR
   if: github.repository == 'nodejs/node'
   runs-on: ubuntu-latest
   steps:
     - uses: actions/checkout@11bd71901bbe5b1630ceea73d27597364c9af683  # v4.2.2
       with:
         persist-credentials: false
     - run: ./tools/license-builder.sh  # Run the license builder tool
     - uses: gr2m/create-or-update-pull-request-action@86ec1766034c8173518f61d2075cc2a173fb8c97  # v1.9.4
       # Creates a PR or update the Action's existing PR, or
       # no-op if the base branch is already up-to-date.
       env:
         GITHUB_TOKEN: ${{ secrets.GITHUB_TOKEN }}
       with:

     author: Node.js GitHub Bot <github-bot@iojs.org>
         branch: actions/license-builder
         title: 'doc: run license-builder'
         body: >
           License is likely out of date. This is an automatically generated PR by
           the `license-builder.yml` GitHub Action, which runs `license-builder.sh`
           and submits a new PR or updates an existing PR.
         commit-message: 'doc: run license-builder'
         labels: meta
```

A. HISTORY OF THE SOFTWARE
==========

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All
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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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```
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   'openssl_defines_BSD-x86_64': [
     'NDEBUG',
     'L_ENDIAN',
     'OPENSSL_BUILDING_OPENSSL',
     'AES_ASM',
     'BSAES_ASM',
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     'OPENSSL_BN_ASM_MONT',
     'OPENSSL_BN_ASM_MONT5',
     'OPENSSL_CPUID_OBJ',
     'OPENSSL_IA32_SSE2',
     'PADLOCK_ASM',
     'POLY1305_ASM',
     'RC4_ASM',
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  'openssl/apps/crl.c',
  'openssl/apps/crl2pkcs7.c',
  'openssl/apps/dgst.c',
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  'openssl/apps/dsaparam.c',
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  'openssl/apps/engine.c',
  'openssl/apps/errstr.c',
  'openssl/apps/fipsinstall.c',
  'openssl/apps/gendsa.c',
  'openssl/apps/genpkey.c',
  'openssl/apps/genrsa.c',
  'openssl/apps/info.c',
  'openssl/apps/kdf.c',
  'openssl/apps/list.c',
  'openssl/apps/mac.c',
  'openssl/apps/nseq.c',
  'openssl/apps/ocsp.c',
  'openssl/apps/openssl.c',
  'openssl/apps/passwd.c',
  'openssl/apps/pkcs12.c',
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    'openssl/apps/lib/engine_loader.c',
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JSON parsing library (nlohmann/json)

File: vendor/json/upstream/single_include/nlohmann/json.hpp (only for ICU4C)

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  ],
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  './include',
  './crypto',
  './crypto/include/internal',
  './providers/common/include',
 ],
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 'cflags' : ['<@(openssl_cflags_BSD-x86_64)'],
 'libraries': ['<@(openssl_ex_libs_BSD-x86_64)'],
 'sources': ['<@(openssl_sources)', '<@(openssl_sources_BSD-x86_64)'],
 'direct_dependent_settings': {
  'include_dirs': ['./include', '.'],
  'defines': ['<@(openssl_defines_BSD-x86_64)'],
 },
}
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'cflags' : ['<@(openssl_cflags_BSD-x86)'],
'libraries': ['<@(openssl_ex_libs_BSD-x86)'],
'sources': ['<@(openssl_cli_srcs_BSD-x86)'],
}
```

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```
<!-- DO NOT EDIT! Generated by `%(generating_script_filename)s --spec %(spec_directory)s/` -->
{
 'variables': {
   'openssl_sources': [
     'openssl/crypto/aes/aes_cbc.c',
     'openssl/crypto/aes/aes_core.c',
     'openssl/crypto/aes/aes_ecb.c',
     'openssl/crypto/aes/aes_misc.c',
     'openssl/crypto/bn/bn_add.c',
     'openssl/crypto/bn/bn_asm.c',
     'openssl/crypto/bn/bn_blind.c',
     'openssl/crypto/bn/bn_const.c',
     'openssl/crypto/bn/bn_conv.c',
     'openssl/crypto/bn/bn_ctx.c',
     'openssl/crypto/bn/bn_dh.c',
     'openssl/crypto/bn/bn_div.c',
```

'openssl/crypto/bn/bn_exp.c',
'openssl/crypto/bn/bn_exp2.c',
'openssl/crypto/bn/bn_gcd.c',
'openssl/crypto/bn/bn_gf2m.c',
'openssl/crypto/bn/bn_intern.c',
'openssl/crypto/bn/bn_kron.c',
'openssl/crypto/bn/bn_lib.c',
'openssl/crypto/bn/bn_mod.c',
'openssl/crypto/bn/bn_mont.c',
'openssl/crypto/bn/bn_mpi.c',
'openssl/crypto/bn/bn_mul.c',
'openssl/crypto/bn/bn_nist.c',
'openssl/crypto/bn/bn_prime.c',
'openssl/crypto/bn/bn_rand.c',
'openssl/crypto/bn/bn_recp.c',
'openssl/crypto/bn/bn_rsa_fips186_4.c',
'openssl/crypto/bn/bn_shift.c',
'openssl/crypto/bn/bn_sqr.c',
'openssl/crypto/bn/bn_sqrt.c',
'openssl/crypto/bn/bn_word.c',
'openssl/crypto/buffer/buffer.c',
'openssl/crypto/cmac/cmac.c',
'openssl/crypto/des/des_enc.c',
'openssl/crypto/des/ecb3_enc.c',
'openssl/crypto/des/fcrypt_b.c',
'openssl/crypto/des/set_key.c',
'openssl/crypto/dh/dh_backend.c',
'openssl/crypto/dh/dh_check.c',
'openssl/crypto/dh/dh_gen.c',
'openssl/crypto/dh/dh_group_params.c',
'openssl/crypto/dh/dh_kdf.c',
'openssl/crypto/dh/dh_key.c',
'openssl/crypto/dh/dh_lib.c',
'openssl/crypto/dsa/dsa_backend.c',
'openssl/crypto/dsa/dsa_check.c',
'openssl/crypto/dsa/dsa_gen.c',
'openssl/crypto/dsa/dsa_key.c',
'openssl/crypto/dsa/dsa_lib.c',
'openssl/crypto/dsa/dsa_ossl.c',
'openssl/crypto/dsa/dsa_sign.c',
'openssl/crypto/dsa/dsa_vrf.c',
'openssl/crypto/ec/curve448/arch_32/f_impl32.c',
'openssl/crypto/ec/curve448/arch_64/f_impl64.c',
'openssl/crypto/ec/curve448/curve448.c',
'openssl/crypto/ec/curve448/curve448_tables.c',
'openssl/crypto/ec/curve448/eddsa.c',
'openssl/crypto/ec/curve448/f_generic.c',
'openssl/crypto/ec/curve448/scalar.c',

'openssl/crypto/ec/curve25519.c',
'openssl/crypto/ec/ec2_oct.c',
'openssl/crypto/ec/ec2_smpl.c',
'openssl/crypto/ec/ec_asn1.c',
'openssl/crypto/ec/ec_backend.c',
'openssl/crypto/ec/ec_check.c',
'openssl/crypto/ec/ec_curve.c',
'openssl/crypto/ec/ec_cvt.c',
'openssl/crypto/ec/ec_key.c',
'openssl/crypto/ec/ec_kmeth.c',
'openssl/crypto/ec/ec_lib.c',
'openssl/crypto/ec/ec_mult.c',
'openssl/crypto/ec/ec_oct.c',
'openssl/crypto/ec/ecdh_kdf.c',
'openssl/crypto/ec/ecdh_ossl.c',
'openssl/crypto/ec/ecdsa_ossl.c',

'openssl/crypto/ec/ecdsa_sign.c',
'openssl/crypto/ec/ecdsa_vrf.c',
'openssl/crypto/ec/ecp_mont.c',
'openssl/crypto/ec/ecp_nist.c',
'openssl/crypto/ec/ecp_oct.c',
'openssl/crypto/ec/ecp_smpl.c',
'openssl/crypto/ec/ecx_backend.c',
'openssl/crypto/ec/ecx_key.c',
'openssl/crypto/evp/asymcipher.c',
'openssl/crypto/evp/dh_support.c',
'openssl/crypto/evp/digest.c',
'openssl/crypto/evp/ec_support.c',
'openssl/crypto/evp/evp_enc.c',
'openssl/crypto/evp/evp_fetch.c',
'openssl/crypto/evp/evp_lib.c',
'openssl/crypto/evp/evp_rand.c',
'openssl/crypto/evp/evp_utils.c',
'openssl/crypto/evp/exchange.c',
'openssl/crypto/evp/kdf_lib.c',
'openssl/crypto/evp/kdf_meth.c',
'openssl/crypto/evp/kem.c',
'openssl/crypto/evp/keymgmt_lib.c',
'openssl/crypto/evp/keymgmt_meth.c',
'openssl/crypto/evp/m_sigver.c',
'openssl/crypto/evp/mac_lib.c',
'openssl/crypto/evp/mac_meth.c',
'openssl/crypto/evp/p_lib.c',
'openssl/crypto/evp/pmeth_check.c',
'openssl/crypto/evp/pmeth_gn.c',
'openssl/crypto/evp/pmeth_lib.c',
'openssl/crypto/evp/signature.c',

'openssl/crypto/ffc/ffc_backend.c',
'openssl/crypto/ffc/ffc_dh.c',
'openssl/crypto/ffc/ffc_key_generate.c',
'openssl/crypto/ffc/ffc_key_validate.c',
'openssl/crypto/ffc/ffc_params.c',
'openssl/crypto/ffc/ffc_params_generate.c',
'openssl/crypto/ffc/ffc_params_validate.c',
'openssl/crypto/hmac/hmac.c',
'openssl/crypto/lhash/lhash.c',
'openssl/crypto/asn1_dsa.c',
'openssl/crypto/bsearch.c',
'openssl/crypto/context.c',
'openssl/crypto/core_algorithm.c',
'openssl/crypto/core_fetch.c',
'openssl/crypto/core_namemap.c',
'openssl/crypto/cpuid.c',
'openssl/crypto/cryptlib.c',
'openssl/crypto/ctype.c',
'openssl/crypto/der_writer.c',
'openssl/crypto/ex_data.c',
'openssl/crypto/initthread.c',
'openssl/crypto/mem_clr.c',
'openssl/crypto/o_str.c',
'openssl/crypto/packet.c',
'openssl/crypto/param_build.c',
'openssl/crypto/param_build_set.c',
'openssl/crypto/params.c',
'openssl/crypto/params_dup.c',
'openssl/crypto/params_from_text.c',
'openssl/crypto/provider_core.c',
'openssl/crypto/provider_predefined.c',
'openssl/crypto/self_test_core.c',
'openssl/crypto/sparse_array.c',
'openssl/crypto/threads_lib.c',
'openssl/crypto/threads_none.c',
'openssl/crypto/threads_pthread.c',
'openssl/crypto/threads_win.c',
'openssl/crypto/modes/cbc128.c',
'openssl/crypto/modes/ccm128.c',
'openssl/crypto/modes/cfb128.c',
'openssl/crypto/modes/ctr128.c',
'openssl/crypto/modes/gcm128.c',
'openssl/crypto/modes/ofb128.c',
'openssl/crypto/modes/wrap128.c',
'openssl/crypto/modes/xts128.c',
'openssl/crypto/property/defn_cache.c',

'openssl/crypto/property/property.c',
'openssl/crypto/property/property_parse.c',
'openssl/crypto/property/property_query.c',
'openssl/crypto/property/property_string.c',
'openssl/crypto/rand/rand_lib.c',
'openssl/crypto/rsa/rsa_acvp_test_params.c',
'openssl/crypto/rsa/rsa_backend.c',
'openssl/crypto/rsa/rsa_chk.c',
'openssl/crypto/rsa/rsa_crpt.c',
'openssl/crypto/rsa/rsa_gen.c',
'openssl/crypto/rsa/rsa_lib.c',
'openssl/crypto/rsa/rsa_mp_names.c',
'openssl/crypto/rsa/rsa_none.c',
'openssl/crypto/rsa/rsa_oaep.c',
'openssl/crypto/rsa/rsa_ossl.c',
'openssl/crypto/rsa/rsa_pk1.c',
'openssl/crypto/rsa/rsa_pss.c',
'openssl/crypto/rsa/rsa_schemes.c',
'openssl/crypto/rsa/rsa_sign.c',
'openssl/crypto/rsa/rsa_sp800_56b_check.c',
'openssl/crypto/rsa/rsa_sp800_56b_gen.c',
'openssl/crypto/rsa/rsa_x931.c',
'openssl/crypto/sha/keccak1600.c',
'openssl/crypto/sha/sha1dgst.c',
'openssl/crypto/sha/sha256.c',
'openssl/crypto/sha/sha3.c',
'openssl/crypto/sha/sha512.c',
'openssl/crypto/stack/stack.c',
'openssl/providers/common/der/der_rsa_sig.c',
'openssl/providers/common/bio_prov.c',
'openssl/providers/common/capabilities.c',
'openssl/providers/common/digest_to_nid.c',
'openssl/providers/common/provider_seeding.c',
'openssl/providers/common/provider_util.c',
'openssl/providers/common/securitycheck.c',
'openssl/providers/common/securitycheck_fips.c',
'openssl/providers/fips/fipsprov.c',
'openssl/providers/fips/self_test.c',
'openssl/providers/fips/self_test_kats.c',
'openssl/providers/implementations/asymciphers/rsa_enc.c',
'openssl/providers/implementations/ciphers/cipher_aes.c',
'openssl/providers/implementations/ciphers/cipher_aes_cbc_hmac_sha.c',
'openssl/providers/implementations/ciphers/cipher_aes_cbc_hmac_sha1_hw.c',
'openssl/providers/implementations/ciphers/cipher_aes_cbc_hmac_sha256_hw.c',
'openssl/providers/implementations/ciphers/cipher_aes_ccm.c',
'openssl/providers/implementations/ciphers/cipher_aes_ccm_hw.c',
'openssl/providers/implementations/ciphers/cipher_aes_gcm.c',
'openssl/providers/implementations/ciphers/cipher_aes_gcm_hw.c',

'openssl/providers/implementations/ciphers/cipher_aes_hw.c',
'openssl/providers/implementations/ciphers/cipher_aes_ocb.c',
'openssl/providers/implementations/ciphers/cipher_aes_ocb_hw.c',
'openssl/providers/implementations/ciphers/cipher_aes_wrp.c',
'openssl/providers/implementations/ciphers/cipher_aes_xts.c',
'openssl/providers/implementations/ciphers/cipher_aes_xts_fips.c',
'openssl/providers/implementations/ciphers/cipher_aes_xts_hw.c',
'openssl/providers/implementations/ciphers/cipher_cts.c',
'openssl/providers/implementations/ciphers/cipher_tdes.c',
'openssl/providers/implementations/ciphers/cipher_tdes_common.c',
'openssl/providers/implementations/ciphers/cipher_tdes_hw.c',
'openssl/providers/implementations/digests/sha2_prov.c',
'openssl/providers/implementations/digests/sha3_prov.c',
'openssl/providers/implementations/exchange/dh_exch.c',
'openssl/providers/implementations/exchange/ecdh_exch.c',
'openssl/providers/implementations/exchange/ecx_exch.c',
'openssl/providers/implementations/exchange/kdf_exch.c',
'openssl/providers/implementations/kdfs/hkdf.c',
'openssl/providers/implementations/kdfs/kbkdf.c',
'openssl/providers/implementations/kdfs/pbkdf2.c',
'openssl/providers/implementations/kdfs/pbkdf2_fips.c',
'openssl/providers/implementations/kdfs/sshkdf.c',
'openssl/providers/implementations/kdfs/sskdf.c',
'openssl/providers/implementations/kdfs/tls1_prf.c',
'openssl/providers/implementations/kdfs/x942kdf.c',
'openssl/providers/implementations/kem/rsa_kem.c',

'openssl/providers/implementations/keymgmt/dh_kmgmt.c',
'openssl/providers/implementations/keymgmt/dsa_kmgmt.c',
'openssl/providers/implementations/keymgmt/ec_kmgmt.c',
'openssl/providers/implementations/keymgmt/ecx_kmgmt.c',
'openssl/providers/implementations/keymgmt/kdf_legacy_kmgmt.c',
'openssl/providers/implementations/keymgmt/mac_legacy_kmgmt.c',
'openssl/providers/implementations/keymgmt/rsa_kmgmt.c',
'openssl/providers/implementations/macs/cmac_prov.c',
'openssl/providers/implementations/macs/gmac_prov.c',
'openssl/providers/implementations/macs/hmac_prov.c',
'openssl/providers/implementations/macs/kmac_prov.c',
'openssl/providers/implementations/rands/crngt.c',
'openssl/providers/implementations/rands/drbg.c',
'openssl/providers/implementations/rands/drbg_ctr.c',
'openssl/providers/implementations/rands/drbg_hash.c',
'openssl/providers/implementations/rands/drbg_hmac.c',
'openssl/providers/implementations/rands/test_rng.c',
'openssl/providers/implementations/signature/dsa_sig.c',
'openssl/providers/implementations/signature/ecdsa_sig.c',
'openssl/providers/implementations/signature/eddsa_sig.c',
'openssl/providers/implementations/signature/mac_legacy_sig.c',

```
  'openssl/providers/implementations/signature/rsa_sig.c',
  'openssl/ssl/s3_cbc.c',
  'openssl/providers/common/der/der_dsa_key.c',
  'openssl/providers/common/der/der_dsa_sig.c',
  'openssl/providers/common/der/der_ec_key.c',
  'openssl/providers/common/der/der_ec_sig.c',
  'openssl/providers/common/der/der_ecx_key.c',
  'openssl/providers/common/der/der_rsa_key.c',
  'openssl/providers/common/provider_ctx.c',
  'openssl/providers/common/provider_err.c',
  'openssl/providers/implementations/ciphers/ciphercommon.c',
  'openssl/providers/implementations/ciphers/ciphercommon_block.c',
  'openssl/providers/implementations/ciphers/ciphercommon_ccm.c',
   'openssl/providers/implementations/ciphers/ciphercommon_ccm_hw.c',
  'openssl/providers/implementations/ciphers/ciphercommon_gcm.c',
  'openssl/providers/implementations/ciphers/ciphercommon_gcm_hw.c',
  'openssl/providers/implementations/ciphers/ciphercommon_hw.c',
  'openssl/providers/implementations/digests/digestcommon.c',
  'openssl/ssl/record/tls_pad.c',
  'openssl/providers/fips/fips_entry.c',

],
'openssl_sources_BSD-x86': [
  './config/archs/BSD-x86/no-asm/providers/common/der/der_sm2_gen.c',
  './config/archs/BSD-x86/no-asm/providers/common/der/der_digests_gen.c',
  './config/archs/BSD-x86/no-asm/providers/common/der/der_dsa_gen.c',
  './config/archs/BSD-x86/no-asm/providers/common/der/der_ec_gen.c',
  './config/archs/BSD-x86/no-asm/providers/common/der/der_ecx_gen.c',
  './config/archs/BSD-x86/no-asm/providers/common/der/der_rsa_gen.c',
  './config/archs/BSD-x86/no-asm/providers/common/der/der_wrap_gen.c',
   './config/archs/BSD-x86/no-asm/providers/legacy.ld',
  './config/archs/BSD-x86/no-asm/providers/fips.ld',

],
'openssl_defines_BSD-x86': [
  'NDEBUG',
  'L_ENDIAN',
  'OPENSSL_BUILDING_OPENSSL',
  'FIPS_MODULE',
  'FIPS_MODULE',
],
'openssl_cflags_BSD-x86': [
  '-Wall -O3 -fomit-frame-pointer',
  '-pthread',
  '-Wall -O3 -fomit-frame-pointer',
],
'openssl_ex_libs_BSD-x86': [
  '-pthread',
```

```
  ],
  'linker_script': ''
 },
 'include_dirs': [
  '.',
  './include',
  './crypto',
  './crypto/include/internal',
  './providers/common/include',
 ],
 'defines': ['<@(openssl_defines_BSD-x86)'],
 'cflags': ['<@(openssl_cflags_BSD-x86)'],
 'libraries': ['<@(openssl_ex_libs_BSD-x86)'],

 'sources': ['<@(openssl_sources)', '<@(openssl_sources_BSD-x86)'],
 'direct_dependent_settings': {
  'include_dirs': ['./include', '.'],
  'defines': ['<@(openssl_defines_BSD-x86)'],
 },
}
```

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```
{
 'variables': {
   'openssl_defines_BSD-x86_64': [
     'NDEBUG',
     'L_ENDIAN',
     'OPENSSL_BUILDING_OPENSSL',
     'AES_ASM',
     'BSAES_ASM',
     'CMLL_ASM',
     'ECP_NISTZ256_ASM',
     'GHASH_ASM',
     'KECCAK1600_ASM',
     'MD5_ASM',
     'OPENSSL_BN_ASM_GF2m',
     'OPENSSL_BN_ASM_MONT',
     'OPENSSL_BN_ASM_MONT5',
     'OPENSSL_CPUID_OBJ',
     'OPENSSL_IA32_SSE2',
     'PADLOCK_ASM',
     'POLY1305_ASM',
     'RC4_ASM',
     'SHA1_ASM',
     'SHA256_ASM',
     'SHA512_ASM',
     'VPAES_ASM',
     'WHIRLPOOL_ASM',
     'X25519_ASM',
     'OPENSSL_PIC',
   ],
   'openssl_cflags_BSD-x86_64': [
     '-Wa,--noexecstack',
     '-Wall -O3',
     '-pthread',
     '-Wall -O3',
   ],
   'openssl_ex_libs_BSD-x86_64': [
     '-pthread',
   ],
   'openssl_cli_srcs_BSD-x86_64': [
```

'openssl/apps/lib/cmp_mock_srv.c',
'openssl/apps/asn1parse.c',
'openssl/apps/ca.c',
'openssl/apps/ciphers.c',
'openssl/apps/cmp.c',

'openssl/apps/cms.c',
'openssl/apps/crl.c',
'openssl/apps/crl2pkcs7.c',
'openssl/apps/dgst.c',
'openssl/apps/dhparam.c',
'openssl/apps/dsa.c',
'openssl/apps/dsaparam.c',
'openssl/apps/ec.c',
'openssl/apps/ecparam.c',
'openssl/apps/enc.c',
'openssl/apps/engine.c',
'openssl/apps/errstr.c',
'openssl/apps/fipsinstall.c',
'openssl/apps/gendsa.c',
'openssl/apps/genpkey.c',
'openssl/apps/genrsa.c',
'openssl/apps/info.c',
'openssl/apps/kdf.c',
'openssl/apps/list.c',
'openssl/apps/mac.c',
'openssl/apps/nseq.c',
'openssl/apps/ocsp.c',
'openssl/apps/openssl.c',
'openssl/apps/passwd.c',
'openssl/apps/pkcs12.c',
'openssl/apps/pkcs7.c',
'openssl/apps/pkcs8.c',
'openssl/apps/pkey.c',
'openssl/apps/pkeyparam.c',
'openssl/apps/pkeyutl.c',
'openssl/apps/prime.c',
'./config/archs/BSD-x86_64/asm_avx2/apps/progs.c',

'openssl/apps/rand.c',
'openssl/apps/rehash.c',
'openssl/apps/req.c',
'openssl/apps/rsa.c',
'openssl/apps/rsautl.c',
'openssl/apps/s_client.c',
'openssl/apps/s_server.c',
'openssl/apps/s_time.c',
'openssl/apps/sess_id.c',

```
    'openssl/apps/smime.c',
    'openssl/apps/speed.c',
    'openssl/apps/spkac.c',
    'openssl/apps/srp.c',
    'openssl/apps/storeutl.c',
    'openssl/apps/ts.c',
    'openssl/apps/verify.c',
    'openssl/apps/version.c',
    'openssl/apps/x509.c',
    'openssl/apps/lib/app_libctx.c',
    'openssl/apps/lib/app_params.c',
    'openssl/apps/lib/app_provider.c',
    'openssl/apps/lib/app_rand.c',
    'openssl/apps/lib/app_x509.c',
    'openssl/apps/lib/apps.c',
    'openssl/apps/lib/apps_ui.c',
    'openssl/apps/lib/columns.c',
    'openssl/apps/lib/engine.c',
    'openssl/apps/lib/engine_loader.c',
    'openssl/apps/lib/fmt.c',
    'openssl/apps/lib/http_server.c',
    'openssl/apps/lib/names.c',
     'openssl/apps/lib/opt.c',
    'openssl/apps/lib/s_cb.c',
    'openssl/apps/lib/s_socket.c',
    'openssl/apps/lib/tlssrp_depr.c',
  ],
 },
 'defines': ['<@(openssl_defines_BSD-x86_64)'],
 'include_dirs': [
  './include',
 ],
 'cflags' : ['<@(openssl_cflags_BSD-x86_64)'],
 'libraries': ['<@(openssl_ex_libs_BSD-x86_64)'],
 'sources': ['<@(openssl_cli_srcs_BSD-x86_64)'],
}
```

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  'openssl/providers/implementations/digests/digestcommon.c',
  'openssl/ssl/record/tls_pad.c',
  'openssl/providers/fips/fips_entry.c',

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  './config/archs/BSD-x86/asm_avx2/crypto/aes/vpaes-x86.S',
  './config/archs/BSD-x86/asm_avx2/crypto/bf/bf-586.S',
  './config/archs/BSD-x86/asm_avx2/crypto/bn/bn-586.S',
  './config/archs/BSD-x86/asm_avx2/crypto/bn/co-586.S',
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    'GHASH_ASM',
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    'OPENSSL_BN_ASM_MONT',
    'OPENSSL_BN_ASM_PART_WORDS',
    'OPENSSL_CPUID_OBJ',
    'OPENSSL_IA32_SSE2',
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    'SHA256_ASM',
    'SHA512_ASM',
    'VPAES_ASM',
    'FIPS_MODULE',
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  ],
  'linker_script': ''
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  './crypto',
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  './providers/common/include',
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  assembler-ia32.cc, assembler-ia32.h, assembler-x64-inl.h,
  assembler-x64.cc, assembler-x64.h, assembler.cc and assembler.h.
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```
{
  global:
      OSSL_provider_init;
  local: *;
};
```

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  './crypto',
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console.log('ok');
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'openssl/providers/implementations/kdfs/kbkdf.c',
'openssl/providers/implementations/kdfs/pbkdf2.c',
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'openssl/providers/implementations/kdfs/sshkdf.c',
'openssl/providers/implementations/kdfs/sskdf.c',
'openssl/providers/implementations/kdfs/tls1_prf.c',
'openssl/providers/implementations/kdfs/x942kdf.c',
'openssl/providers/implementations/kem/rsa_kem.c',

'openssl/providers/implementations/keymgmt/dh_kmgmt.c',
'openssl/providers/implementations/keymgmt/dsa_kmgmt.c',
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'openssl/providers/implementations/signature/rsa_sig.c',
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    'openssl/providers/implementations/ciphers/ciphercommon_gcm_hw.c',
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    'openssl/providers/implementations/digests/digestcommon.c',
    'openssl/ssl/record/tls_pad.c',
    'openssl/providers/fips/fips_entry.c',

  ],
  'openssl_sources_BSD-x86_64': [
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    './config/archs/BSD-x86_64/no-asm/providers/common/der/der_digests_gen.c',
    './config/archs/BSD-x86_64/no-asm/providers/common/der/der_dsa_gen.c',
    './config/archs/BSD-x86_64/no-asm/providers/common/der/der_ec_gen.c',
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     './config/archs/BSD-x86_64/no-asm/providers/legacy.ld',
    './config/archs/BSD-x86_64/no-asm/providers/fips.ld',

  ],
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  'linker_script': ''
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  './crypto',
  './crypto/include/internal',
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 'direct_dependent_settings': {
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  'openssl/providers/implementations/ciphers/ciphercommon_hw.c',
  'openssl/providers/implementations/digests/digestcommon.c',
  'openssl/ssl/record/tls_pad.c',
  'openssl/providers/fips/fips_entry.c',

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  './config/archs/BSD-x86_64/asm_avx2/crypto/aes/aesni-mb-x86_64.s',
  './config/archs/BSD-x86_64/asm_avx2/crypto/aes/aesni-sha1-x86_64.s',
  './config/archs/BSD-x86_64/asm_avx2/crypto/aes/aesni-sha256-x86_64.s',
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  './config/archs/BSD-x86_64/asm_avx2/crypto/bn/rsaz-avx2.s',
   './config/archs/BSD-x86_64/asm_avx2/crypto/bn/rsaz-avx512.s',
  './config/archs/BSD-x86_64/asm_avx2/crypto/bn/rsaz-x86_64.s',
  './config/archs/BSD-x86_64/asm_avx2/crypto/bn/x86_64-gf2m.s',
  './config/archs/BSD-x86_64/asm_avx2/crypto/bn/x86_64-mont.s',
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  './config/archs/BSD-x86_64/asm_avx2/crypto/chacha/chacha-x86_64.s',
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  './config/archs/BSD-x86_64/asm_avx2/providers/common/der/der_digests_gen.c',
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  'OPENSSL_BUILDING_OPENSSL',
  'AES_ASM',
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  'ECP_NISTZ256_ASM',
  'FIPS_MODULE',
  'GHASH_ASM',
  'KECCAK1600_ASM',
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    'OPENSSL_BN_ASM_GF2m',
    'OPENSSL_BN_ASM_MONT',
    'OPENSSL_BN_ASM_MONT5',
    'OPENSSL_CPUID_OBJ',
    'OPENSSL_IA32_SSE2',
    'SHA1_ASM',
    'SHA256_ASM',
    'SHA512_ASM',
    'VPAES_ASM',
    'X25519_ASM',
    'FIPS_MODULE',
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    '-Wall -O3',
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  'openssl_ex_libs_BSD-x86_64': [
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  './crypto/include/internal',
  './providers/common/include',
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 'libraries': ['<@(openssl_ex_libs_BSD-x86_64)'],

 'sources': ['<@(openssl_sources)', '<@(openssl_sources_BSD-x86_64)'],
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  'defines': ['<@(openssl_defines_BSD-x86_64)'],
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}
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Written by: Philip Hazel
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1.7981 x-sys 0.30.0

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1.7982 x-sync 0.11.0

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1.7983 protobuf-go 1.36.5

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1.7984 protobuf 1.36.5

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1.7985 go-auth-oauth2adapt 0.2.2

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```
// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
//  protoc-gen-go v1.32.0
//  protoc        v4.25.2
// source: google/ai/generativelanguage/v1beta/permission.proto

package generativelanguagepb

import (
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
)

const
 (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Defines types of the grantee of this permission.
type Permission_GranteeType int32

const (
 // The default value. This value is unused.
 Permission_GRANTEE_TYPE_UNSPECIFIED Permission_GranteeType = 0
 // Represents a user. When set, you must provide email_address for the user.
 Permission_USER Permission_GranteeType = 1
 // Represents a group. When set, you must provide email_address for the
 // group.
 Permission_GROUP Permission_GranteeType = 2
 // Represents access to everyone. No extra information is required.
 Permission_EVERYONE Permission_GranteeType = 3
)

// Enum value maps for Permission_GranteeType.
var (
 Permission_GranteeType_name = map[int32]string{
  0: "GRANTEE_TYPE_UNSPECIFIED",
  1: "USER",
  2:
 "GROUP",
  3: "EVERYONE",
```

```
 }
 Permission_GranteeType_value = map[string]int32{
  "GRANTEE_TYPE_UNSPECIFIED": 0,
  "USER":                     1,
  "GROUP":                    2,
  "EVERYONE":                 3,
 }
)

func (x Permission_GranteeType) Enum() *Permission_GranteeType {
 p := new(Permission_GranteeType)
 *p = x
 return p
}

func (x Permission_GranteeType) String() string {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_GranteeType) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0].Descriptor()
}

func (Permission_GranteeType) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0]
}

func (x Permission_GranteeType) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_GranteeType.Descriptor instead.
func (Permission_GranteeType) EnumDescriptor() ([]byte,
 []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 0}
}

// Defines the role granted by this permission.
type Permission_Role int32

const (
 // The default value. This value is unused.
 Permission_ROLE_UNSPECIFIED Permission_Role = 0
 // Owner can use, update, share and delete the resource.
 Permission_OWNER Permission_Role = 1
 // Writer can use, update and share the resource.
 Permission_WRITER Permission_Role = 2
 // Reader can use the resource.
```

```
 Permission_READER Permission_Role = 3
)

// Enum value maps for Permission_Role.
var (
 Permission_Role_name = map[int32]string{
  0: "ROLE_UNSPECIFIED",
  1: "OWNER",
  2: "WRITER",
  3: "READER",
 }
 Permission_Role_value = map[string]int32{
  "ROLE_UNSPECIFIED": 0,
  "OWNER":            1,
  "WRITER":           2,
  "READER":           3,
 }
)

func (x Permission_Role) Enum() *Permission_Role {
 p := new(Permission_Role)
 *p = x
 return p
}

func (x Permission_Role) String() string {
 return
 protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_Role) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1].Descriptor()
}

func (Permission_Role) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1]
}

func (x Permission_Role) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_Role.Descriptor instead.
func (Permission_Role) EnumDescriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 1}
}

// Permission resource grants user, group or the rest of the world access to the
```

```
// PaLM API resource (e.g. a tuned model, corpus).
//
// A role is a collection of permitted operations that allows users to perform
// specific actions on PaLM API resources. To make them available to users,
// groups, or service accounts,
 you assign roles. When you assign a role, you
// grant permissions that the role contains.
//
// There are three concentric roles. Each role is a superset of the previous
// role's permitted operations:
//
// - reader can use the resource (e.g. tuned model, corpus) for inference
// - writer has reader's permissions and additionally can edit and share
// - owner has writer's permissions and additionally can delete
type Permission struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Output only. Identifier. The permission name. A unique name will be
 // generated on create. Examples:
 //
 // tunedModels/{tuned_model}/permissions/{permission}
 // corpora/{corpus}/permissions/{permission}
 //
 // Output only.
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Optional. Immutable. The type of the grantee.
 GranteeType *Permission_GranteeType
`protobuf:"varint,2,opt,name=grantee_type,json=granteeType,proto3,enum=google.ai.generativelanguage.v1beta.Pe
rmission_GranteeType,oneof"
 json:"grantee_type,omitempty"`
 // Optional. Immutable. The email address of the user of group which this
 // permission refers. Field is not set when permission's grantee type is
 // EVERYONE.
 EmailAddress *string `protobuf:"bytes,3,opt,name=email_address,json=emailAddress,proto3,oneof"
json:"email_address,omitempty"`
 // Required. The role granted by this permission.
 Role *Permission_Role
`protobuf:"varint,4,opt,name=role,proto3,enum=google.ai.generativelanguage.v1beta.Permission_Role,oneof"
json:"role,omitempty"`
}

func (x *Permission) Reset() {
 *x = Permission{}
 if protoimpl.UnsafeEnabled {
  mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
```

```
  ms.StoreMessageInfo(mi)
 }
}

func (x *Permission) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*Permission) ProtoMessage() {}

func (x *Permission)
 ProtoReflect() protoreflect.Message {
 mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
 if protoimpl.UnsafeEnabled && x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use Permission.ProtoReflect.Descriptor instead.
func (*Permission) Descriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0}
}

func (x *Permission) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *Permission) GetGranteeType() Permission_GranteeType {
 if x != nil && x.GranteeType != nil {
  return *x.GranteeType
 }
 return Permission_GRANTEE_TYPE_UNSPECIFIED
}

func (x *Permission) GetEmailAddress() string {
 if x != nil && x.EmailAddress != nil {
  return *x.EmailAddress
 }
 return ""
}
```

```
func (x *Permission) GetRole() Permission_Role {
 if x != nil && x.Role
 != nil {
  return *x.Role
 }
 return Permission_ROLE_UNSPECIFIED
}

var File_google_ai_generativelanguage_v1beta_permission_proto protoreflect.FileDescriptor

var file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = []byte{
 0x0a, 0x34, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x23, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x1a, 0x1f, 0x67, 0x6f, 0x6f,
 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x62, 0x65,
 0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a,
 0x19, 0x67, 0x6f,
 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75, 0x72, 0x63,
 0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0x85, 0x05, 0x0a, 0x0a, 0x50, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x1a, 0x0a, 0x04, 0x6e, 0x61, 0x6d, 0x65, 0x18, 0x01,
 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x03, 0xe0, 0x41, 0x08, 0x52, 0x04, 0x6e, 0x61,
 0x6d, 0x65, 0x12, 0x6b, 0x0a, 0x0c, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f, 0x74, 0x79,
 0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0e, 0x32, 0x3b, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c,
 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65,
 0x65, 0x54, 0x79, 0x70, 0x65, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x00, 0x52,
 0x0b, 0x67,
 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x88, 0x01, 0x01, 0x12,
 0x30, 0x0a, 0x0d, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73,
 0x18, 0x03, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x01,
 0x52, 0x0c, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x41, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73, 0x88, 0x01,
 0x01, 0x12, 0x52, 0x0a, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x18, 0x04, 0x20, 0x01, 0x28, 0x0e, 0x32,
 0x34, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x52, 0x6f, 0x6c, 0x65, 0x42, 0x03, 0xe0, 0x41, 0x02, 0x48, 0x02, 0x52, 0x04, 0x72, 0x6f,
 0x6c, 0x65, 0x88, 0x01, 0x01, 0x22, 0x4e, 0x0a, 0x0b, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65,
 0x54, 0x79, 0x70, 0x65, 0x12, 0x1c, 0x0a,
 0x18, 0x47, 0x52, 0x41, 0x4e, 0x54, 0x45, 0x45, 0x5f,
 0x54, 0x59, 0x50, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45, 0x44,
 0x10, 0x00, 0x12, 0x08, 0x0a, 0x04, 0x55, 0x53, 0x45, 0x52, 0x10, 0x01, 0x12, 0x09, 0x0a, 0x05,
 0x47, 0x52, 0x4f, 0x55, 0x50, 0x10, 0x02, 0x12, 0x0c, 0x0a, 0x08, 0x45, 0x56, 0x45, 0x52, 0x59,
 0x4f, 0x4e, 0x45, 0x10, 0x03, 0x22, 0x3f, 0x0a, 0x04, 0x52, 0x6f, 0x6c, 0x65, 0x12, 0x14, 0x0a,
```

```
 0x10, 0x52, 0x4f, 0x4c, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45,
 0x44, 0x10, 0x00, 0x12, 0x09, 0x0a, 0x05, 0x4f, 0x57, 0x4e, 0x45, 0x52, 0x10, 0x01, 0x12, 0x0a,
 0x0a, 0x06, 0x57, 0x52, 0x49, 0x54, 0x45, 0x52, 0x10, 0x02, 0x12, 0x0a, 0x0a, 0x06, 0x52, 0x45,
 0x41, 0x44, 0x45, 0x52, 0x10, 0x03, 0x3a, 0xaa, 0x01, 0xea, 0x41, 0xa6, 0x01, 0x0a, 0x2c, 0x67,
 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67,
 0x65, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73,
 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x32, 0x74, 0x75, 0x6e,
 0x65, 0x64, 0x4d, 0x6f, 0x64, 0x65, 0x6c, 0x73, 0x2f, 0x7b, 0x74, 0x75, 0x6e, 0x65, 0x64, 0x5f,
 0x6d, 0x6f, 0x64, 0x65, 0x6c, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f,
 0x6e, 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x12,
 0x29, 0x63, 0x6f, 0x72, 0x70, 0x6f, 0x72, 0x61, 0x2f, 0x7b, 0x63, 0x6f, 0x72, 0x70, 0x75, 0x73,
 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x2f, 0x7b, 0x70,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x2a, 0x0b, 0x70, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x32, 0x0a, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73,
 0x69, 0x6f, 0x6e, 0x42, 0x0f, 0x0a, 0x0d, 0x5f, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f,
 0x74, 0x79, 0x70, 0x65, 0x42, 0x10, 0x0a, 0x0e, 0x5f, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61,
 0x64,
 0x64, 0x72, 0x65, 0x73, 0x73, 0x42, 0x07, 0x0a, 0x05, 0x5f, 0x72, 0x6f, 0x6c, 0x65, 0x42,
 0x9b, 0x01, 0x0a, 0x27, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x42, 0x0f, 0x50, 0x65, 0x72,
 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x50, 0x01, 0x5a, 0x5d,
 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x67, 0x6f, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76,
 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x76, 0x31, 0x62,
 0x65, 0x74, 0x61, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61,
 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x3b, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74,
 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e,
 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x62, 0x06, 0x70,
 0x72, 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce sync.Once
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc
)

func file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP() []byte {
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce.Do(func() {
  file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData)
 })
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData
}

var file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes = make([]protoimpl.EnumInfo, 2)
```

```
var file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes = make([]protoimpl.MessageInfo, 1)
var file_google_ai_generativelanguage_v1beta_permission_proto_goTypes
 = []interface{}{
 (Permission_GranteeType)(0), // 0: google.ai.generativelanguage.v1beta.Permission.GranteeType
 (Permission_Role)(0),        // 1: google.ai.generativelanguage.v1beta.Permission.Role
 (*Permission)(nil),          // 2: google.ai.generativelanguage.v1beta.Permission
}
var file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = []int32{
 0, // 0: google.ai.generativelanguage.v1beta.Permission.grantee_type:type_name ->
google.ai.generativelanguage.v1beta.Permission.GranteeType
 1, // 1: google.ai.generativelanguage.v1beta.Permission.role:type_name ->
google.ai.generativelanguage.v1beta.Permission.Role
 2, // [2:2] is the sub-list for method output_type
 2, // [2:2] is the sub-list for method input_type
 2, // [2:2] is the sub-list for extension type_name
 2, // [2:2] is the sub-list for extension extendee
 0, // [0:2] is the sub-list for field type_name
}

func init() { file_google_ai_generativelanguage_v1beta_permission_proto_init()
 }
func file_google_ai_generativelanguage_v1beta_permission_proto_init() {
 if File_google_ai_generativelanguage_v1beta_permission_proto != nil {
  return
 }
 if !protoimpl.UnsafeEnabled {
  file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].Exporter = func(v interface{}, i int)
interface{} {
   switch v := v.(*Permission); i {
   case 0:
    return &v.state
   case 1:
    return &v.sizeCache
   case 2:
    return &v.unknownFields
   default:
    return nil
   }
  }
 }
 file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].OneofWrappers = []interface{}{}
 type x struct{}
 out := protoimpl.TypeBuilder{
  File: protoimpl.DescBuilder{
   GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
   RawDescriptor: file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc,
   NumEnums:      2,
   NumMessages:   1,
```

```
  NumExtensions: 0,
  NumServices:   0,
 },
 GoTypes:          file_google_ai_generativelanguage_v1beta_permission_proto_goTypes,
 DependencyIndexes:
file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs,
 EnumInfos:         file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes,
 MessageInfos:      file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes,
}.Build()
File_google_ai_generativelanguage_v1beta_permission_proto = out.File
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = nil
file_google_ai_generativelanguage_v1beta_permission_proto_goTypes = nil
file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = nil
}

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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute_test

import (
 "context"
```

```
 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
 "google.golang.org/api/iterator"
)

func ExampleNewLicensesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will
 require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicensesClient_Delete() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.DeleteLicenseRequest{
  //
 TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
 }
 op, err := c.Delete(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
```

```
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
 }
 resp,
 err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetIamPolicyLicenseRequest.
 }
```

```
 resp, err := c.GetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_Insert()
 {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.InsertLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
 }
 op, err := c.Insert(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_List() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template
 only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
```

```
 }
 defer c.Close()

 req := &computepb.ListLicensesRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
 }
 it := c.List(ctx, req)
 for {
  resp, err := it.Next()
  if err == iterator.Done {
   break
  }
  if err != nil {
   // TODO: Handle error.
  }
  // TODO: Use resp.
  _ = resp

  // If you need to access the underlying RPC response,
  // you can do so by casting the `Response` as below.
  // Otherwise, remove this line. Only populated after
  // first call to Next(). Not safe for concurrent access.
  _ = it.Response.(*computepb.LicensesListResponse)
 }
}

func
 ExampleLicensesClient_SetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.SetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
 }
 resp, err := c.SetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
```

```
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically
 generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
 }
 resp, err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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package compute_test
```

```
import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleNewLicenseCodesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 //
 - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicenseCodesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseCodeRequest{
  // TODO: Fill request
 struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
 }
 resp, err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
```

```
 _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseCodeRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
 }
 resp,
 err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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package compute

import (
 "bytes"
```

```
 "context"
 "fmt"
 "io"
 "math"
 "net/http"
 "net/url"
 "time"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/googleapi"
 "google.golang.org/api/iterator"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport
 "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/protobuf/encoding/protojson"
 "google.golang.org/protobuf/proto"
)

var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
 Delete            []gax.CallOption
 Get               []gax.CallOption
 GetIamPolicy      []gax.CallOption
 Insert            []gax.CallOption
 List              []gax.CallOption
 SetIamPolicy      []gax.CallOption
 TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
 return &LicensesCallOptions{
  Delete: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  Get: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
```

```
    http.StatusServiceUnavailable)
   }),
  },
  GetIamPolicy:
 []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  Insert: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  List: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  SetIamPolicy: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  TestIamPermissions: []gax.CallOption{
   gax.WithTimeout(600000
 * time.Millisecond),
  },
 }
}

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
 Close() error
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
 Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
 Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
```

```
 GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
 List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
 SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse,
 error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicensesClient

 // The call options for this service.
 CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
 return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

//
 Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
}
```

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
 return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption) (*computepb.License, error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy
 for a resource. May be empty if no such policy or resource exists. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
 return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
 list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
 return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is intended for use

```
 only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // operationClient is used to call the operation-specific management service.
 operationClient *GlobalOperationsClient

 // The x-goog-* headers to be sent with each request.
 xGoogHeaders []string

 // Points back to the CallOptions field of the containing LicensesClient
 CallOptions **LicensesCallOptions
}

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx
 context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
 clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicensesRESTCallOptions()
 c := &licensesRESTClient{
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
 }
 c.setGoogleClientInfo()

 o := []option.ClientOption{
  option.WithHTTPClient(httpClient),
  option.WithEndpoint(endpoint),
```

```
 }
 opC, err := NewGlobalOperationsRESTClient(ctx, o...)
 if err != nil {
  return nil, err
 }
 c.operationClient = opC

 return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultEndpointTemplate("https://compute.UNIVERSE_DOMAIN"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultUniverseDomain("googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
 }
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogHeaders = []string{"x-goog-api-client", gax.XGoogHeader(kv...)}
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
 // Replace httpClient with nil to force cleanup.
 c.httpClient = nil
 if err := c.operationClient.Close();
 err != nil {
  return err
 }
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
 return nil
```

```
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v",
 "project", url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
```

```
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if
err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense()))}

 hds
 = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.License{}
```

```
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return
 err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
```

```
req.GetResource())

 params := url.Values{}
 if req != nil && req.OptionsRequestedPolicyVersion != nil {
  params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params",
 fmt.Sprintf("%s=%v&%s=%v", "project", url.QueryEscape(req.GetProject()), "resource",
url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf,
 err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }
```

```
 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetLicenseResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery
 = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v", "project", url.QueryEscape(req.GetProject()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
```

```
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if
err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}
```

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-

cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```
func (c *licensesRESTClient) List(ctx context.Context, req *computepb.ListLicensesRequest,
 opts ...gax.CallOption) *LicenseIterator {
 it := &LicenseIterator{}
 req = proto.Clone(req).(*computepb.ListLicensesRequest)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
  resp := &computepb.LicensesListResponse{}
  if pageToken != "" {
   req.PageToken = proto.String(pageToken)
  }
  if pageSize > math.MaxInt32 {
   req.MaxResults = proto.Uint32(math.MaxInt32)
  } else if pageSize != 0 {
   req.MaxResults = proto.Uint32(uint32(pageSize))
  }
  baseUrl, err := url.Parse(c.endpoint)
  if err != nil {
   return nil, "", err
  }
  baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

  params := url.Values{}
  if req != nil && req.Filter != nil {
   params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
  }
  if req != nil && req.MaxResults != nil {
   params.Add("maxResults", fmt.Sprintf("%v", req.GetMaxResults()))
  }
  if
 req != nil && req.OrderBy != nil {
   params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
  }
  if req != nil && req.PageToken != nil {
   params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
  }
  if req != nil && req.ReturnPartialSuccess != nil {
   params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
  }

  baseUrl.RawQuery = params.Encode()

  // Build HTTP headers from client and context metadata.
  hds := append(c.xGoogHeaders, "Content-Type", "application/json")
  headers := gax.BuildHeaders(ctx, hds...)
  e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
   if settings.Path != "" {
```

```
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
 if err != nil {
  return err
 }
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err
= googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, "", e
}
it.Response = resp
return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
 items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
 if err != nil {
  return "", err
 }
 it.items = append(it.items, items...)
 return nextPageToken, nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
```

```
 it.pageInfo.Token = req.GetPageToken()

 return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud
 Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetGlobalSetPolicyRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
 opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
```

```
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource
 is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}
```

```
 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx,
 hds...)
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return
 nil, e
 }
 return resp, nil
}
```

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1.7986 libunwind 1.6.2-3build1.1

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1.7987 libc-dev 2.39-0ubuntu8.4

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1.7988 zstd-jni 1.5.6-3

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Manifest-Version: 1.0
Specification-Title: zstd-jni
Specification-Version: 1.5.6-3
Specification-Vendor: com.github.luben
Implementation-Title: zstd-jni
Implementation-Version: 1.5.6-3
Implementation-Vendor: com.github.luben
Implementation-Vendor-Id: com.github.luben
Automatic-Module-Name: com.github.luben.zstd_jni
Bnd-LastModified: 1713920782201
Bundle-Name: zstd-jni
Bundle-SymbolicName: com.github.luben.zstd-jni
Bundle-Description: JNI bindings for Zstd native library that provides f
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Bundle-NativeCode: darwin/x86_64/libzstd-jni-1.5.6-3.dylib;osname=MacOS;
osname=MacOSX;processor=x86_64,darwin/aarch64/libzstd-jni-1.5.6-3.dylib
;osname=MacOS;osname=MacOSX;processor=aarch64,freebsd/amd64/libzstd-jni
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bzstd-jni-1.5.6-3.dll;osname=Win32;processor=amd64,win/aarch64/libzstd-
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6-3.dll;osname=Win32;processor=x86
Export-Package:

com.github.luben.zstd;version="1.5.6.3",com.github.luben
.zstd.util;version="1.5.6.3"
Import-Package: org.osgi.framework;resolution:=optional
Private-Package: darwin.aarch64,darwin.x86_64,freebsd.amd64,freebsd.i386
,linux.aarch64,linux.amd64,linux.arm,linux.i386,linux.loongarch64,linux
.mips64,linux.ppc64,linux.ppc64le,linux.riscv64,linux.s390x,win.aarch64
,win.amd64,win.x86
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version>=1.8))"

Found in path(s):
* /opt/cola/permits/2346699540_1738952075.048857/0/zstd-jni-1-5-6-3-3-jar/META-INF/MANIFEST.MF

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
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0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
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2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see https://opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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- Chris McDonough, 2011/02/16
- Wichert Akkerman, 2012/02/02

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A. HISTORY OF THE SOFTWARE
==========

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for

National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes

2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
2.7	2.6	2010	PSF	yes

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

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2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
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2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
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2.5	2.4	2006	PSF	yes
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2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
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1.7998 x-crypto 0.33.0

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1.7999 protobuf 1.5.3

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1.8000 protobuf-go 1.31.0

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1.8001 zstd 1.5.2

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1.8002 mergo 0.3.11

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import: ../../../../fossene/db/schema/thing.yml
fields:
  site: string
  author: root

1.8003 busybox 1.37.0-r14

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1.8004 x-net 0.35.0

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1.8005 nginx 1.27.4

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1.8006 github.com/jackc/pgx/v5 5.7.2

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1.8007 openssl 3.4.1

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Appendix: How to Apply These Terms to Your New Programs

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terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
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program `Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

The "Artistic License"

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The End

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Version 2, June 1991

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[This is the first released version of the library GPL. It is
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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work, in isolation, is not a derivative work of the Library, and
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Section 6 states terms for distribution of such executables.

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that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small
inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or
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library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
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Miscellaneous files. These files were written by Ian Murdock
<imurdock@debian.org> and Bruce Perens <bruce@pixar.com>.

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1.8009 openssl 3.3.3-r0

1.8009.1 Available under license :

```
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1.8014 libdrm-common 2.4.122-1~ubuntu0.24.04.1

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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/radeon/radeon_ttm.c
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/amdgpu/bo_tests.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/amdgpu/cs_tests.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/amdgpu/amdgpu_test.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/amdgpu/amdgpu_test.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/util_math.h
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```
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*   Gareth Hughes <gareth@valinux.com>
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/include/drm/amdgpu_drm.h
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/* xf86drmRandom.c -- "Minimal Standard" PRNG Implementation
* Created: Mon Apr 19 08:28:13 1999 by faith@precisioninsight.com
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*
* Authors: Rickard E. (Rik) Faith <faith@valinux.com>
*
* DESCRIPTION
*
* This file contains a simple, straightforward implementation of the Park
* & Miller "Minimal Standard" PRNG [PM88, PMS93], which is a Lehmer
* multiplicative linear congruential generator (MLCG) with a period of
* 2^31-1.
*

```
* This implementation is intended to provide a reliable, portable PRNG
* that is suitable for testing a hash table implementation and for
* implementing skip lists.
*
* FUTURE ENHANCEMENTS
*
* If initial seeds are not selected randomly, two instances of the PRNG
* can be correlated.
  [Knuth81, pp. 32-33] describes a shuffling technique
* that can eliminate this problem.
*
* If PRNGs are used for simulation, the period of the current
* implementation may be too short.  [LE88] discusses methods of combining
* MLCGs to produce much longer periods, and suggests some alternative
* values for A and M.  [LE90 and Sch92] also provide information on
* long-period PRNGs.
*
* REFERENCES
*
* [Knuth81] Donald E. Knuth. The Art of Computer Programming.  Volume 2:
* Seminumerical Algorithms.  Reading, Massachusetts: Addison-Wesley, 1981.
*
* [LE88] Pierre L'Ecuyer. "Efficient and Portable Combined Random Number
* Generators".  CACM 31(6), June 1988, pp. 742-774.
*
* [LE90] Pierre L'Ecuyer. "Random Numbers for Simulation". CACM 33(10,
* October 1990, pp. 85-97.
*
* [PM88] Stephen K. Park and Keith W. Miller. "Random Number Generators:
* Good Ones are Hard to Find". CACM 31(10), October 1988, pp. 1192-1201.
*
* [Sch92] Bruce Schneier. "Pseudo-Ransom Sequence
 Generator for 32-Bit
* CPUs".  Dr. Dobb's Journal 17(2), February 1992, pp. 34, 37-38, 40.
*
* [PMS93] Stephen K. Park, Keith W. Miller, and Paul K. Stockmeyer.  In
* "Technical Correspondence: Remarks on Choosing and Implementing Random
* Number Generators". CACM 36(7), July 1993, pp. 105-110.
*
*/
```

Found in path(s):
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/xf86drmRandom.c
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```
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* DRM based mode setting test program
```

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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/omap/omap_drm.c
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/exynos/exynos_fimg2d_perf.c
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2.4.122/radeon/radeon_bo_gem.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/radeon/radeon_bo_gem.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/radeon/radeon_bo.c
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The rules-ng-ng source files this header was generated from are:
- state.xml (18940 bytes, from 2016-09-06 14:14:12)
- common.xml (20583 bytes, from 2016-09-06 14:14:12)
- state_hi.xml (25653 bytes, from 2016-09-06 14:45:17)
- copyright.xml (1597 bytes, from 2016-09-06 14:44:16)
- state_2d.xml (51552 bytes, from 2016-09-06 14:44:16)
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/etnaviv/state_2d.xml.h
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_device.c
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/* xf86drmSL.c -- Skip list support

```
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*
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*
* DESCRIPTION
*
* This file contains a straightforward skip list implementation.n
*
* FUTURE ENHANCEMENTS
*
* REFERENCES
*
* [Pugh90] William Pugh.  Skip Lists: A Probabilistic Alternative to
* Balanced Trees. CACM 33(6), June 1990, pp. 668-676.
*
*/
```

Found in path(s):
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/xf86drmSL.c
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/freedreno/freedreno_pipe.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/freedreno/freedreno_ringbuffer.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/freedreno/freedreno_drmif.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/freedreno/freedreno_priv.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/freedreno/freedreno_device.c
*
/opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/freedreno/freedreno_ringbuffer.h
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/freedreno/msm/msm_ringbuffer.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/freedreno/kgsl/kgsl_bo.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/freedreno/msm/msm_priv.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/freedreno/kgsl/kgsl_priv.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/freedreno/msm/msm_bo.c
*
/opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/freedreno/kgsl/kgsl_pipe.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/freedreno/msm/msm_pipe.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/freedreno/msm/msm_device.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/freedreno/kgsl/kgsl_ringbuffer.c
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/amdgpu/amdgpu_vm.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/amdgpu/jpeg_tests.c
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/vbltest/meson.build
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/meson_options.txt
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/etnaviv/meson.build
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/modeprint/meson.build
*
/opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/meson.build
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/nouveau/meson.build
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/util/meson.build
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/meson.build
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/modetest/meson.build
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/meson.build
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/data/meson.build
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/etnaviv/meson.build
*

/opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/exynos/meson.build
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/man/meson.build
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/nouveau/meson.build
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/radeon/meson.build
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/omap/meson.build
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/vc4/meson.build
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tegra/meson.build
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/opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/freedreno/meson.build
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/radeon/meson.build
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/amdgpu/meson.build
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/intel/meson.build
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/radeon/radeon_cs_gem.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/radeon/radeon_bo.h
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/include/drm/vc4_drm.h
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/nouveau/abi16.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/nouveau/nouveau.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/nouveau/bufctx.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/nouveau/pushbuf.c
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/vc4/vc4_packet.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/vc4/vc4_qpu_defines.h
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/radeon/radeon_cs.h
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/modetest/buffers.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/modetest/modetest.c
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/exynos/fimg2d_reg.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/exynos/exynos_fimg2d.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/exynos/exynos_fimg2d_test.c
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/etnaviv/etnaviv_cmd_stream_test.c
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/amdgpu/vm_tests.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/amdgpu/uve_ib.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/amdgpu/deadlock_tests.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/amdgpu/syncobj_tests.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/amdgpu/uvd_enc_tests.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/amdgpu/vcn_tests.c
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/radeon/bof.h
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==========

Submitting Patches

Patches should be sent to dri-devel@lists.freedesktop.org, using git
send-email. For patches only touching driver specific code one of the driver

mailing lists (like amd-gfx@lists.freedesktop.org) is also appropriate. See git documentation for help:

http://git-scm.com/documentation

Since dri-devel is a very busy mailing list please use --subject-prefix="PATCH libdrm" to make it easier to find libdrm patches. This is best done by running

```
git config --local format.subjectprefix "PATCH libdrm"
```

The first line of a commit message should contain a prefix indicating what part is affected by the patch followed by one sentence that describes the change. For examples:

```
amdgpu: Use uint32_t i in amdgpu_find_bo_by_cpu_mapping
```

The body of the commit message should describe what the patch changes and why, and also note any particular
side effects. For a recommended reading on
writing commit messages, see:

http://who-t.blogspot.de/2009/12/on-commit-messages.html

Your patches should also include a Signed-off-by line with your name and email address. If you're not the patch's original author, you should also gather
S-o-b's by them (and/or whomever gave the patch to you.) The significance of
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We won't reject patches that lack S-o-b, but it is strongly recommended.

Review and Merging

Patches should have at least one positive review (Reviewed-by: tag) or indication of approval (Acked-by: tag) before merging. For any code shared between drivers this is mandatory.

Please note that kernel/userspace API header files
have special rules, see
include/drm/README.

Coding style in the project loosely follows the CodingStyle of the linux kernel:

https://www.kernel.org/doc/html/latest/process/coding-style.html?highlight=coding%20style

Commit Rights

Commit rights will be granted to anyone who requests them and fulfills the below criteria:

- Submitted a few (5-10 as a rule of thumb) non-trivial (not just simple spelling fixes and whitespace adjustment) patches that have been merged already. Since libdrm is just a glue library between the kernel and userspace drivers, merged patches to those components also count towards the commit criteria.

- Are actively participating on discussions about their work (on the mailing list or IRC). This should not be interpreted as a requirement to review other peoples patches but just make sure that patch submission isn't one-way communication. Cross-review is still highly encouraged.

- Will be regularly contributing further patches. This includes regular contributors to other parts of the open source graphics stack who only do the oddball rare patch within libdrm itself.

- Agrees to use their commit rights in accordance with the documented merge criteria, tools, and processes.

To apply for commit rights ("Developer" role in gitlab) send a mail to dri-devel@lists.freedesktop.org and please ping the maintainers if your request is stuck.

Committers are encouraged to request their commit rights get removed when they no longer contribute to the project. Commit rights will be reinstated when they come back to the project.

Maintainers and committers should encourage contributors to request commit rights, as especially junior contributors tend to underestimate their skills.

Code of Conduct

Please be aware the fd.o Code of Conduct also applies to libdrm:

https://www.freedesktop.org/wiki/CodeOfConduct/

See the gitlab project owners for contact details of the libdrm maintainers.

Abuse of commit

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Happy hacking!

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The release criteria for libdrm is essentially "if you need a release,
make one". There is no designated release engineer or maintainer.
Anybody is free to make a release if there's a certain feature or bug
fix they need in a released version of libdrm.

When new ioctl definitions are merged into drm-next, we will add
support to libdrm, at which point we typically create a new release.
However, this is up to whoever is driving the feature in question.

Follow these steps to release a new version of libdrm:

1) Bump the version number in meson.build. We seem to have settled for
2.4.x as the versioning scheme for libdrm, so just bump the micro
version.

2) Run `ninja -C builddir/ dist` to generate the tarballs.
Make sure that the version number of the tarball name in
builddir/meson-dist/ matches the number you bumped to. Move that
tarball to the libdrm repo root for the release script to pick
up.

3) Push the updated main branch with the bumped version number:

git push origin main

assuming the remote for the upstream libdrm repo is called origin.

4) Use the release.sh script from the xorg/util/modular repo to
upload the tarballs to the freedesktop.org download area and
create an announce email template. The script takes one argument:
the path to the libdrm checkout. So, if a checkout of modular is
at the same level than the libdrm repo:

./modular/release.sh libdrm

This copies the two tarballs to freedesktop.org and creates
libdrm-2.4.16.announce which has a detailed summary of the
changes, links to the tarballs, MD5 and SHA1 sums and pre-filled
out email headers. Fill out the blank between the email headers
and the list of changes with a brief message of what changed or
what prompted this release. Send out the email and you're done!

Found in path(s):
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/RELEASING
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/include/drm/nouveau_drm.h
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tegra/channel.c

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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/amdgpu/amdgpu_asic_id.c
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/gen_table_fourcc.py
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/xf86drmMode.h
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/ttmtest/src/xf86dristr.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/ttmtest/src/xf86dri.c
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/proptest/proptest.c
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/radeon/radeon_surface.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/radeon/radeon_surface.h
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/xf86drmRandom.h

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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/include/drm/virtgpu_drm.h
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*
* DESCRIPTION
*
* This file contains a straightforward skip list implementation.n
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*
* REFERENCES
*
* [Pugh90] William Pugh. Skip Lists: A Probabilistic Alternative to
* Balanced Trees. CACM 33(6), June 1990, pp. 668-676.
*
*/

Found in path(s):
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/drmsl.c
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/amdgpu/amdgpu_bo.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/amdgpu/amdgpu_internal.h
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/etnaviv/write_bmp.h
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_pipe.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_drmif.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/etnaviv/etnaviv_2d_test.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_priv.h
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/util/common.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/util/kms.h
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/util/pattern.c
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/amdgpu/hotunplug_tests.c
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Found in path(s):
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/intel/intel_decode.c
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Found in path(s):
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/intel/intel_bufmgr.c
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/* radeon_drm.h -- Public header for the radeon driver -*- linux-c -*-
*
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* Authors:
*   Kevin E. Martin <martin@valinux.com>
*   Gareth Hughes <gareth@valinux.com>
*   Keith Whitwell <keith@tungstengraphics.com>
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Found in path(s):
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/include/drm/radeon_drm.h
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```
/*
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*   Rob Clark <robclark@freedesktop.org>
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/freedreno/freedreno_bo_cache.c
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*   Jesse Barnes <jesse.barnes@intel.com>
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/vbltest/vbltest.c

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*/
/*
* Arm Framebuffer Compression (AFBC) modifiers
*
* AFBC is a proprietary lossless image compression protocol and format.
* It provides fine-grained random access and minimizes the amount of data
* transferred between IP blocks.
*
* AFBC has several features which may be supported and/or used, which are
* represented using bits in the modifier. Not all combinations are valid,
* and different devices or use-cases may support different combinations.
*
* Further information on the use of AFBC modifiers can be found in
* Documentation/gpu/afbc.rst
*/
/*
* Arm Fixed-Rate Compression (AFRC) modifiers
*
* AFRC is a proprietary fixed rate image compression protocol and format,
* designed to provide guaranteed bandwidth and memory footprint
* reductions
 in graphics and media use-cases.
*
* AFRC buffers consist of one or more planes, with the same components
* and meaning as an uncompressed buffer using the same pixel format.
*
* Within each plane, the pixel/luma/chroma values are grouped into
* "coding unit" blocks which are individually compressed to a
* fixed size (in bytes). All coding units within a given plane of a buffer
* store the same number of values, and have the same compressed size.
*
* The coding unit size is configurable, allowing different rates of compression.
*
* The start of each AFRC buffer plane must be aligned to an alignment granule which
* depends on the coding unit size.
*
* Coding Unit Size   Plane Alignment
* ----------------   ---------------
* 16 bytes           1024 bytes
* 24 bytes           512  bytes
* 32 bytes           2048 bytes
*
```

```
* Coding units are grouped into paging tiles. AFRC buffer dimensions must be aligned
* to a multiple of the paging tile dimensions.
* The dimensions
 of each paging tile depend on whether the buffer is optimised for
* scanline (SCAN layout) or rotated (ROT layout) access.
*
* Layout   Paging Tile Width   Paging Tile Height
* ------   -----------------   -------------------
* SCAN     16 coding units     4 coding units
* ROT      8  coding units     8 coding units
*
* The dimensions of each coding unit depend on the number of components
* in the compressed plane and whether the buffer is optimised for
* scanline (SCAN layout) or rotated (ROT layout) access.
*
* Number of Components in Plane   Layout      Coding Unit Width   Coding Unit Height
* ------------------------------   ---------   -----------------   -------------------
* 1                                SCAN        16 samples          4 samples
* Example: 16x4 luma samples in a 'Y' plane
*         16x4 chroma 'V' values, in the 'V' plane of a fully-planar YUV buffer
* ------------------------------   ---------   -----------------   -------------------
* 1
                                   ROT         8 samples           8 samples
* Example: 8x8 luma samples in a 'Y' plane
*         8x8 chroma 'V' values, in the 'V' plane of a fully-planar YUV buffer
* ------------------------------   ---------   -----------------   -------------------
* 2                                DONT CARE   8 samples           4 samples
* Example: 8x4 chroma pairs in the 'UV' plane of a semi-planar YUV buffer
* ------------------------------   ---------   -----------------   -------------------
* 3                                DONT CARE   4 samples           4 samples
* Example: 4x4 pixels in an RGB buffer without alpha
* ------------------------------   ---------   -----------------   -------------------
* 4                                DONT CARE   4 samples           4 samples
* Example: 4x4 pixels in an RGB buffer with alpha
*/
/*
* Amlogic Video Framebuffer Compression modifiers
*
* Amlogic uses a proprietary lossless image compression protocol and format
 * for their hardware video codec accelerators, either video decoders or
* video input encoders.
*
* It considerably reduces memory bandwidth while writing and reading
* frames in memory.
*
* The underlying storage is considered to be 3 components, 8bit or 10-bit
* per component YCbCr 420, single plane :
* - DRM_FORMAT_YUV420_8BIT
```

```
* - DRM_FORMAT_YUV420_10BIT
*
* The first 8 bits of the mode defines the layout, then the following 8 bits
* defines the options changing the layout.
*
* Not all combinations are valid, and different SoCs may support different
* combinations of layout and options.
*/
/*
* 64K_S is the same for GFX9/GFX10/GFX10_RBPLUS and hence has GFX9 as canonical
* version.
*/
```

Found in path(s):
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/include/drm/drm_fourcc.h
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-

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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/amdgpu/amdgpu_device.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/amdgpu/amdgpu.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/amdgpu/amdgpu_vamgr.c
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/vic.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/vic41.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/vic41.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/vic30.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/vic42.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/vic42.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/vic.c
*
/opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/host1x.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/vic-clear.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/syncpt-wait.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/syncpt-timeout.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/vic30.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/vic-flip.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/vic40.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/vic-blit.c
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/openclose.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/drm-test-tegra.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/libdrm_macros.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/drm-test.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/gr2d-fill.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/tegra/drm-test-tegra.h
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/exynos/exynos_drmif.h
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```
/* xf86drmHash.c -- Small hash table support for integer -> integer mapping
* Created: Sun Apr 18 09:35:45 1999 by faith@precisioninsight.com
*
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*
* Authors: Rickard E. (Rik) Faith <faith@valinux.com>
*
* DESCRIPTION
*
* This file contains a straightforward implementation of a fixed-sized
* hash table using self-organizing linked lists [Knuth73, pp. 398-399] for
* collision resolution.  There are two potentially interesting things
* about this implementation:
*
* 1) The table is power-of-two sized.  Prime sized tables are more
* traditional, but do not have a significant advantage over power-of-two
* sized table, especially when double hashing is not used for collision
* resolution.
*
* 2) The hash computation
```

uses a table of random integers [Hanson97,
* pp. 39-41].
*
* FUTURE ENHANCEMENTS
*
* With a table size of 512, the current implementation is sufficient for a
* few hundred keys. Since this is well above the expected size of the
* tables for which this implementation was designed, the implementation of
* dynamic hash tables was postponed until the need arises. A common (and
* naive) approach to dynamic hash table implementation simply creates a
* new hash table when necessary, rehashes all the data into the new table,
* and destroys the old table. The approach in [Larson88] is superior in
* two ways: 1) only a portion of the table is expanded when needed,
* distributing the expansion cost over several insertions, and 2) portions
* of the table can be locked, enabling a scalable thread-safe
* implementation.
*
* REFERENCES
*
* [Hanson97] David R. Hanson. C Interfaces and Implementations:
* Techniques for Creating Reusable Software. Reading, Massachusetts:
* Addison-Wesley, 1997.
*
* [Knuth73] Donald E. Knuth. The Art of Computer Programming. Volume 3:
* Sorting and Searching. Reading, Massachusetts: Addison-Wesley, 1973.
*
* [Larson88] Per-Ake Larson. "Dynamic Hash Tables". CACM 31(4), April
* 1988, pp. 446-457.
*
*/

Found in path(s):
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/xf86drmHash.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/hash.c
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/amdgpu/shader_code_gfx10.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/amdgpu/shader_code_hang.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/amdgpu/shader_code_gfx11.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/amdgpu/shader_code.h
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tests/amdgpu/shader_code_gfx9.h
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tegra/job.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tegra/pushbuf.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tegra/tegra.c
* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/tegra/private.h
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_bo_cache.c
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* /opt/cola/permits/2350931055_1739364409.9606776/0/libdrm-2-4-122-orig-tar-xz/libdrm-2.4.122/intel/intel_bufmgr_fake.c
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```
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/* mga_drm.h -- Public header for the Matrox g200/g400 driver -*- linux-c -*-
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1.8015 libdrm-amdgpu1 2.4.122-1~ubuntu0.24.04.1

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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/modetest/buffers.c
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/radeon/rbo.h
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/intel/mm.c
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Contributing to libdrm
==========

Submitting Patches

Patches should be sent to dri-devel@lists.freedesktop.org, using git
send-email. For patches only touching driver specific code one of the driver
mailing lists (like amd-gfx@lists.freedesktop.org) is also appropriate. See git
documentation for help:

http://git-scm.com/documentation

Since dri-devel is a very busy mailing list please use --subject-prefix="PATCH
libdrm" to make it easier to find libdrm patches. This is best done by running

```
git config --local format.subjectprefix "PATCH libdrm"
```

The first line of a commit message should contain a prefix indicating what part
is affected by the patch followed by one sentence that describes the change. For
examples:

```
amdgpu: Use uint32_t i in amdgpu_find_bo_by_cpu_mapping
```

The body of the commit message should describe what the patch changes and why,
and also note any particular
side effects. For a recommended reading on
writing commit messages, see:

http://who-t.blogspot.de/2009/12/on-commit-messages.html

Your patches should also include a Signed-off-by line with your name and email
address. If you're not the patch's original author, you should also gather
S-o-b's by them (and/or whomever gave the patch to you.) The significance of
this is that it certifies that you created the patch, that it was created under
an appropriate open source license, or provided to you under those terms. This
lets us indicate a chain of responsibility for the copyright status of the code.
For more details:

https://developercertificate.org/

We won't reject patches that lack S-o-b, but it is strongly recommended.

Review and Merging

Patches should have at least one positive review (Reviewed-by: tag) or
indication of approval (Acked-by: tag) before merging. For any code shared
between drivers this is mandatory.

Please note that kernel/userspace API header files
have special rules, see
include/drm/README.

Coding style in the project loosely follows the CodingStyle of the linux kernel:

https://www.kernel.org/doc/html/latest/process/coding-style.html?highlight=coding%20style

Commit Rights

Commit rights will be granted to anyone who requests them and fulfills the
below criteria:

- Submitted a few (5-10 as a rule of thumb) non-trivial (not just simple
 spelling fixes and whitespace adjustment) patches that have been merged
 already. Since libdrm is just a glue library between the kernel and userspace
 drivers, merged patches to those components also count towards the commit
 criteria.

- Are actively participating on discussions about their work (on the mailing
 list or IRC). This should not be interpreted as a requirement to review other

peoples patches but just make sure that patch submission isn't one-way
communication. Cross-review is still highly encouraged.

- Will be regularly contributing further patches. This
includes regular
contributors to other parts of the open source graphics stack who only
do the oddball rare patch within libdrm itself.

- Agrees to use their commit rights in accordance with the documented merge
criteria, tools, and processes.

To apply for commit rights ("Developer" role in gitlab) send a mail to
dri-devel@lists.freedesktop.org and please ping the maintainers if your request
is stuck.

Committers are encouraged to request their commit rights get removed when they
no longer contribute to the project. Commit rights will be reinstated when they
come back to the project.

Maintainers and committers should encourage contributors to request commit
rights, as especially junior contributors tend to underestimate their skills.

Code of Conduct

Please be aware the fd.o Code of Conduct also applies to libdrm:

https://www.freedesktop.org/wiki/CodeOfConduct/

See the gitlab project owners for contact details of the libdrm maintainers.

Abuse of commit
rights, like engaging in commit fights or willfully pushing
patches that violate the documented merge criteria, will also be handled through
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Happy hacking!

Found in path(s):
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/CONTRIBUTING.rst
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* Authors:
* Ben Widawsky <ben@bwidawsk.net>
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Found in path(s):
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/host1x.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic40.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic-flip.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic30.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic41.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic42.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic42.h
*
/opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic-clear.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic-blit.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic30.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/syncpt-timeout.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/syncpt-wait.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic41.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-

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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/amdgpu/amdgpu_gpu_info.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/amdgpu/amdgpu_internal.h

* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/amdgpu/amdgpu_bo.c
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/exynos/exynos_drmif.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/exynos/exynos_drm.c
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_device.c
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_gpu.c
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/util_math.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/cs_tests.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/amdgpu_test.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/basic_tests.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/bo_tests.c
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/radeon/radeon_bo.h
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*  Copyright 2015-2016 Collabora Ltd.
*
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/libsync.h
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```
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*    Gareth Hughes <gareth@valinux.com>
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*   Keith Whitwell <keith@tungstengraphics.com>
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Found in path(s):
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/include/drm/radeon_drm.h
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/android/gralloc_handle.h
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/intel/intel_decode.c
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/nouveau/nouveau.c

* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/nouveau/pushbuf.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/nouveau/abi16.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/nouveau/bufctx.c
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/vc4/vc4_qpu_defines.h
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/amdgpu_stress.c
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/exynos/exynos_fimg2d_event.c
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/freedreno_bo.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/freedreno_ringbuffer.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/freedreno_pipe.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/freedreno_device.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/freedreno_priv.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/freedreno_ringbuffer.h
*
 /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/freedreno_drmif.h
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/include/drm/vmwgfx_drm.h
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tegra/private.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tegra/pushbuf.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tegra/tegra.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tegra/tegra.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tegra/job.c
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*
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*   Kevin E. Martin <martin@valinux.com>
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/include/drm/r128_drm.h
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*
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/vcn_tests.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/ras_tests.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/deadlock_tests.c

* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/uve_ib.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/uvd_enc_tests.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/vm_tests.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/syncobj_tests.c
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/* xf86drmSL.c -- Skip list support
* Created: Mon May 10 09:28:13 1999 by faith@precisioninsight.com
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*
* Authors: Rickard E. (Rik) Faith <faith@valinux.com>
*
* DESCRIPTION
*
* This file contains a straightforward skip list implementation.n
*
* FUTURE ENHANCEMENTS
*
* REFERENCES
*
* [Pugh90] William Pugh. Skip Lists: A Probabilistic Alternative to
* Balanced Trees. CACM 33(6), June 1990, pp. 668-676.

*
*/

Found in path(s):
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/xf86drmSL.c
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/intel/intel_bufmgr_gem.c
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/* xf86drmHash.c -- Small hash table support for integer -> integer mapping
* Created: Sun Apr 18 09:35:45 1999 by faith@precisioninsight.com
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```
*
* Authors: Rickard E. (Rik) Faith <faith@valinux.com>
*
* DESCRIPTION
*
* This file contains a straightforward implementation of a fixed-sized
* hash table using self-organizing linked lists [Knuth73, pp. 398-399] for
* collision resolution.  There are two potentially interesting things
* about this implementation:
*
* 1) The table is power-of-two sized.  Prime sized tables are more
* traditional, but do not have a significant advantage over power-of-two
* sized table, especially when double hashing is not used for collision
* resolution.
*
* 2) The hash computation
 uses a table of random integers [Hanson97,
* pp. 39-41].
*
* FUTURE ENHANCEMENTS
*
* With a table size of 512, the current implementation is sufficient for a
* few hundred keys.  Since this is well above the expected size of the
* tables for which this implementation was designed, the implementation of
* dynamic hash tables was postponed until the need arises.  A common (and
* naive) approach to dynamic hash table implementation simply creates a
* new hash table when necessary, rehashes all the data into the new table,
* and destroys the old table.  The approach in [Larson88] is superior in
* two ways: 1) only a portion of the table is expanded when needed,
* distributing the expansion cost over several insertions, and 2) portions
* of the table can be locked, enabling a scalable thread-safe
* implementation.
*
* REFERENCES
*
* [Hanson97] David R. Hanson.  C Interfaces and Implementations:
* Techniques for Creating Reusable Software.  Reading, Massachusetts:
 * Addison-Wesley, 1997.
*
* [Knuth73] Donald E. Knuth. The Art of Computer Programming.  Volume 3:
* Sorting and Searching.  Reading, Massachusetts: Addison-Wesley, 1973.
*
* [Larson88] Per-Ake Larson. "Dynamic Hash Tables".  CACM 31(4), April
* 1988, pp. 446-457.
*
*/
```

Found in path(s):

* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/hash.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/xf86drmHash.c
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/*
* Arm Framebuffer Compression (AFBC) modifiers
*
* AFBC is a proprietary lossless image compression protocol and format.
* It provides fine-grained random access and minimizes the amount of data
* transferred between IP blocks.
*
* AFBC has several features which may be supported and/or used, which are
* represented using bits in the modifier. Not all combinations are valid,
* and different devices or use-cases may support different combinations.
*
* Further information on the use of AFBC modifiers can be found in
* Documentation/gpu/afbc.rst
*/
/*
* Arm Fixed-Rate Compression (AFRC) modifiers
*
* AFRC is a proprietary fixed rate image compression protocol and format,
* designed to provide guaranteed bandwidth and memory footprint
* reductions
```

```
 in graphics and media use-cases.
*
* AFRC buffers consist of one or more planes, with the same components
* and meaning as an uncompressed buffer using the same pixel format.
*
* Within each plane, the pixel/luma/chroma values are grouped into
* "coding unit" blocks which are individually compressed to a
* fixed size (in bytes). All coding units within a given plane of a buffer
* store the same number of values, and have the same compressed size.
*
* The coding unit size is configurable, allowing different rates of compression.
*
* The start of each AFRC buffer plane must be aligned to an alignment granule which
* depends on the coding unit size.
*
* Coding Unit Size   Plane Alignment
* ----------------   ---------------
* 16 bytes           1024 bytes
* 24 bytes           512  bytes
* 32 bytes           2048 bytes
*
* Coding units are grouped into paging tiles. AFRC buffer dimensions must be aligned
* to a multiple of the paging tile dimensions.
* The dimensions
 of each paging tile depend on whether the buffer is optimised for
* scanline (SCAN layout) or rotated (ROT layout) access.
*
* Layout   Paging Tile Width   Paging Tile Height
* ------   -----------------   ------------------
* SCAN     16 coding units     4 coding units
* ROT      8  coding units     8 coding units
*
* The dimensions of each coding unit depend on the number of components
* in the compressed plane and whether the buffer is optimised for
* scanline (SCAN layout) or rotated (ROT layout) access.
*
* Number of Components in Plane   Layout      Coding Unit Width   Coding Unit Height
* ------------------------------   ---------   -----------------   ------------------
* 1                                SCAN        16 samples          4 samples
* Example: 16x4 luma samples in a 'Y' plane
*         16x4 chroma 'V' values, in the 'V' plane of a fully-planar YUV buffer
* ------------------------------   ---------   -----------------   ------------------
* 1
                                   ROT         8 samples           8 samples
* Example: 8x8 luma samples in a 'Y' plane
*         8x8 chroma 'V' values, in the 'V' plane of a fully-planar YUV buffer
* ------------------------------   ---------   -----------------   ------------------
* 2                                DONT CARE   8 samples           4 samples
```

```
* Example: 8x4 chroma pairs in the 'UV' plane of a semi-planar YUV buffer
* ----------------------------   ---------   -----------------   ------------------
* 3                              DONT CARE   4 samples           4 samples
* Example: 4x4 pixels in an RGB buffer without alpha
* ----------------------------   ---------   -----------------   ------------------
* 4                              DONT CARE   4 samples           4 samples
* Example: 4x4 pixels in an RGB buffer with alpha
*/
/*
* Amlogic Video Framebuffer Compression modifiers
*
* Amlogic uses a proprietary lossless image compression protocol and format
 * for their hardware video codec accelerators, either video decoders or
* video input encoders.
*
* It considerably reduces memory bandwidth while writing and reading
* frames in memory.
*
* The underlying storage is considered to be 3 components, 8bit or 10-bit
* per component YCbCr 420, single plane :
* - DRM_FORMAT_YUV420_8BIT
* - DRM_FORMAT_YUV420_10BIT
*
* The first 8 bits of the mode defines the layout, then the following 8 bits
* defines the options changing the layout.
*
* Not all combinations are valid, and different SoCs may support different
* combinations of layout and options.
*/
/*
* 64K_S is the same for GFX9/GFX10/GFX10_RBPLUS and hence has GFX9 as canonical
* version.
*/
```

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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/include/drm/drm_fourcc.h
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/*
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/omap/omap_drmif.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/omap/omap_drm.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/omap/omap_drm.h
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* Eric Anholt <eric@anholt.net>
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/radeon/bof.c
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/amdgpu/amdgpu_vm.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/jpeg_tests.c
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/Android.mk
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/intel/Android.mk
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/frame.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/vce_ib.h

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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/etnaviv/write_bmp.c
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* Authors: Rickard E. (Rik) Faith <faith@valinux.com>
*
* DESCRIPTION
*
* This file contains a simple, straightforward implementation of the Park
* & Miller "Minimal Standard" PRNG [PM88, PMS93], which is a Lehmer
* multiplicative linear congruential generator (MLCG) with a period of
* 2^31-1.
*
* This implementation is intended to provide a reliable, portable PRNG
* that is suitable for testing a hash table implementation and for
* implementing skip lists.
*
* FUTURE ENHANCEMENTS
*
* If initial seeds are not selected randomly, two instances of the PRNG
* can be correlated.
  [Knuth81, pp. 32-33] describes a shuffling technique
* that can eliminate this problem.
*
* If PRNGs are used for simulation, the period of the current
* implementation may be too short.  [LE88] discusses methods of combining
* MLCGs to produce much longer periods, and suggests some alternative
* values for A and M.  [LE90 and Sch92] also provide information on
* long-period PRNGs.
*
* REFERENCES
*
* [Knuth81] Donald E. Knuth. The Art of Computer Programming.  Volume 2:
* Seminumerical Algorithms.  Reading, Massachusetts: Addison-Wesley, 1981.
*
* [LE88] Pierre L'Ecuyer. "Efficient and Portable Combined Random Number
* Generators".  CACM 31(6), June 1988, pp. 742-774.
*
* [LE90] Pierre L'Ecuyer. "Random Numbers for Simulation". CACM 33(10,
* October 1990, pp. 85-97.
*
```

```
* [PM88] Stephen K. Park and Keith W. Miller. "Random Number Generators:
* Good Ones are Hard to Find". CACM 31(10), October 1988, pp. 1192-1201.
*
* [Sch92] Bruce Schneier. "Pseudo-Ransom Sequence
 Generator for 32-Bit
* CPUs".  Dr. Dobb's Journal 17(2), February 1992, pp. 34, 37-38, 40.
*
* [PMS93] Stephen K. Park, Keith W. Miller, and Paul K. Stockmeyer.  In
* "Technical Correspondence: Remarks on Choosing and Implementing Random
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*
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/xf86drmRandom.c
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```
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*
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/amdgpu/handle_table.h
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Found in path(s):
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/include/drm/nouveau_drm.h
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Found in path(s):
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/util/kms.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/util/pattern.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/util/format.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/util/kms.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/util/pattern.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/util/format.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/util/common.h
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* Authors:
*    Christian Gmeiner <christian.gmeiner@gmail.com>
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Found in path(s):
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_priv.h

* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_pipe.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/etnaviv/etnaviv_2d_test.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_drmif.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_cmd_stream.c
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Found in path(s):
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/cp_dma_tests.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/shader_code_gfx10.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/shader_code.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/shader_code_gfx11.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/shader_code_gfx9.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/shader_code_hang.h

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*    Rob Clark <robclark@freedesktop.org>
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Found in path(s):
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/freedreno_bo_cache.c
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Found in path(s):
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/xf86drm.c
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/nouveau/threaded.c
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Found in path(s):
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tegra/channel.c
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/* amdgpu_drm.h -- Public header for the amdgpu driver -*- linux-c -*-
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*    Kevin E. Martin <martin@valinux.com>
*    Gareth Hughes <gareth@valinux.com>
*    Keith Whitwell <keith@tungstengraphics.com>
*/
```

Found in path(s):
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/include/drm/amdgpu_drm.h
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The release criteria for libdrm is essentially "if you need a release, make one". There is no designated release engineer or maintainer. Anybody is free to make a release if there's a certain feature or bug fix they need in a released version of libdrm.

When new ioctl definitions are merged into drm-next, we will add support to libdrm, at which point we typically create a new release. However, this is up to whoever is driving the feature in question.

Follow these steps to release a new version of libdrm:

1) Bump the version number in meson.build. We seem to have settled for 2.4.x as the versioning scheme for libdrm, so just bump the micro version.

2) Run `ninja -C builddir/ dist` to generate the tarballs. Make sure that the version number of the tarball name in builddir/meson-dist/ matches the number you bumped to. Move that tarball to the libdrm repo root for the release script to pick up.

3) Push the updated main branch with the bumped version number:

```
git push origin main
```

assuming the remote for the upstream libdrm repo is called origin.

4) Use the release.sh script from the xorg/util/modular repo to upload the tarballs to the freedesktop.org download area and create an announce email template. The script takes one argument: the path to the libdrm checkout. So, if a checkout of modular is at the same level than the libdrm repo:

```
./modular/release.sh libdrm
```

This copies the two tarballs to freedesktop.org and creates
libdrm-2.4.16.announce which has a detailed summary of the
changes, links to the tarballs, MD5 and SHA1 sums and pre-filled
out email headers. Fill out the blank between the email headers
and the list of changes with a brief message of what changed or
what prompted this release. Send out the email and you're done!

Found in path(s):
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/RELEASING
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Found in path(s):
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/amdgpu/amdgpu_vamgr.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/amdgpu/amdgpu.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/amdgpu/amdgpu_device.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/amdgpu/amdgpu_cs.c
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/include/drm/virtgpu_drm.h
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- state.xml (18940 bytes, from 2016-09-06 14:14:12)
- common.xml (20583 bytes, from 2016-09-06 14:14:12)
- state_hi.xml (25653 bytes, from 2016-09-06 14:45:17)
- copyright.xml (1597 bytes, from 2016-09-06 14:44:16)
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/etnaviv/state_2d.xml.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/etnaviv/state.xml.h
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/ttmtest/src/ttmtest.c
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/radeon/radeon_cs_space.c
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/ttmtest/src/xf86dristr.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/ttmtest/src/xf86dri.h
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/msm/msm_bo.c

* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/msm/msm_pipe.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/msm/msm_ringbuffer.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/kgsl/kgsl_bo.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/msm/msm_priv.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/kgsl/kgsl_pipe.c
*
/opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/kgsl/kgsl_ringbuffer.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/kgsl/kgsl_device.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/kgsl/kgsl_priv.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/msm/msm_device.c
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```
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*
* Authors: Rickard E. (Rik) Faith <faith@valinux.com>
*
* DESCRIPTION
*
* This file contains a straightforward skip list implementation.n
*
* FUTURE ENHANCEMENTS
*
* REFERENCES
*
* [Pugh90] William Pugh.  Skip Lists: A Probabilistic Alternative to
* Balanced Trees. CACM 33(6), June 1990, pp. 668-676.
*
*/
```

Found in path(s):
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/drmsl.c
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/exynos/exynos_fimg2d.c

* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/exynos/fimg2d_reg.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/exynos/exynos_fimg2d_test.c
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_bo_cache.c
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* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/etnaviv/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/meson_options.txt
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/nouveau/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/amdgpu/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/omap/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/intel/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/modeprint/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/vc4/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/man/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/nouveau/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/exynos/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/exynos/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tegra/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/proptest/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-

2.4.122/tests/util/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/data/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/radeon/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/modetest/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/radeon/meson.build
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/etnaviv/meson.build
No license file was found, but licenses were detected in source scan.

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```

Found in path(s):
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/drm-test.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/openclose.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/libdrm_macros.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/drm-test-tegra.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-

2.4.122/tests/tegra/drm-test-tegra.h
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/gr2d-fill.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/drm-test.h
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/radeon/radeon_bo_gem.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/radeon/radeon_bo.c
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/radeon/radeon_bo_gem.h
No license file was found, but licenses were detected in source scan.

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*
*/

Found in path(s):
* /opt/cola/permits/2350930881_1739364876.4532921/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/drmdevice.c

1.8016 libdrmnouveau 2.4.122-1~ubuntu0.24.04.1

1.8016.1 Available under license :

Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: AppArmor
Upstream-Contact: apparmor@lists.ubuntu.com
Source: https://launchpad.net/apparmor

Files: *
Copyright: 1998-2010 Novell/SuSE/Immunix
 2008-2014 Canonical Ltd.
License: GPL-2+

Files: changehat/pam_apparmor/*
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 2002, 2003, 2004 SuSE GmbH Nuernberg, Germany
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1.8017 libgl1-mesa-dri 24.2.8-1ubuntu1~24.04.1

1.8017.1 Available under license :

```
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libfreedreno_layout = static_library(
 'freedreno_layout',
 [
   'fd5_layout.c',
   'fd6_format_table.c',
   'fd6_layout.c',
   'fd6_view.c',
   'freedreno_layout.c',
   freedreno_xml_header_files,
 ],
 include_directories : [inc_freedreno, inc_include, inc_src],
 c_args : [no_override_init_args],
 gnu_symbol_visibility : 'hidden',
 dependencies : [idep_nir_headers, idep_mesautil],
 build_by_default : false,
)

foreach major : ['5', '6']
 test(
   'fd' + major + '_layout',
   executable(
     'fd' + major + '_layout',
     [
       'fd_layout_test.c',
       'fd' + major + '_layout_test.c',
       freedreno_xml_header_files,
```

```
    ],
    link_with: libfreedreno_layout,
    dependencies : idep_mesautil,
    include_directories: [
      inc_include,
      inc_src,
      inc_freedreno],
  ),
  suite : ['freedreno'],
)
endforeach
```

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1.8018 mesa-libgallium 24.2.8-1ubuntu1~24.04.1

1.8018.1 Available under license :

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libfreedreno_layout = static_library(
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 [
   'fd5_layout.c',
   'fd6_format_table.c',
   'fd6_layout.c',
   'fd6_view.c',
   'freedreno_layout.c',
   freedreno_xml_header_files,
 ],
 include_directories : [inc_freedreno, inc_include, inc_src],
 c_args : [no_override_init_args],
 gnu_symbol_visibility : 'hidden',
 dependencies : [idep_nir_headers, idep_mesautil],
 build_by_default : false,
)

foreach major : ['5', '6']
 test(
   'fd' + major + '_layout',
   executable(
     'fd' + major + '_layout',
     [
       'fd_layout_test.c',
       'fd' + major + '_layout_test.c',
       freedreno_xml_header_files,
     ],
     link_with: libfreedreno_layout,
     dependencies : idep_mesautil,
     include_directories: [
       inc_include,
       inc_src,
       inc_freedreno],
   ),
   suite : ['freedreno'],
 )
endforeach
```

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1.8019 libglx-mesa0 24.2.8-1ubuntu1~24.04.1

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   'fd6_format_table.c',
   'fd6_layout.c',
   'fd6_view.c',
   'freedreno_layout.c',
   freedreno_xml_header_files,
 ],
 include_directories : [inc_freedreno, inc_include, inc_src],
 c_args : [no_override_init_args],
 gnu_symbol_visibility : 'hidden',
 dependencies : [idep_nir_headers, idep_mesautil],
 build_by_default : false,
)

foreach major : ['5', '6']
```

```
 test(
   'fd' + major + '_layout',
   executable(
     'fd' + major + '_layout',
     [
       'fd_layout_test.c',
       'fd' + major + '_layout_test.c',
       freedreno_xml_header_files,
     ],
     link_with: libfreedreno_layout,
     dependencies : idep_mesautil,
     include_directories: [
       inc_include,
       inc_src,
       inc_freedreno],
   ),
   suite : ['freedreno'],
 )
endforeach
```

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1.8020 libdrmintel 2.4.122-1~ubuntu0.24.04.1

1.8020.1 Available under license :

This package was downloaded from
https://dri.freedesktop.org/libdrm/

It was debianized by Marcelo E. Magallon <mmagallo@debian.org> on
Fri, 19 Aug 2005 21:11:18 -0600.

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1.8021 libgbm1 24.2.8-1ubuntu1~24.04.1

1.8021.1 Available under license :

```
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libfreedreno_layout = static_library(
 'freedreno_layout',
 [
   'fd5_layout.c',
   'fd6_format_table.c',
   'fd6_layout.c',
   'fd6_view.c',
   'freedreno_layout.c',
   freedreno_xml_header_files,
 ],
 include_directories : [inc_freedreno, inc_include, inc_src],
 c_args : [no_override_init_args],
 gnu_symbol_visibility : 'hidden',
 dependencies : [idep_nir_headers, idep_mesautil],
 build_by_default : false,
)

foreach major : ['5', '6']
 test(
   'fd' + major + '_layout',
   executable(
     'fd' + major + '_layout',
     [
       'fd_layout_test.c',
       'fd' + major + '_layout_test.c',
       freedreno_xml_header_files,
     ],
     link_with: libfreedreno_layout,
     dependencies : idep_mesautil,
     include_directories: [
       inc_include,
       inc_src,
       inc_freedreno],
   ),
   suite : ['freedreno'],
 )
endforeach
```

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1.8022 libglapi-mesa 24.2.8-1ubuntu1~24.04.1

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```
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libfreedreno_layout = static_library(
 'freedreno_layout',
 [
   'fd5_layout.c',
   'fd6_format_table.c',
   'fd6_layout.c',
   'fd6_view.c',
   'freedreno_layout.c',
   freedreno_xml_header_files,
 ],
 include_directories : [inc_freedreno, inc_include, inc_src],
 c_args : [no_override_init_args],
 gnu_symbol_visibility : 'hidden',
 dependencies : [idep_nir_headers, idep_mesautil],
 build_by_default : false,
)
```

```
foreach major : ['5', '6']
 test(
   'fd' + major + '_layout',
   executable(
     'fd' + major + '_layout',
     [
       'fd_layout_test.c',
       'fd' + major + '_layout_test.c',
       freedreno_xml_header_files,
     ],
     link_with: libfreedreno_layout,
     dependencies : idep_mesautil,
     include_directories: [
       inc_include,
       inc_src,
       inc_freedreno],
   ),
   suite : ['freedreno'],
 )
endforeach
```

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1.8023 libwayland-server0 1.22.0-2.1build1

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1.8024 junit-jupiter 5.11.4

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localtime.go, localtime_test.go:

Originals:
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Changes:
* Renamed files from civil* to localtime*.
* Package changed from civil to toml.
* 'Local' prefix added to all structs.
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1.8031 call-bind-apply-helpers 1.0.2

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1.8032 netty-buffer 4.1.118.Final

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* /opt/cola/permits/2352221655_1739424660.938342/0/netty-buffer-4-1-118-final-sources-jar/io/netty/buffer/ByteBufProcessor.java
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 /opt/cola/permits/2352221655_1739424660.938342/0/netty-buffer-4-1-118-final-sources-jar/io/netty/buffer/ReadOnlyUnsafeDirectByteBuf.java
* /opt/cola/permits/2352221655_1739424660.938342/0/netty-buffer-4-1-118-final-sources-jar/io/netty/buffer/UnreleasableByteBuf.java
* /opt/cola/permits/2352221655_1739424660.938342/0/netty-buffer-4-1-118-final-sources-jar/io/netty/buffer/SimpleLeakAwareByteBuf.java
* /opt/cola/permits/2352221655_1739424660.938342/0/netty-buffer-4-1-118-final-sources-jar/io/netty/buffer/EmptyByteBuf.java
* /opt/cola/permits/2352221655_1739424660.938342/0/netty-buffer-4-1-118-final-sources-jar/io/netty/buffer/PooledUnsafeDirectByteBuf.java
* /opt/cola/permits/2352221655_1739424660.938342/0/netty-buffer-4-1-118-final-sources-jar/io/netty/buffer/WrappedByteBuf.java
* /opt/cola/permits/2352221655_1739424660.938342/0/netty-buffer-4-1-118-final-sources-jar/io/netty/buffer/AdvancedLeakAwareByteBuf.java
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/opt/cola/permits/2352221655_1739424660.938342/0/netty-buffer-4-1-118-final-sources-jar/io/netty/buffer/DefaultByteBufHolder.java
* /opt/cola/permits/2352221655_1739424660.938342/0/netty-buffer-4-1-118-final-sources-jar/io/netty/buffer/ReadOnlyByteBufferBuf.java
* /opt/cola/permits/2352221655_1739424660.938342/0/netty-buffer-4-1-118-final-sources-jar/io/netty/buffer/ByteBufHolder.java
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* /opt/cola/permits/2352221655_1739424660.938342/0/netty-buffer-4-1-118-final-sources-jar/io/netty/buffer/SizeClasses.java

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* /opt/cola/permits/2352221687_1739424670.8377047/0/netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketScheme.java
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/opt/cola/permits/2352221687_1739424670.8377047/0/netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpServerExpectContinueHandler.java
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/opt/cola/permits/2352221687_1739424670.8377047/0/netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyPingFrame.java
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* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialRequest.java
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/opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksInitRequest.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/UnknownSocksResponse.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksAuthResponseDecoder.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksResponse.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v4/DefaultSocks4CommandResponse.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksAuthResponse.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksAuthRequestDecoder.java
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* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4CommandStatus.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/SocksMessage.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandResponse.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4CommandResponse.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/UnknownSocksRequest.java
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/opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5InitialResponse.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksAuthRequest.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksCmdRequestDecoder.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksInitResponse.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/package-info.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialResponse.java

* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksRequest.java
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 /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5PasswordAuthRequest.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksInitResponseDecoder.java
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* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksCmdRequest.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksMessage.java
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 /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4CommandRequest.java
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* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AddressDecoder.java
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 /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/SocksPortUnificationServerHandler.java
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* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksAuthStatus.java
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/opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksProtocolVersion.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksSubnegotiationVersion.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksCmdStatus.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-

jar/io/netty/handler/codec/socksx/v5/Socks5CommandStatus.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksRequestType.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksMessageType.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksAuthScheme.java
*
/opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksAddressType.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AuthMethod.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksResponseType.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/SocksVersion.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthStatus.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandType.java
* /opt/cola/permits/2352221697_1739424680.6552632/0/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AddressType.java

1.8035 netty-handler-proxy 4.1.118.Final

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* /opt/cola/permits/2352221664_1739424665.4586825/0/netty-handler-proxy-4-1-118-final-sources-jar/io/netty/handler/proxy/ProxyConnectionEvent.java
* /opt/cola/permits/2352221664_1739424665.4586825/0/netty-handler-proxy-4-1-118-final-sources-jar/io/netty/handler/proxy/HttpProxyHandler.java
* /opt/cola/permits/2352221664_1739424665.4586825/0/netty-handler-proxy-4-1-118-final-sources-jar/io/netty/handler/proxy/Socks4ProxyHandler.java
* /opt/cola/permits/2352221664_1739424665.4586825/0/netty-handler-proxy-4-1-118-final-sources-jar/io/netty/handler/proxy/ProxyConnectException.java
* /opt/cola/permits/2352221664_1739424665.4586825/0/netty-handler-proxy-4-1-118-final-sources-jar/io/netty/handler/proxy/Socks5ProxyHandler.java
* /opt/cola/permits/2352221664_1739424665.4586825/0/netty-handler-proxy-4-1-118-final-sources-jar/io/netty/handler/proxy/package-info.java
* /opt/cola/permits/2352221664_1739424665.4586825/0/netty-handler-proxy-4-1-118-final-sources-jar/io/netty/handler/proxy/ProxyHandler.java

1.8036 netty 4.1.118.Final

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* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/DomainWildcardMappingBuilder.java
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* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/GenericProgressiveFutureListener.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/GenericFutureListener.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/DefaultThreadFactory.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/ScheduledFutureTask.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/ReferenceCountUtil.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/NoOpTypeParameterMatcher.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/ProgressivePromise.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/package-info.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/Future.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/ImmediateExecutor.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/Recycler.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/DefaultProgressivePromise.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/DefaultFutureListeners.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/ResourceLeak.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/CompleteFuture.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/AbstractEventExecutor.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/DefaultPromise.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/AbstractReferenceCounted.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-

jar/io/netty/util/concurrent/AbstractEventExecutorGroup.java
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* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/FutureListener.java
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/opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/EmptyArrays.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/TypeParameterMatcher.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/PlatformDependent0.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/ReferenceCounted.java
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* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/PendingWrite.java
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* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/ResourceLeakException.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/ResourceLeakDetector.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/Promise.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/ProgressiveFuture.java
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/opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/PromiseTask.java
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* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/InternalThreadLocalMap.java
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* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/ResourceLeakHint.java
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* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/PromiseAggregator.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/ThreadDeathWatcher.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/AsciiString.java

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* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/PriorityQueue.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/ReflectionUtil.java
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 /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/ObjectCleaner.java
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jar/io/netty/util/internal/LongAdderCounter.java
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* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/SuppressForbidden.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/NettyRuntime.java
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* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/ResourceLeakDetectorFactory.java
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* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/AbstractInternalLogger.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/CommonsLoggerFactory.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/CharsetUtil.java
*
 /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/NetUtil.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/EventExecutor.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/Signal.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/InternalLogLevel.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/SingleThreadEventExecutor.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/FailedFuture.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/Log4JLoggerFactory.java
*

/opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/PlatformDependent.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/package-info.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/package-info.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/Slf4JLogger.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/DefaultAttributeMap.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/Attribute.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/StringUtil.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/InternalLoggerFactory.java
*
/opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/SucceededFuture.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/DefaultEventExecutor.java
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* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/TimerTask.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/SystemPropertyUtil.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/AbstractConstant.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/Slf4JLoggerFactory.java
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/opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/Timeout.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/AttributeMap.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/IllegalReferenceCountException.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/GlobalEventExecutor.java
* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/HashedWheelTimer.java
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* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/svm/UnsafeRefArrayAccessSubstitution.java
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* /opt/cola/permits/2352221713_1739424668.4764779/0/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/svm/PlatformDependent0Substitution.java
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* /opt/cola/permits/2352221674_1739424689.7694886/0/netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DnsResponseCode.java
* /opt/cola/permits/2352221674_1739424689.7694886/0/netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/AbstractDnsMessage.java
* /opt/cola/permits/2352221674_1739424689.7694886/0/netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsRecordEncoder.java
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* /opt/cola/permits/2352221674_1739424689.7694886/0/netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DnsSection.java
* /opt/cola/permits/2352221674_1739424689.7694886/0/netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DnsRawRecord.java
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/opt/cola/permits/2352221674_1739424689.7694886/0/netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DnsMessageUtil.java
* /opt/cola/permits/2352221674_1739424689.7694886/0/netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DnsRecordDecoder.java
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Found in path(s):
* /opt/cola/permits/2352221674_1739424689.7694886/0/netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/TcpDnsResponseEncoder.java
* /opt/cola/permits/2352221674_1739424689.7694886/0/netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/TcpDnsQueryDecoder.java

1.8038 netty-resolver 4.1.118.Final

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* /opt/cola/permits/2352221660_1739424684.4987218/0/netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/AbstractAddressResolver.java
* /opt/cola/permits/2352221660_1739424684.4987218/0/netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java
* /opt/cola/permits/2352221660_1739424684.4987218/0/netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/DefaultNameResolver.java
* /opt/cola/permits/2352221660_1739424684.4987218/0/netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/InetNameResolver.java
* /opt/cola/permits/2352221660_1739424684.4987218/0/netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/HostsFileParser.java
* /opt/cola/permits/2352221660_1739424684.4987218/0/netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/CompositeNameResolver.java
* /opt/cola/permits/2352221660_1739424684.4987218/0/netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/HostsFileEntriesResolver.java

* /opt/cola/permits/2352221660_1739424684.4987218/0/netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/InetSocketAddressResolver.java
* /opt/cola/permits/2352221660_1739424684.4987218/0/netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/DefaultAddressResolverGroup.java
* /opt/cola/permits/2352221660_1739424684.4987218/0/netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/AddressResolver.java
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* /opt/cola/permits/2352221660_1739424684.4987218/0/netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/NoopAddressResolverGroup.java
* /opt/cola/permits/2352221660_1739424684.4987218/0/netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/SimpleNameResolver.java
* /opt/cola/permits/2352221660_1739424684.4987218/0/netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/AddressResolverGroup.java
* /opt/cola/permits/2352221660_1739424684.4987218/0/netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/NoopAddressResolver.java
* /opt/cola/permits/2352221660_1739424684.4987218/0/netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/NameResolver.java
* /opt/cola/permits/2352221660_1739424684.4987218/0/netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/package-info.java
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* /opt/cola/permits/2352221660_1739424684.4987218/0/netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/HostsFileEntries.java
* /opt/cola/permits/2352221660_1739424684.4987218/0/netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/ResolvedAddressTypes.java
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* /opt/cola/permits/2352221660_1739424684.4987218/0/netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/RoundRobinInetAddressResolver.java
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* /opt/cola/permits/2352221660_1739424684.4987218/0/netty-resolver-4-1-118-final-sources-jar/META-INF/maven/io.netty/netty-resolver/pom.xml

1.8039 netty-codec 4.1.118.Final

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*/
/*
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*/
/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
* Robert
 Harder's Public Domain
* Base64 Encoder/Decoder.
*/

Found in path(s):
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/base64/Base64Dialect.java
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* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/string/StringDecoder.java
*
 /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/FixedLengthFrameDecoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/base64/package-info.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/MessageToMessageDecoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/DecoderResult.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/ReplayingDecoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/UnmarshallerProvider.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/package-info.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/DecompressionException.java
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 /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/JZlibEncoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/DefaultMarshallerProvider.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/MessageToMessageEncoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/WeakReferenceMap.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java
*
 /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/MessageToMessageCodec.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-

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* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/ByteToMessageDecoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayDecoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Snappy.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/ReferenceMap.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/MarshallerProvider.java
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/opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/ObjectDecoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/DecoderException.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/LimitingByteInput.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/CompatibleObjectEncoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/MessageAggregator.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/CompactObjectInputStream.java
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/opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/package-info.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/ThreadLocalMarshallerProvider.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/CachingClassResolver.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/xml/package-info.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/CodecException.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/package-info.java
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/opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/CompressionException.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/ZlibEncoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/UnsupportedMessageTypeException.java

* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/ZlibWrapper.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/protobuf/package-info.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/string/StringEncoder.java
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* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/package-info.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/ClassResolvers.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/TooLongFrameException.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/MarshallingEncoder.java
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 /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/base64/Base64Decoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/ClassResolver.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/ObjectEncoderOutputStream.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
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 /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/SnappyFrameDecoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/MessageToByteEncoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/ZlibUtil.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/Delimiters.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-

jar/io/netty/handler/codec/serialization/SoftReferenceMap.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/base64/Base64Encoder.java
*
/opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/EncoderException.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/ReplayingDecoderByteBuf.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/ChannelBufferByteInput.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/LineBasedFrameDecoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/PrematureChannelClosureException.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/LengthFieldPrepender.java
*
/opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/DefaultUnmarshallerProvider.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/CorruptedFrameException.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/JZlibDecoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/ZlibCodecFactory.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/string/package-info.java
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* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Crc32c.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/xml/XmlFrameDecoder.java
*
 /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/JdkZlibDecoder.java
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* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2Constants.java
*
 /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanAllocator.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/json/JsonObjectDecoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/json/package-info.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Lz4Constants.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2Rand.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageDecoder.java
*
 /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2Decoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Crc32.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/FastLzFrameEncoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/LzfDecoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/AsciiHeadersEncoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/MessageAggregationException.java
*

/opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2BitWriter.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/FastLz.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2BitReader.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/LzfEncoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/LzmaFrameEncoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2BlockDecompressor.java
*
/opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/DecoderResultProvider.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2MTFAndRLE2StageEncoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2Encoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java
*
/opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
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```
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/**
* Utility class for {@link ByteBuf} that encodes and decodes to and from
* <a href="https://en.wikipedia.org/wiki/Base64">Base64</a> notation.
* <p>
 * The encoding and decoding algorithm in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
* Base64 Encoder/Decoder</a>.
*/
```

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* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/base64/Base64.java
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* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/DefaultHeadersImpl.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/ValueConverter.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/CharSequenceValueConverter.java
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*/
/**
* A decoder that splits the received {@link ByteBuf}s dynamically by the
* value of the length field in the message.  It is particularly useful when you
* decode a binary message which has an integer header field that represents the
* length of the message body or the whole message.
*
 <p>
* {@link LengthFieldBasedFrameDecoder} has many configuration parameters so
* that it can decode any message with a length field, which is often seen in
* proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
*
* <h3>2 bytes length field at offset 0, do not strip header</h3>
*
* The value of the length field in this example is <tt>12 (0x0C)</tt> which
* represents the length of "HELLO, WORLD".  By default, the decoder assumes
* that the length field represents the number of the bytes that follows the
* length field.  Therefore, it can be decoded with the simplistic parameter
* combination.
* <pre>
* <b>lengthFieldOffset</b>   = <b>0</b>
* <b>lengthFieldLength</b>   = <b>2</b>
* lengthAdjustment    = 0
* initialBytesToStrip = 0 (= do not strip header)
*
* BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content
 |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 0, strip header</h3>
*
* Because we can get the length of the content by calling
* {@link ByteBuf#readableBytes()}, you might want to strip the length
```

```
* field by specifying <tt>initialBytesToStrip</tt>.  In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
*
* BEFORE DECODE (14 bytes)        AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +----------------+
 * </pre>
*
* <h3>2 bytes length field at offset 0, do not strip header, the length field
*     represents the length of the whole message</h3>
*
* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples.  However, in some protocols, the
* length field represents the length of the whole message, including the
* message header.  In such a case, we specify a non-zero
* <tt>lengthAdjustment</tt>.  Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.
* <pre>
* lengthFieldOffset   =  0
* lengthFieldLength   =  2
* <b>lengthAdjustment</b>    = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip =  0
*
* BEFORE DECODE (14 bytes)        AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual
 Content |
* | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*
* <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>
*
* The following message is a simple variation of the first example.  An extra
* header value is prepended to the message.  <tt>lengthAdjustment</tt> is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* <pre>
* <b>lengthFieldOffset</b>   = <b>2</b> (= the length of Header 1)
```

```
* <b>lengthFieldLength</b>   = <b>3</b>
* lengthAdjustment    = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                    AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
* |  0xCAFE  | 0x00000C | "HELLO, WORLD" |
 |  0xCAFE  | 0x00000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>
*
* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body.  You have to specify a
* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
* header into the frame length calculation.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 3
* <b>lengthAdjustment</b>    = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                    AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* |  Length  | Header 1 | Actual Content |----->|  Length  | Header 1 | Actual Content |
* | 0x00000C |  0xCAFE  | "HELLO, WORLD" |      | 0x00000C |  0xCAFE  | "HELLO,
 WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
*     strip the first header field and the length field</h3>
*
* This is a combination of all the examples above.  There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra
* header affects the <tt>lengthAdjustment</tt>.  We also specified a non-zero
* <tt>initialBytesToStrip</tt> to strip the length field and the prepended
* header from the frame.  If you don't want to strip the prepended header, you
* could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
* <pre>
* lengthFieldOffset   = 1 (= the length of HDR1)
* lengthFieldLength   = 2
* <b>lengthAdjustment</b>    = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 +
```

```
 LEN)
*
* BEFORE DECODE (16 bytes)                    AFTER DECODE (13 bytes)
* +------+--------+------+----------------+      +------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +------+--------+------+----------------+      +------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
*     strip the first header field and the length field, the length field
*     represents the length of the whole message</h3>
*
* Let's give another twist to the previous example.  The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
* Please note that we don't need to take the length of HDR2 into account
* because
 the length field already includes the whole header length.
* <pre>
* lengthFieldOffset   =  1
* lengthFieldLength   =  2
* <b>lengthAdjustment</b>    = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b> 3</b>
*
* BEFORE DECODE (16 bytes)                    AFTER DECODE (13 bytes)
* +------+--------+------+----------------+      +------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +------+--------+------+----------------+      +------+----------------+
* </pre>
* @see LengthFieldPrepender
*/
```

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* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/EmptyHeaders.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/Headers.java
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* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/CodecOutputList.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/string/LineEncoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/DateFormatter.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/CompressionUtil.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/DatagramPacketEncoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-

jar/io/netty/handler/codec/string/LineSeparator.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/DatagramPacketDecoder.java
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* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/ZstdDecoder.java
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* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-

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* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/BrotliDecoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/CompressionOptions.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/ZstdConstants.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Brotli.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/DeflateOptions.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/ZstdOptions.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/GzipOptions.java
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* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/BrotliEncoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/StandardCompressionOptions.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/BrotliOptions.java
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* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/ProtocolDetectionState.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/UnsupportedValueConverter.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/HeadersUtils.java
* /opt/cola/permits/2352221643_1739424676.5937696/0/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java

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* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolHandler.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/pool/ChannelPoolHandler.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/pool/FixedChannelPool.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/pool/package-info.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/MaxBytesRecvByteBufAllocator.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/DefaultMaxBytesRecvByteBufAllocator.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/pool/ChannelHealthChecker.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/pool/SimpleChannelPool.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/pool/ChannelPool.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/DefaultMaxMessagesRecvByteBufAllocator.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolMap.java
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*/
/**
* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its {@link ChannelPipeline}.
*
* <h3>Sub-types</h3>
*
* {@link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its subtypes:
*
* {@link
 ChannelInboundHandler} to handle inbound I/O events, and
* {@link ChannelOutboundHandler} to handle outbound I/O operations.
*
*
*

```
* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>{@link ChannelInboundHandlerAdapter} to handle inbound I/O events,</li>
* <li>{@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
* <li>{@link ChannelDuplexHandler} to handle both inbound and outbound events</li>
* </ul>
* </p>
* <p>
* For more information, please refer to the documentation of each subtype.
* </p>
*
* <h3>The context object</h3>
* <p>
* A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext}
* object.  A {@link ChannelHandler} is supposed to interact with the
* {@link ChannelPipeline} it belongs to via a context object.  Using the
* context object, the {@link ChannelHandler} can pass events upstream or
* downstream, modify the pipeline dynamically,
 or store the information
* (using {@link AttributeKey}s) which is specific to the handler.
*
* <h3>State management</h3>
*
* A {@link ChannelHandler} often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {
*
*     <b>private boolean loggedIn;</b>
*
*     {@code @Override}
*     public void channelRead0({@link ChannelHandlerContext} ctx, Message message) {
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             <b>loggedIn = true;</b>
*         } else (message instanceof GetDataMessage) {
*             if (<b>loggedIn</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*             } else {
*                 fail();
*             }
*
 }
*     }
```

```
*     ...
* }
* </pre>
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where an unauthenticated client can get
* the confidential information:
* <pre>
* // Create a new handler instance per channel.
* // See {@link ChannelInitializer#initChannel(Channel)}.
* public class DataServerInitializer extends {@link ChannelInitializer}&lt;{@link Channel}&gt; {
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*     }
* }
*
* </pre>
*
* <h4>Using {@link AttributeKey}s</h4>
*
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use {@link AttributeKey}s which is provided by
* {@link ChannelHandlerContext}:
 * <pre>
* public interface Message {
*     // your methods here
* }
*
* {@code @Sharable}
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {
*     private final {@link AttributeKey}&lt;{@link Boolean}&gt; auth =
*         {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
*
*     {@code @Override}
*     public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
*         {@link Attribute}&lt;{@link Boolean}&gt; attr = ctx.attr(auth);
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             <b>attr.set(true)</b>;
*         } else (message instanceof GetDataMessage) {
*             if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*             } else {
*                 fail();
*             }
*         }
```

```
*     }
*     ...
* }
* </pre>
* Now that the
 state of the handler is attached to the {@link ChannelHandlerContext}, you can add the
* same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends {@link ChannelInitializer}&lt;{@link Channel}&gt; {
*
*     private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
*
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>SHARED</b>);
*     }
* }
* </pre>
*
*
* <h4>The {@code @Sharable} annotation</h4>
* <p>
* In the example above which used an {@link AttributeKey},
* you might have noticed the {@code @Sharable} annotation.
* <p>
* If a {@link ChannelHandler} is annotated with the {@code @Sharable}
* annotation, it means you can create an instance of the handler just once and
* add it to one or more {@link ChannelPipeline}s multiple times without
* a race condition.
* <p>
* If this annotation is not specified, you have to create
 a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* <p>
* This annotation is provided for documentation purpose, just like
* <a href="http://www.javaconcurrencyinpractice.com/annotations/doc/">the JCIP annotations</a>.
*
* <h3>Additional resources worth reading</h3>
* <p>
* Please refer to the {@link ChannelHandler}, and
* {@link ChannelPipeline} to find out more about inbound and outbound operations,
* what fundamental differences they have, how they flow in a  pipeline,  and how to handle
* the operation in your application.
*/
```

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* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/DuplexChannelConfig.java
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* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/nio/NioDomainSocketChannel.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/nio/NioServerDomainSocketChannel.java
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* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/AbstractEventLoop.java
*

/opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/embedded/EmbeddedChannelId.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelFactory.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/PendingWriteQueue.java
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* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/MessageSizeEstimator.java
*
/opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelProgressivePromise.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/DefaultAddressedEnvelope.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/nio/SelectedSelectionKeySet.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelProgressiveFuture.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/bootstrap/ChannelFactory.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelId.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/oio/OioSocketChannelConfig.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/DefaultChannelId.java
*

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* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/group/ChannelMatcher.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/group/ChannelGroup.java
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* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/group/ChannelGroupException.java
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* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/oio/package-info.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/local/LocalChannel.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/package-info.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/oio/AbstractOioChannel.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/bootstrap/AbstractBootstrap.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelDuplexHandler.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/embedded/EmbeddedSocketAddress.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/MultithreadEventLoopGroup.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelInboundHandlerAdapter.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/VoidChannelPromise.java
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* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/SelectStrategyFactory.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/WriteBufferWaterMark.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/bootstrap/BootstrapConfig.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/SelectStrategy.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelOutboundInvoker.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/DefaultSelectStrategy.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/PreferHeapByteBufAllocator.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelInboundInvoker.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/bootstrap/AbstractBootstrapConfig.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/group/VoidChannelGroupFuture.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/DuplexChannel.java
* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/DefaultSelectStrategyFactory.java
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* /opt/cola/permits/2352221691_1739424687.822423/0/netty-transport-4-1-118-final-sources-jar/io/netty/channel/SimpleUserEventChannelHandler.java

1.8041 netty-transport-classes-epoll 4.1.118.Final

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* /opt/cola/permits/2352221702_1739424691.7689445/0/netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/SegmentedDatagramPacket.java
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*/
/**
    * Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.
    * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
    * Allowing them being read would mean anyone with access to the channel could get them.

   */
```

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* /opt/cola/permits/2352221702_1739424691.7689445/0/netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollChannelOption.java
* /opt/cola/permits/2352221702_1739424691.7689445/0/netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollEventLoopGroup.java
* /opt/cola/permits/2352221702_1739424691.7689445/0/netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollDatagramChannel.java
* /opt/cola/permits/2352221702_1739424691.7689445/0/netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/package-info.java
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* /opt/cola/permits/2352221702_1739424691.7689445/0/netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/Epoll.java
* /opt/cola/permits/2352221702_1739424691.7689445/0/netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollEventLoop.java
* /opt/cola/permits/2352221702_1739424691.7689445/0/netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/NativeDatagramPacketArray.java
* /opt/cola/permits/2352221702_1739424691.7689445/0/netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/AbstractEpollChannel.java
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*/
/**
    * Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.
    * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
    * Allowing them being read would mean anyone with access to the channel could get them.
```

```
  */
/**
   * Set the {@code TCP_QUICKACK} option on the socket.
   * See <a href="https://linux.die.net//man/7/tcp">TCP_QUICKACK</a>
   * for more details.
   */
```

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* /opt/cola/permits/2352221702_1739424691.7689445/0/netty-transport-classes-epoll-4-1-118-final-sources-

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* /opt/cola/permits/2352221702_1739424691.7689445/0/netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollServerChannelConfig.java
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* /opt/cola/permits/2352221702_1739424691.7689445/0/netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollRecvByteAllocatorHandle.java
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1.8042 netty-transport-native-unix-common 4.1.118.Final

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* /opt/cola/permits/2352221636_1739424682.484677/0/netty-transport-native-unix-common-4-1-118-final-sources-jar/netty_unix_util.c
* /opt/cola/permits/2352221636_1739424682.484677/0/netty-transport-native-unix-common-4-1-118-final-sources-jar/netty_unix_util.h
* /opt/cola/permits/2352221636_1739424682.484677/0/netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/ErrorsStaticallyReferencedJniMethods.java
* /opt/cola/permits/2352221636_1739424682.484677/0/netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/LimitsStaticallyReferencedJniMethods.java
* /opt/cola/permits/2352221636_1739424682.484677/0/netty-transport-native-unix-common-4-1-118-final-sources-jar/netty_unix_limits.h
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* /opt/cola/permits/2352221636_1739424682.484677/0/netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/DomainSocketChannelConfig.java
*
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* /opt/cola/permits/2352221636_1739424682.484677/0/netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/DomainSocketAddress.java
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* /opt/cola/permits/2352221636_1739424682.484677/0/netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/DomainSocketReadMode.java
* /opt/cola/permits/2352221636_1739424682.484677/0/netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/Socket.java
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* /opt/cola/permits/2352221636_1739424682.484677/0/netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/NativeInetAddress.java
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* /opt/cola/permits/2352221636_1739424682.484677/0/netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/GenericUnixChannelOption.java

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* /opt/cola/permits/2352221639_1739424678.5811586/0/netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/DnsNameResolverTimeoutException.java
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* /opt/cola/permits/2352221639_1739424678.5811586/0/netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/SingletonDnsServerAddressStreamProvider.java
* /opt/cola/permits/2352221639_1739424678.5811586/0/netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/NoopDnsQueryLifecycleObserver.java
* /opt/cola/permits/2352221639_1739424678.5811586/0/netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/UnixResolverDnsServerAddressStreamProvider.java
* /opt/cola/permits/2352221639_1739424678.5811586/0/netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/BiDnsQueryLifecycleObserver.java
* /opt/cola/permits/2352221639_1739424678.5811586/0/netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/DnsServerAddressStreamProvider.java
* /opt/cola/permits/2352221639_1739424678.5811586/0/netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/MultiDnsServerAddressStreamProvider.java
* /opt/cola/permits/2352221639_1739424678.5811586/0/netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/DnsCacheEntry.java

* /opt/cola/permits/2352221639_1739424678.5811586/0/netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/DnsQueryLifecycleObserverFactory.java
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* /opt/cola/permits/2352221639_1739424678.5811586/0/netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/SequentialDnsServerAddressStreamProvider.java
* /opt/cola/permits/2352221639_1739424678.5811586/0/netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/DnsServerAddressStreamProviders.java
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* /opt/cola/permits/2352221639_1739424678.5811586/0/netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/DnsQueryLifecycleObserver.java
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*
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* /opt/cola/permits/2352221639_1739424678.5811586/0/netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/RoundRobinDnsAddressResolverGroup.java
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* /opt/cola/permits/2352221639_1739424678.5811586/0/netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/DnsNameResolver.java
* /opt/cola/permits/2352221639_1739424678.5811586/0/netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/DnsAddressResolverGroup.java
* /opt/cola/permits/2352221639_1739424678.5811586/0/netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/DnsResolveContext.java
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* /opt/cola/permits/2352221639_1739424678.5811586/0/netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/UnixResolverOptions.java

1.8044 netty-handler 4.1.118.Final

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* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslEngineMap.java
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* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/IdentityCipherSuiteFilter.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/ThreadLocalInsecureRandom.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/traffic/GlobalChannelTrafficCounter.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/LazyX509Certificate.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/CipherSuiteConverter.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SslUtils.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolConfig.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-

jar/io/netty/handler/ssl/JdkSslContext.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JdkBaseApplicationProtocolNegotiator.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslDefaultApplicationProtocolNegotiator.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SniHandler.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslEngine.java
*
/opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslClientContext.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JdkSslEngine.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/Java7SslParametersUtils.java
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* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JdkApplicationProtocolNegotiator.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java
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* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactory.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ipfilter/IpFilterRuleType.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslNpnApplicationProtocolNegotiator.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/PemReader.java
*
/opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SupportedCipherSuiteFilter.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JdkDefaultApplicationProtocolNegotiator.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilterRule.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JdkSslServerContext.java

* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JettyNpnSslEngine.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/SimpleTrustManagerFactory.java
*
 /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JettyAlpnSslEngine.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslApplicationProtocolNegotiator.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslServerContext.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslContext.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSsl.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ipfilter/package-info.java
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* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/BouncyCastlePemReader.java
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* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JdkAlpnSslEngine.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SslCloseCompletionEvent.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SslCompletionEvent.java
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* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/ocsp/package-info.java
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* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SslClientHelloHandler.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/Conscrypt.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java
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* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SslClosedEngineException.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/address/ResolveAddressHandler.java

* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactoryBuilder.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilterRuleComparator.java
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* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/flush/package-info.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/DelegatingSslContext.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/PemValue.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/flush/FlushConsolidationHandler.java
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* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/Java8SslUtils.java
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* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
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* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
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* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
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* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslContextOption.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslSessionCache.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/BouncyCastleAlpnSslUtils.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslSessionId.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/Ciphers.java

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*
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* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/BouncyCastleAlpnSslEngine.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SslContextOption.java
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* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/timeout/IdleState.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/timeout/ReadTimeoutHandler.java
*
 /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/timeout/ReadTimeoutException.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/stream/ChunkedNioStream.java
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* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/stream/ChunkedStream.java
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* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/timeout/package-info.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-

jar/io/netty/handler/stream/package-info.java
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/opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/logging/LogLevel.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/timeout/IdleStateEvent.java
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* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/timeout/WriteTimeoutException.java
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/opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SslHandler.java
* /opt/cola/permits/2352221715_1739424663.9372306/0/netty-handler-4-1-118-final-sources-jar/io/netty/handler/logging/package-info.java
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1.8045 openssl-dev 3.3.3-r0

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```

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the names:

```
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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* /opt/cola/permits/2352726397_1739461425.0526865/0/netty-resolver-dns-classes-macos-4-1-118-final-sources-jar/io/netty/resolver/dns/macos/MacOSDnsServerAddressStreamProvider.java
* /opt/cola/permits/2352726397_1739461425.0526865/0/netty-resolver-dns-classes-macos-4-1-118-final-sources-jar/io/netty/resolver/dns/macos/DnsResolver.java
* /opt/cola/permits/2352726397_1739461425.0526865/0/netty-resolver-dns-classes-macos-4-1-118-final-sources-jar/io/netty/resolver/dns/macos/package-info.java

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* /opt/cola/permits/2352726397_1739461425.0526865/0/netty-resolver-dns-classes-macos-4-1-118-final-sources-jar/META-INF/maven/io.netty/netty-resolver-dns-classes-macos/pom.xml

1.8047 netty-transport-classes-kqueue 4.1.118.Final

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jar/io/netty/channel/kqueue/KQueueServerChannelConfig.java
* /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/KQueueEventLoop.java
*
 /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/KQueueServerSocketChannel.java
* /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/KQueueStaticallyReferencedJniMethods.java
* /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/AbstractKQueueStreamChannel.java
* /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/KQueueDomainSocketChannel.java
* /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/KQueue.java
* /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/KQueueServerSocketChannelConfig.java
*
 /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/Native.java
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* /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/KQueueChannelOption.java
* /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/NativeLongArray.java
* /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/AbstractKQueueServerChannel.java
* /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/AcceptFilter.java
* /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/KQueueSocketChannelConfig.java
*
 /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/package-info.java
* /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/KQueueServerDomainSocketChannel.java
* /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/KQueueDomainSocketChannelConfig.java
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* /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/KQueueRecvByteAllocatorHandle.java
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*
 /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/KQueueEventLoopGroup.java
* /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-

jar/io/netty/channel/kqueue/AbstractKQueueChannel.java
* /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/KQueueSocketChannel.java
* /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/KQueueChannelConfig.java
* /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/KQueueDatagramChannel.java
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* /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/AbstractKQueueDatagramChannel.java
* /opt/cola/permits/2352726301_1739461446.3408773/0/netty-transport-classes-kqueue-4-1-118-final-sources-jar/io/netty/channel/kqueue/KQueueDomainDatagramChannelConfig.java

1.8048 alpine-base 3.21.3-r0

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pkgname=alpine-base
pkgver=3.21.3
pkgrel=0
pkgdesc="Meta package for minimal alpine base"
url="https://alpinelinux.org"
arch="noarch"
license="MIT"
depends="
```

1.8049 musl-utils 1.2.5-r9

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1.8051 alpine-release 3.21.3-r0

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```
# Automatically generated by apkbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
maintainer="Celeste <cielesti@protonmail.com>"
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=10
```

```
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

build() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
  INSTALLDIRS=vendor \
  NO_PACKLIST=1 \
  NO_PERLLOCAL=1
 make
}

check() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 make test
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"
# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=2
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz
```

```
 0001-bsd-games-scores-dir.patch
 "
options="!check" # no tests

build() {
 # some GNU autoconf options are ignored, but it works
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr \
  --sysconfdir=/etc \
  --mandir=/usr/share/man \
  --scoredir=/usr/share/$pkgname
 make
}

package() {
 make DESTDIR="$pkgdir" install
 install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}

sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
  bsd-games-3.3.tar.gz
e1def0d4835a877242c4173fae862e278a7858738e0bacacbb045a42bcabec2aa7c72d000bbd2421ce35fe66cdc1f52c0
577b7e278029ca5ed50f7aab22319f6  0001-bsd-games-scores-dir.patch
"
```

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```
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# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
 "

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
 update_config_sub
 default_prepare
}

build() {
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
 make
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
# Contributor: Patrycja Rosa <alpine@ptrcnull.me>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
 cdefs.h
 queue.h
 tree.h
```

```
"
builddir="$srcdir"
options="!check" # just headers

package() {
 mkdir -p "$pkgdir"
 install -Dm644 -t "$pkgdir"/usr/include/sys \
  cdefs.h queue.h tree.h
}
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178  cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750  queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3  tree.h
"
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=alpine-sdk
pkgver=1.1
pkgrel=0
url="https://git.alpinelinux.org/"
pkgdesc="Alpine Software Development Kit meta package"
depends="abuild build-base git"
arch="noarch"
license="GPL-2.0-only"
options="!check"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.2
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
 python3 setup.py build
}
```

```
package() {
 python3 setup.py install --prefix=/usr --root="$pkgdir"
}

sha512sums="8ade49f386e67d14e4b826946b947454cf2502ff249a9ab1d359f61fa42ebc2b17dd465708894cf82ffd15
3f0be1bed746464220d40d9d4dc1b07940ec280f28  flake8-copyright-0.2.2.tar.gz"
```

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"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95
http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html

```
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
```

```
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright"                  # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

package() {
 gpep517 install-wheel --destdir "$pkgdir" \
  .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
  flake8-copyright-0.2.4.tar.gz
"
# Contributor: Francesco Colista <fcolista@alpinelinux.org>
# Maintainer: Bart Ribbers <bribbers@disroot.org>
pkgname=qt5-qtsensors
pkgver=5.15.10_git20230424
pkgrel=1
_module="${pkgname#qt5-}"
_pkgver=45c04582b15a9bb4be01ae99aa7fda1bbba7d0df
_fullname=$_module-$_pkgver
pkgdesc="+The Qt Sensors API provides access to sensor hardware via QML and C++"
url="https://www.qt.io/developers/"
arch="all !armhf" # armhf blocked by qt5-qtdeclarative
license="LGPL-2.1-only AND LGPL-3.0-only AND GPL-3.0-only AND Qt-GPL-exception-1.0"
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
```

```
 default_prepare

 cargo fetch --target="$CTARGET" --locked
}

build() {
 cargo auditable build --release --frozen
}

check() {
 cargo test --frozen
}

package() {
 install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5  cargo-license-0.6.1.tar.gz
"
```

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pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir/$_pkgname-$pkgver"

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

check() {
 python3 -m venv --clear --without-pip --system-site-packages .testenv
 .testenv/bin/python3 -m installer .dist/*.whl
 .testenv/bin/python3 -m pytest
}

package() {
 python3 -m installer -d "$pkgdir" \
  .dist/*.whl
}

sha512sums="
cc7cd6b5bd8ea4c99b66f074871ffd7cc78b3e8b1b0d3afd9b95efdb7147c8293db2fac977d684fc34d3d60bd79066a06
dc2bff0a38b130d9d83c63538502db1
```

```
  license_expression-30.4.0.tar.gz
"
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.9
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check"
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
 subpackages="$subpackages $pkgname-$type:_subpkg"
done

build() {
 cd "$builddir"
}

package() {
 mkdir -p "$pkgdir"
}

_subpkg() {
 local type=${subpkgname/$pkgname-/}
 pkgdesc="$pkgdesc ($type)"
 install_if="$pkgname"
 mkdir -p "$subpkgdir"/usr/share/spdx
 cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
 pkgdesc="$pkgdesc (licence list)"
 mkdir -p "$subpkgdir"/usr/share/spdx
 local i; for i in $builddir/text/*.txt; do
  local
 license=${i##*/}
  echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
 done
}
```

sha512sums="532024a6fd3e4edc95be9ba6807dcc57f2cb86280da0a2ff3263ea7231c2a4b692839aab2f7748f09cc8b6e273eccc2c39ec1fe10ca6b1d720e5fe988a8f9b89 license-list-data-3.9.tar.gz"

1.8052 curl 8.12.1-r0

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1.8053 libcurl 8.12.1-r0

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1.8054 libdrm 2.4.122-1~ubuntu0.24.04.1

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```
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* Authors: Rickard E. (Rik) Faith <faith@valinux.com>
*
* DESCRIPTION
*
* This file contains a simple, straightforward implementation of the Park
* & Miller "Minimal Standard" PRNG [PM88, PMS93], which is a Lehmer
* multiplicative linear congruential generator (MLCG) with a period of
* 2^31-1.
*
* This implementation is intended to provide a reliable, portable PRNG
* that is suitable for testing a hash table implementation and for
* implementing skip lists.
*
* FUTURE ENHANCEMENTS
*
```

```
* If initial seeds are not selected randomly, two instances of the PRNG
* can be correlated.
  [Knuth81, pp. 32-33] describes a shuffling technique
* that can eliminate this problem.
*
* If PRNGs are used for simulation, the period of the current
* implementation may be too short.  [LE88] discusses methods of combining
* MLCGs to produce much longer periods, and suggests some alternative
* values for A and M.  [LE90 and Sch92] also provide information on
* long-period PRNGs.
*
* REFERENCES
*
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* Seminumerical Algorithms.  Reading, Massachusetts: Addison-Wesley, 1981.
*
* [LE88] Pierre L'Ecuyer. "Efficient and Portable Combined Random Number
* Generators".  CACM 31(6), June 1988, pp. 742-774.
*
* [LE90] Pierre L'Ecuyer. "Random Numbers for Simulation". CACM 33(10,
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*
* [PM88] Stephen K. Park and Keith W. Miller. "Random Number Generators:
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*
* [Sch92] Bruce Schneier. "Pseudo-Ransom Sequence
 Generator for 32-Bit
* CPUs".  Dr. Dobb's Journal 17(2), February 1992, pp. 34, 37-38, 40.
*
* [PMS93] Stephen K. Park, Keith W. Miller, and Paul K. Stockmeyer.  In
* "Technical Correspondence: Remarks on Choosing and Implementing Random
* Number Generators". CACM 36(7), July 1993, pp. 105-110.
*
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Found in path(s):
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/include/drm/r128_drm.h
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/basic_tests.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/amdgpu_test.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/cs_tests.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/util_math.h

* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/amdgpu_test.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/bo_tests.c
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/radeon/bof.h
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* Christian Gmeiner <christian.gmeiner@gmail.com>
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_bo_cache.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/etnaviv/etnaviv_bo_cache_test.c
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Found in path(s):
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_drm.h
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* Christian Gmeiner <christian.gmeiner@gmail.com>
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_gpu.c
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The release criteria for libdrm is essentially "if you need a release,
make one". There is no designated release engineer or maintainer.
Anybody is free to make a release if there's a certain feature or bug
fix they need in a released version of libdrm.

When new ioctl definitions are merged into drm-next, we will add
support to libdrm, at which point we typically create a new release.
However, this is up to whoever is driving the feature in question.

Follow these steps to release a new version of libdrm:

1) Bump the version number in meson.build. We seem to have settled for
   2.4.x as the versioning scheme for libdrm, so just bump the micro
   version.

2) Run `ninja -C builddir/ dist` to generate the tarballs.
   Make sure that the version number of the tarball name in

builddir/meson-dist/ matches the number you bumped to. Move that
tarball to the libdrm repo root for the release script to pick
up.

3) Push the updated main branch with the bumped version number:

git push origin main

assuming the remote for the upstream libdrm repo is called origin.

4) Use the release.sh script from the xorg/util/modular repo to
upload the tarballs to the freedesktop.org download area and
create an announce email template. The script takes one argument:
the path to the libdrm checkout. So, if a checkout of modular is
at the same level than the libdrm repo:

./modular/release.sh libdrm

This copies the two tarballs to freedesktop.org and creates
libdrm-2.4.16.announce which has a detailed summary of the
changes, links to the tarballs, MD5 and SHA1 sums and pre-filled
out email headers. Fill out the blank between the email headers
and the list of changes with a brief message of what changed or
what prompted this release. Send out the email and you're done!

Found in path(s):
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/RELEASING
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/* mga_drm.h -- Public header for the Matrox g200/g400 driver -*- linux-c -*-
* Created: Tue Jan 25 01:50:01 1999 by jhartmann@precisioninsight.com
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Found in path(s):
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/include/drm/mga_drm.h
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/freedreno_bo_cache.c
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/ttmtest/src/ttmtest.c
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```
/* xf86drmSL.c -- Skip list support
* Created: Mon May 10 09:28:13 1999 by faith@precisioninsight.com
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*
* Authors: Rickard E. (Rik) Faith <faith@valinux.com>
*
* DESCRIPTION
*
* This file contains a straightforward skip list implementation.n
*
* FUTURE ENHANCEMENTS
*
* REFERENCES
*
* [Pugh90] William Pugh.  Skip Lists: A Probabilistic Alternative to
* Balanced Trees. CACM 33(6), June 1990, pp. 668-676.
*
*/
```

Found in path(s):
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/xf86drmSL.c
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```
/* drmsl.c -- Skip list test
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*
* This file contains a straightforward skip list implementation.n
*
* FUTURE ENHANCEMENTS
*
* REFERENCES
*
* [Pugh90] William Pugh. Skip Lists: A Probabilistic Alternative to
* Balanced Trees. CACM 33(6), June 1990, pp. 668-676.
*
*/

Found in path(s):
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/ttmtest/src/xf86dristr.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/ttmtest/src/xf86dri.h
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/exynos/exynos_fimg2d.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/exynos/exynos_fimg2d.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/exynos/fimg2d_reg.h
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```
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*  sync abstraction
*  Copyright 2015-2016 Collabora Ltd.
*
*  Based on the implementation from the Android Open Source Project,
```

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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/etnaviv/write_bmp.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/etnaviv/write_bmp.h
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* Authors:
*   Christian Gmeiner <christian.gmeiner@gmail.com>
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/etnaviv/etnaviv_2d_test.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_priv.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_drmif.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_pipe.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-

2.4.122/etnaviv/etnaviv_cmd_stream.c
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/modeprint/modeprint.c
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/vce_tests.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/vce_ib.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/frame.h
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/android/gralloc_handle.h

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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/util/kms.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/util/pattern.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/util/kms.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/util/format.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/util/pattern.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/util/common.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/util/format.c

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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/xf86drmRandom.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/xf86drmHash.h
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/shader_code_gfx10.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/shader_code_gfx9.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/shader_code_gfx11.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/shader_code_hang.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/cp_dma_tests.c
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/exynos/exynos_fimg2d_event.c
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* Authors:
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* Joonyoung Shim <jy0922.shim@samsung.com>
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/radeon/rbo.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/radeon/radeon_ttm.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/radeon/rbo.h
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/amdgpu/amdgpu_vm.c

* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/decode_messages.h
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- copyright.xml (1597 bytes, from 2016-09-06 14:44:16)
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Found in path(s):
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/etnaviv/cmdstream.xml.h
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/amdgpu/handle_table.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/amdgpu/handle_table.c
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/amdgpu/amdgpu.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/amdgpu/amdgpu_vamgr.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/amdgpu/amdgpu_device.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/amdgpu/amdgpu_cs.c
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Contributing to libdrm
==========

Submitting Patches

Patches should be sent to dri-devel@lists.freedesktop.org, using git
send-email. For patches only touching driver specific code one of the driver
mailing lists (like amd-gfx@lists.freedesktop.org) is also appropriate. See git
documentation for help:

http://git-scm.com/documentation

Since dri-devel is a very busy mailing list please use --subject-prefix="PATCH
libdrm" to make it easier to find libdrm patches. This is best done by running

```
git config --local format.subjectprefix "PATCH libdrm"
```

The first line of a commit message should contain a prefix indicating what part
is affected by the patch followed by one sentence that describes the change. For
examples:

```
amdgpu: Use uint32_t i in amdgpu_find_bo_by_cpu_mapping
```

The body of the commit message should describe what the patch changes and why,
and also note any particular
side effects. For a recommended reading on
writing commit messages, see:

http://who-t.blogspot.de/2009/12/on-commit-messages.html

Your patches should also include a Signed-off-by line with your name and email
address. If you're not the patch's original author, you should also gather
S-o-b's by them (and/or whomever gave the patch to you.) The significance of
this is that it certifies that you created the patch, that it was created under
an appropriate open source license, or provided to you under those terms. This
lets us indicate a chain of responsibility for the copyright status of the code.
For more details:

https://developercertificate.org/

We won't reject patches that lack S-o-b, but it is strongly recommended.

Review and Merging

Patches should have at least one positive review (Reviewed-by: tag) or
indication of approval (Acked-by: tag) before merging. For any code shared
between drivers this is mandatory.

Please note that kernel/userspace API header files
have special rules, see
include/drm/README.

Coding style in the project loosely follows the CodingStyle of the linux kernel:

https://www.kernel.org/doc/html/latest/process/coding-style.html?highlight=coding%20style

Commit Rights

Commit rights will be granted to anyone who requests them and fulfills the
below criteria:

- Submitted a few (5-10 as a rule of thumb) non-trivial (not just simple spelling fixes and whitespace adjustment) patches that have been merged already. Since libdrm is just a glue library between the kernel and userspace drivers, merged patches to those components also count towards the commit criteria.

- Are actively participating on discussions about their work (on the mailing list or IRC). This should not be interpreted as a requirement to review other peoples patches but just make sure that patch submission isn't one-way communication. Cross-review is still highly encouraged.

- Will be regularly contributing further patches. This includes regular contributors to other parts of the open source graphics stack who only do the oddball rare patch within libdrm itself.

- Agrees to use their commit rights in accordance with the documented merge criteria, tools, and processes.

To apply for commit rights ("Developer" role in gitlab) send a mail to dri-devel@lists.freedesktop.org and please ping the maintainers if your request is stuck.

Committers are encouraged to request their commit rights get removed when they no longer contribute to the project. Commit rights will be reinstated when they come back to the project.

Maintainers and committers should encourage contributors to request commit rights, as especially junior contributors tend to underestimate their skills.

Code of Conduct

Please be aware the fd.o Code of Conduct also applies to libdrm:

https://www.freedesktop.org/wiki/CodeOfConduct/

See the gitlab project owners for contact details of the libdrm maintainers.

Abuse of commit rights, like engaging in commit fights or willfully pushing patches that violate the documented merge criteria, will also be handled through the Code of Conduct enforcement process.

Happy hacking!

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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/CONTRIBUTING.rst
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/include/drm/drm_mode.h
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/omap/omap_drm.h

* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/omap/omap_drmif.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/omap/omap_drm.c
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/amdgpu/amdgpu_internal.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/amdgpu/amdgpu_gpu_info.c
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/radeon/radeon_cs_space.c
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/radeon/radeon_surface.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/radeon/radeon_surface.h
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-
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/*
* Arm Framebuffer Compression (AFBC) modifiers
*
* AFBC is a proprietary lossless image compression protocol and format.
* It provides fine-grained random access and minimizes the amount of data
* transferred between IP blocks.
*
* AFBC has several features which may be supported and/or used, which are
* represented using bits in the modifier. Not all combinations are valid,
* and different devices or use-cases may support different combinations.
*
* Further information on the use of AFBC modifiers can be found in
* Documentation/gpu/afbc.rst
*/
/*
* Arm Fixed-Rate Compression (AFRC) modifiers
*
* AFRC is a proprietary fixed rate image compression protocol and format,
* designed to provide guaranteed bandwidth and memory footprint
* reductions
 in graphics and media use-cases.
*
* AFRC buffers consist of one or more planes, with the same components
```

```
* and meaning as an uncompressed buffer using the same pixel format.
*
* Within each plane, the pixel/luma/chroma values are grouped into
* "coding unit" blocks which are individually compressed to a
* fixed size (in bytes). All coding units within a given plane of a buffer
* store the same number of values, and have the same compressed size.
*
* The coding unit size is configurable, allowing different rates of compression.
*
* The start of each AFRC buffer plane must be aligned to an alignment granule which
* depends on the coding unit size.
*
* Coding Unit Size   Plane Alignment
* ----------------   ---------------
* 16 bytes           1024 bytes
* 24 bytes           512  bytes
* 32 bytes           2048 bytes
*
* Coding units are grouped into paging tiles. AFRC buffer dimensions must be aligned
* to a multiple of the paging tile dimensions.
* The dimensions
 of each paging tile depend on whether the buffer is optimised for
* scanline (SCAN layout) or rotated (ROT layout) access.
*
* Layout   Paging Tile Width   Paging Tile Height
* ------   -----------------   ------------------
* SCAN     16 coding units     4 coding units
* ROT      8  coding units     8 coding units
*
* The dimensions of each coding unit depend on the number of components
* in the compressed plane and whether the buffer is optimised for
* scanline (SCAN layout) or rotated (ROT layout) access.
*
* Number of Components in Plane   Layout      Coding Unit Width   Coding Unit Height
* ------------------------------   ---------   -----------------   ------------------
* 1                                SCAN        16 samples          4 samples
* Example: 16x4 luma samples in a 'Y' plane
*         16x4 chroma 'V' values, in the 'V' plane of a fully-planar YUV buffer
* ------------------------------   ---------   -----------------   ------------------
* 1
                                   ROT         8 samples           8 samples
* Example: 8x8 luma samples in a 'Y' plane
*         8x8 chroma 'V' values, in the 'V' plane of a fully-planar YUV buffer
* ------------------------------   ---------   -----------------   ------------------
* 2                                DONT CARE   8 samples           4 samples
* Example: 8x4 chroma pairs in the 'UV' plane of a semi-planar YUV buffer
* ------------------------------   ---------   -----------------   ------------------
* 3                                DONT CARE   4 samples           4 samples
```

```
* Example: 4x4 pixels in an RGB buffer without alpha
* ----------------------------   ---------   -----------------   ------------------
* 4                              DONT CARE   4 samples           4 samples
* Example: 4x4 pixels in an RGB buffer with alpha
*/
/*
* Amlogic Video Framebuffer Compression modifiers
*
* Amlogic uses a proprietary lossless image compression protocol and format
 * for their hardware video codec accelerators, either video decoders or
* video input encoders.
*
* It considerably reduces memory bandwidth while writing and reading
* frames in memory.
*
* The underlying storage is considered to be 3 components, 8bit or 10-bit
* per component YCbCr 420, single plane :
* - DRM_FORMAT_YUV420_8BIT
* - DRM_FORMAT_YUV420_10BIT
*
* The first 8 bits of the mode defines the layout, then the following 8 bits
* defines the options changing the layout.
*
* Not all combinations are valid, and different SoCs may support different
* combinations of layout and options.
*/
/*
* 64K_S is the same for GFX9/GFX10/GFX10_RBPLUS and hence has GFX9 as canonical
* version.
*/
```

Found in path(s):
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/include/drm/drm_fourcc.h
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_bo.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_device.c
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/radeon/radeon_bo.h
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/include/drm/mach64_drm.h
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/etnaviv/etnaviv_perfmon.c
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/include/drm/radeon_drm.h
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/modetest/modetest.c
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/deadlock_tests.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/uve_ib.h
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/syncobj_tests.c
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/gr2d-fill.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/drm-test-tegra.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/drm-test-tegra.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/drm-test.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/openclose.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/drm-test.c

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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/xf86drm.h
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic41.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/host1x.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic30.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic-clear.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic41.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/syncpt-wait.c
*

/opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic-flip.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic42.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic40.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic42.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/syncpt-timeout.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic30.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/vic-blit.c
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/kgsl/kgsl_device.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/msm/msm_ringbuffer.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/kgsl/kgsl_bo.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/msm/msm_priv.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/kgsl/kgsl_pipe.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/kgsl/kgsl_ringbuffer.c
*
 /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/msm/msm_device.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/msm/msm_pipe.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/kgsl/kgsl_priv.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/msm/msm_bo.c

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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/include/drm/qxl_drm.h
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-

2.4.122/intel/intel_bufmgr_gem.c
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/nouveau/bufctx.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/nouveau/nouveau.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/nouveau/pushbuf.c
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/freedreno_device.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/freedreno_bo.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/freedreno_priv.h
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/freedreno_ringbuffer.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/freedreno_pipe.c
*
/opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/freedreno_drmif.h
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*
* Authors: Rickard E. (Rik) Faith <faith@valinux.com>
*
* DESCRIPTION
*
* This file contains a straightforward implementation of a fixed-sized
* hash table using self-organizing linked lists [Knuth73, pp. 398-399] for
* collision resolution.  There are two potentially interesting things
* about this implementation:
*
* 1) The table is power-of-two sized.  Prime sized tables are more
* traditional, but do not have a significant advantage over power-of-two
* sized table, especially when double hashing is not used for collision
* resolution.
*
* 2) The hash computation
 uses a table of random integers [Hanson97,
* pp. 39-41].
*
* FUTURE ENHANCEMENTS
*
* With a table size of 512, the current implementation is sufficient for a
* few hundred keys.  Since this is well above the expected size of the
* tables for which this implementation was designed, the implementation of
* dynamic hash tables was postponed until the need arises.  A common (and
* naive) approach to dynamic hash table implementation simply creates a
* new hash table when necessary, rehashes all the data into the new table,
* and destroys the old table.  The approach in [Larson88] is superior in
* two ways: 1) only a portion of the table is expanded when needed,
* distributing the expansion cost over several insertions, and 2) portions
* of the table can be locked, enabling a scalable thread-safe
* implementation.
*
* REFERENCES
```

*
* [Hanson97] David R. Hanson. C Interfaces and Implementations:
* Techniques for Creating Reusable Software. Reading, Massachusetts:
 * Addison-Wesley, 1997.
*
* [Knuth73] Donald E. Knuth. The Art of Computer Programming. Volume 3:
* Sorting and Searching. Reading, Massachusetts: Addison-Wesley, 1973.
*
* [Larson88] Per-Ake Larson. "Dynamic Hash Tables". CACM 31(4), April
* 1988, pp. 446-457.
*
*/

Found in path(s):
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/hash.c
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/xf86drmHash.c
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tegra/job.c
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/util/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/amdgpu/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/intel/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/exynos/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/radeon/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/tegra/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/data/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/etnaviv/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/nouveau/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-

2.4.122/tests/vbltest/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/exynos/meson.build
*
/opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/etnaviv/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/nouveau/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/modetest/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/freedreno/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/meson_options.txt
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/amdgpu/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/modeprint/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/omap/meson.build
*
/opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/radeon/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tests/proptest/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/tegra/meson.build
* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/vc4/meson.build
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* /opt/cola/permits/2354300497_1739511832.709239/0/libdrm-2-4-122-orig-1-tar-xz/libdrm-2.4.122/vc4/vc4_packet.h

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```
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libfreedreno_layout = static_library(
 'freedreno_layout',
 [
   'fd5_layout.c',
   'fd6_format_table.c',
   'fd6_layout.c',
   'fd6_view.c',
   'freedreno_layout.c',
   freedreno_xml_header_files,
 ],
 include_directories : [inc_freedreno, inc_include, inc_src],
 c_args : [no_override_init_args],
 gnu_symbol_visibility : 'hidden',
 dependencies : [idep_nir_headers, idep_mesautil],
 build_by_default : false,
)

foreach major : ['5', '6']
 test(
   'fd' + major + '_layout',
   executable(
     'fd' + major + '_layout',
     [
       'fd_layout_test.c',
       'fd' + major + '_layout_test.c',
       freedreno_xml_header_files,
     ],
     link_with: libfreedreno_layout,
     dependencies : idep_mesautil,
     include_directories: [
       inc_include,
       inc_src,
       inc_freedreno],
```

```
  ),
  suite : ['freedreno'],
)
endforeach
```

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1.8056 llvm 7.2.0

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```
; RUN: llc < %s -mtriple=s390x-linux-gnu -mcpu=zEC12 -verify-machineinstrs | FileCheck %s
;
; Test that early if conversion produces LOCR with operands of the right
; register classes.

define void @autogen_SD4739(i8*) {
; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register
BB:
 %L34 = load i8, i8* %0
 %Cmp56 = icmp sgt i8 undef, %L34
```

```
 br label %CF246

CF246:                                    ; preds = %CF246, %BB
 %Sl163 = select i1 %Cmp56, i8 %L34, i8 undef
 br i1 undef, label %CF246, label %CF248

CF248:                                    ; preds = %CF248, %CF246
 store i8 %Sl163, i8* %0
 br label %CF248
}
```

==========

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*/
; RUN: llc -march=hexagon < %s
; REQUIRES: asserts

; The two loads based on %struct.0, loading two different data types
; cause LSR to assume type "void" for the memory type. This would then
; cause an assert in isLegalAddressingMode. Make sure we no longer crash.

target triple = "hexagon"

%struct.0 = type { i8*, i8, %union.anon.0 }
%union.anon.0 = type { i8* }

define hidden fastcc void @fred() unnamed_addr #0 {
entry:
 br i1 undef, label %while.end, label %while.body.lr.ph

while.body.lr.ph:                                 ; preds = %entry
 br label %while.body

while.body:                                       ; preds = %exit.2, %while.body.lr.ph
 %lsr.iv = phi %struct.0* [ %cgep22, %exit.2 ], [ undef, %while.body.lr.ph ]
 switch i32 undef, label %exit [
   i32 1, label %sw.bb.i
   i32 2, label %sw.bb3.i
 ]

sw.bb.i:                                          ; preds = %while.body
 unreachable

sw.bb3.i:                                         ; preds = %while.body
 unreachable

exit:
                                                  ; preds = %while.body
 switch i32 undef, label %exit.2 [
```

```
  i32 1, label %sw.bb.i17
  i32 2, label %sw.bb3.i20
 ]

sw.bb.i17:                                        ; preds = %.exit
 %0 = bitcast %struct.0* %lsr.iv to i32*
 %1 = load i32, i32* %0, align 4
 unreachable

sw.bb3.i20:                                       ; preds = %exit
 %2 = bitcast %struct.0* %lsr.iv to i8**
 %3 = load i8*, i8** %2, align 4
 unreachable

exit.2:                                           ; preds = %exit
 %cgep22 = getelementptr %struct.0, %struct.0* %lsr.iv, i32 1
 br label %while.body

while.end:                                        ; preds = %entry
 ret void
}

attributes #0 = { nounwind optsize "target-cpu"="hexagonv55" }
; RUN: llc -mtriple=aarch64-apple-ios %s -o - | FileCheck %s

define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {
; CHECK-LABEL: test_sitofp_fixed:

 ; First, extend each i32 to i64
; CHECK-DAG: sshll2.2d [[BLOCK0_HI:v[0-9]+]], v0, #0
; CHECK-DAG: sshll2.2d [[BLOCK1_HI:v[0-9]+]], v1, #0
; CHECK-DAG: sshll2.2d [[BLOCK2_HI:v[0-9]+]], v2, #0
; CHECK-DAG: sshll2.2d [[BLOCK3_HI:v[0-9]+]], v3, #0
; CHECK-DAG: sshll.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
; CHECK-DAG: sshll.2d [[BLOCK1_LO:v[0-9]+]], v1, #0
; CHECK-DAG: sshll.2d [[BLOCK2_LO:v[0-9]+]], v2, #0
; CHECK-DAG: sshll.2d [[BLOCK3_LO:v[0-9]+]], v3, #0

 ; Next, convert each to double.
; CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
; CHECK-DAG: scvtf.2d v1, [[BLOCK0_HI]]
; CHECK-DAG: scvtf.2d v2, [[BLOCK1_LO]]
; CHECK-DAG: scvtf.2d v3, [[BLOCK1_HI]]
; CHECK-DAG: scvtf.2d v4, [[BLOCK2_LO]]
; CHECK-DAG: scvtf.2d v5, [[BLOCK2_HI]]
; CHECK-DAG: scvtf.2d v6, [[BLOCK3_LO]]
; CHECK-DAG: scvtf.2d v7, [[BLOCK3_HI]]
```

```
; CHECK: ret
 %flt = sitofp <16 x i32>
 %in to <16 x double>
 %res = fdiv <16 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0,
double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0,
double 64.0>
 ret <16 x double> %res
}

; This one is small enough to satisfy isSimple, but still illegally large.
define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) {
; CHECK-LABEL: test_sitofp_fixed_shortish:

; CHECK-DAG: scvtf.2d v0, v0
; CHECK-DAG: scvtf.2d v1, v1

; CHECK: ret
 %flt = sitofp <4 x i64> %in to <4 x double>
 %res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0>
 ret <4 x double> %res
}
```

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```
add_lldb_library(lldbPluginObjectContainerBSDArchive PLUGIN
 ObjectContainerBSDArchive.cpp

 LINK_LIBS
   lldbCore
   lldbHost
   lldbSymbol
 LINK_COMPONENTS
   Support
 )
```

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; RUN: llc < %s -mtriple=x86_64-linux-android -mattr=+mmx -enable-legalize-types-checking | FileCheck %s
;
; D31946
; Check that we dont end up with the ""LLVM ERROR: Cannot select" error.
; Additionally ensure that the output code actually put fp128 values in SSE registers.

declare fp128 @llvm.fabs.f128(fp128)
declare fp128 @llvm.copysign.f128(fp128, fp128)

define fp128 @TestSelect(fp128 %a, fp128 %b) {
 %cmp = fcmp ogt fp128 %a, %b
 %sub = fsub fp128 %a, %b
 %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
 ret fp128 %res
; CHECK-LABEL: TestSelect:
; CHECK        movaps 16(%rsp), %xmm1
; CHECK-NEXT   callq __subtf3
; CHECK-NEXT   testl %ebx, %ebx
; CHECK-NEXT   jg .LBB0_2
; CHECK-NEXT # %bb.1:
; CHECK-NEXT   movaps .LCPI0_0(%rip), %xmm0
; CHECK-NEXT .LBB0_2:
; CHECK-NEXT   addq $32, %rsp
; CHECK-NEXT   popq %rbx
; CHECK-NEXT   retq
}

define fp128 @TestFabs(fp128 %a) {
 %res = call fp128 @llvm.fabs.f128(fp128 %a)
 ret fp128 %res
; CHECK-LABEL: TestFabs:
;
 CHECK      andps .LCPI1_0(%rip), %xmm0
; CHECK-NEXT retq
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
 %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
 ret fp128 %res
; CHECK-LABEL: TestCopysign:
```

```
; CHECK      andps .LCPI2_1(%rip), %xmm0
; CHECK-NEXT orps %xmm1, %xmm0
; CHECK-NEXT retq
}

define fp128 @TestFneg(fp128 %a) {
 %mul = fmul fp128 %a, %a
 %res = fsub fp128 0xL00000000000000008000000000000000, %mul
 ret fp128 %res
; CHECK-LABEL: TestFneg:
; CHECK      movaps %xmm0, %xmm1
; CHECK-NEXT callq __multf3
; CHECK-NEXT xorps .LCPI3_0(%rip), %xmm0
; CHECK-NEXT popq %rax
; CHECK-NEXT retq
}
```

1.8057 llvm-toolchain-19 19.1.1-1ubuntu1~24.04.2

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1.8058 psutil 7.0.0

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lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
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lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
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lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
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lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et

kprop/kpropd_rpc.c
kprop/kproplog.c

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lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c

lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
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lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
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lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

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lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c

lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation,
including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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1.8066 liblockfile 1.17-1build3

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1.8078 github.com/go-logr/stdr 1.2.2

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1.8079 golang 1.23.6

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jar/net/minidev/json/writer/DefaultMapper.java

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1.8084 wheel 0.45.1

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# Contributor: Patrycja Rosa <alpine@ptrcnull.me>
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pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
 cdefs.h
 queue.h
 tree.h
"
builddir="$srcdir"
options="!check" # just headers

package() {
 mkdir -p "$pkgdir"
```

```
 install -Dm644 -t "$pkgdir"/usr/include/sys \
  cdefs.h queue.h tree.h
}
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178  cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750  queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3  tree.h
"
```

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"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95
http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html

```
# Automatically generated by apkbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
maintainer="Celeste <cielesti@protonmail.com>"
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=10
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
```

```
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

build() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
  INSTALLDIRS=vendor \
  NO_PACKLIST=1 \
  NO_PERLLOCAL=1
 make
}

check() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 make test
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
 default_prepare
```

```
 cargo fetch --target="$CTARGET" --locked
}

build() {
 cargo auditable build --release --frozen
}

check() {
 cargo test --frozen
}

package() {
 install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5  cargo-license-0.6.1.tar.gz
"
# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=2
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz
 0001-bsd-games-scores-dir.patch
 "
options="!check" # no tests

build() {
 # some GNU autoconf options are ignored, but it works
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr \
  --sysconfdir=/etc \
  --mandir=/usr/share/man \
  --scoredir=/usr/share/$pkgname
 make
}
```

```
package() {
 make DESTDIR="$pkgdir" install
 install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}

sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
  bsd-games-3.3.tar.gz
e1def0d4835a877242c4173fae862e278a7858738e0bacacbb045a42bcabec2aa7c72d000bbd2421ce35fe66cdc1f52c0
577b7e278029ca5ed50f7aab22319f6  0001-bsd-games-scores-dir.patch
"
```

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```

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```
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 *
 * Optimised ANSI C code for the Rijndael cipher (now AES)
 *
 * @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
 * @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
 * @author Paulo Barreto <paulo.barreto@terra.com.br>
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$OpenBSD: LICENCE,v 1.20 2017/04/30 23:26:16 djm Exp $
```

1.8087 alpine-release 3.21.3-r0

1.8087.1 Available under license :

```
# Automatically generated by apkbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
maintainer="Celeste <cielesti@protonmail.com>"
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=10
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

build() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
  INSTALLDIRS=vendor \
  NO_PACKLIST=1 \
  NO_PERLLOCAL=1
 make
}

check() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 make test
}

package() {
 make DESTDIR="$pkgdir" install
```

```
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
 default_prepare

 cargo fetch --target="$CTARGET" --locked
}

build() {
 cargo auditable build --release --frozen
}

check() {
 cargo test --frozen
}

package() {
 install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5  cargo-license-0.6.1.tar.gz
"
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# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license_expression
pkgver=30.4.0
pkgrel=0
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir/$_pkgname-$pkgver"

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

check() {
 python3 -m venv --clear --without-pip --system-site-packages .testenv
 .testenv/bin/python3 -m installer .dist/*.whl
 .testenv/bin/python3 -m pytest
}

package() {
 python3 -m installer -d "$pkgdir" \
  .dist/*.whl
}
```

sha512sums="
cc7cd6b5bd8ea4c99b66f074871ffd7cc78b3e8b1b0d3afd9b95efdb7147c8293db2fac977d684fc34d3d60bd79066a06dc2bff0a38b130d9d83c63538502db1
  license_expression-30.4.0.tar.gz
"

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mini_sendmail - accept email on behalf of real sendmail

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```
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
 "

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
 update_config_sub
 default_prepare
}
```

```
build() {
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
 make
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
```

1.8088 tre 1.2.5-r9

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1.8089 google-golang-org-genproto-googleapis-api 0.0.0-20250106144421-5f5ef82da422

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1.8090 openssh 8.4p1-5+deb11u4

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*
/opt/cola/permits/2361515146_1747387021.5654805/0/openssh-server-8-4p1-5-deb11u5-amd64-zip/openssh-server_8.4p1-5+deb11u5_amd64/data-tar-xz/usr/share/man/man5/sshd-config-5-gz/sshd_config.5
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1.8091 openssh-client-common 9.9_p2-r0

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"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95
http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html

```
# Automatically generated by apkbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
maintainer="Celeste <cielesti@protonmail.com>"
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=10
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

build() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
  INSTALLDIRS=vendor \
  NO_PACKLIST=1 \
  NO_PERLLOCAL=1
 make
}

check() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 make test
```

```
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright"                # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

package() {
 gpep517 install-wheel --destdir "$pkgdir" \
  .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
  flake8-copyright-0.2.4.tar.gz
"
```

```
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
 default_prepare

 cargo fetch --target="$CTARGET" --locked
}

build() {
 cargo auditable build --release --frozen
}

check() {
 cargo test --frozen
}

package() {
 install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5  cargo-license-0.6.1.tar.gz
"
# Contributor: Dhruvin Gandhi <contact@dhru.vin>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license_expression
pkgver=30.4.0
pkgrel=0
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/$_pkgname/$_pkgname-$pkgver.tar.gz"
```

```
builddir="$srcdir/$_pkgname-$pkgver"

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

check() {
 python3 -m venv --clear --without-pip --system-site-packages .testenv
 .testenv/bin/python3 -m installer .dist/*.whl
 .testenv/bin/python3 -m pytest
}

package() {
 python3 -m installer -d "$pkgdir" \
  .dist/*.whl
}

sha512sums="
cc7cd6b5bd8ea4c99b66f074871ffd7cc78b3e8b1b0d3afd9b95efdb7147c8293db2fac977d684fc34d3d60bd79066a06
dc2bff0a38b130d9d83c63538502db1
  license_expression-30.4.0.tar.gz
"
```

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```
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# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
```

```
pkgname=spdx-licenses
pkgver=3.24.0
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
 subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
 mkdir -p "$pkgdir"
}

_subpkg() {
 local type=${subpkgname/$pkgname-/}
 pkgdesc="$pkgdesc ($type)"
 install_if="$pkgname=$pkgver-r$pkgrel"
 mkdir -p "$subpkgdir"/usr/share/spdx
 cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
 pkgdesc="$pkgdesc (licence list)"
 mkdir -p "$subpkgdir"/usr/share/spdx
 local i; for i in "$builddir"/text/*.txt;
 do
  local license=${i##*/}
  echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
 done
}

sha512sums="
6eb81424e1b3173dbd8e17859b2e15dfe1c2af8f4da59b7dad0729c038a4cbdba95c34c2c546285fcdbbd41562e39575e
6a6ebb9463b70121e0a12b99d1307e7  license-list-data-3.24.0.tar.gz
"
```

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   - GMP is no longer used, and instead we call BN code from OpenSSL
   - Zlib is now external, in a library
   - The make-ssh-known-hosts script is no longer included
   - TSS has been removed
   - MD5 is now external, in the OpenSSL library
   - RC4 support has been replaced with ARC4 support from OpenSSL
   - Blowfish is now external, in the OpenSSL library

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```
 * @version 3.0 (December 2000)
 *
 * Optimised ANSI C code for the Rijndael cipher (now AES)
 *
```

```
 * @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
 * @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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1.8092 openssh-client-default 9.9_p2-r0

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```
# Contributor: Patrycja Rosa <alpine@ptrcnull.me>
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pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
 cdefs.h
 queue.h
 tree.h
"
builddir="$srcdir"
options="!check" # just headers

package() {
 mkdir -p "$pkgdir"
 install -Dm644 -t "$pkgdir"/usr/include/sys \
  cdefs.h queue.h tree.h
}
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178  cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750  queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3  tree.h
"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
```

```
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright"                  # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

package() {
 gpep517 install-wheel --destdir "$pkgdir" \
  .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
  flake8-copyright-0.2.4.tar.gz
"
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
 default_prepare

 cargo fetch --target="$CTARGET" --locked
}

build() {
 cargo auditable build --release --frozen
}
```

```
check() {
 cargo test --frozen
}

package() {
 install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5  cargo-license-0.6.1.tar.gz
"
# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=2
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz
 0001-bsd-games-scores-dir.patch
 "
options="!check" # no tests

build() {
 # some GNU autoconf options are ignored, but it works
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr \
  --sysconfdir=/etc \
  --mandir=/usr/share/man \
  --scoredir=/usr/share/$pkgname
 make
}

package() {
 make DESTDIR="$pkgdir" install
 install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}

sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
```

8d3390143e0e62d5e3d210ccfb61294
  bsd-games-3.3.tar.gz
e1def0d4835a877242c4173fae862e278a7858738e0bacacbb045a42bcabec2aa7c72d000bbd2421ce35fe66cdc1f52c0
577b7e278029ca5ed50f7aab22319f6 0001-bsd-games-scores-dir.patch
"
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# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
 "

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
 update_config_sub
 default_prepare
}

build() {
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
 make
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
```

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 - TSS has been removed
 - MD5 is now external, in the OpenSSL library
 - RC4 support has been replaced with ARC4 support from OpenSSL
 - Blowfish is now external, in the OpenSSL library

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```
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 *
 * Optimised ANSI C code for the Rijndael cipher (now AES)
 *
 * @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
 * @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
 * @author Paulo Barreto <paulo.barreto@terra.com.br>
 *
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http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html
# Automatically generated by apkbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
maintainer="Celeste <cielesti@protonmail.com>"
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=10
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"

```
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

build() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
  INSTALLDIRS=vendor \
  NO_PACKLIST=1 \
  NO_PERLLOCAL=1
 make
}

check() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 make test
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"
# Contributor: Dhruvin Gandhi <contact@dhru.vin>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license_expression
pkgver=30.4.0
pkgrel=0
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir/$_pkgname-$pkgver"

build() {
```

```
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

check() {
 python3 -m venv --clear --without-pip --system-site-packages .testenv
 .testenv/bin/python3 -m installer .dist/*.whl
 .testenv/bin/python3 -m pytest
}

package() {
 python3 -m installer -d "$pkgdir" \
  .dist/*.whl
}

sha512sums="
cc7cd6b5bd8ea4c99b66f074871ffd7cc78b3e8b1b0d3afd9b95efdb7147c8293db2fac977d684fc34d3d60bd79066a06
dc2bff0a38b130d9d83c63538502db1
  license_expression-30.4.0.tar.gz
"
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http://members.nbci.com/silicon39/
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https://analoguesque.x10host.com/

```
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
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pkgname=spdx-licenses
pkgver=3.24.0
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
 subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
 mkdir -p "$pkgdir"
}

_subpkg() {
 local type=${subpkgname/$pkgname-/}
 pkgdesc="$pkgdesc ($type)"
 install_if="$pkgname=$pkgver-r$pkgrel"
 mkdir -p "$subpkgdir"/usr/share/spdx
 cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}
```

```
list() {
 pkgdesc="$pkgdesc (licence list)"
 mkdir -p "$subpkgdir"/usr/share/spdx
 local i; for i in "$builddir"/text/*.txt;
 do
  local license=${i##*/}
  echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
 done
}

sha512sums="
6eb81424e1b3173dbd8e17859b2e15dfe1c2af8f4da59b7dad0729c038a4cbdba95c34c2c546285fcdbbd41562e39575e
6a6ebb9463b70121e0a12b99d1307e7  license-list-data-3.24.0.tar.gz
"
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
 "

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
 update_config_sub
 default_prepare
}

build() {
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
 make
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
```

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 - Zlib is now external, in a library
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```
 * @version 3.0 (December 2000)
 *
 * Optimised ANSI C code for the Rijndael cipher (now AES)
 *
 * @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
 * @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
 * @author Paulo Barreto <paulo.barreto@terra.com.br>
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{
"main": "dist/src/index.js",
"dependencies": {
"@azure-tools/typespec-go": "0.3.0"
},
"devDependencies": {
"@azure-tools/typespec-autorest": "0.44.1",
"@azure-tools/typespec-azure-core": "0.44.0",
"@azure-tools/typespec-azure-resource-manager": "0.44.0",
"@azure-tools/typespec-azure-rulesets": "0.44.0",
"@azure-tools/typespec-client-generator-core": "0.44.3",
"@typespec/compiler": "0.58.1",
"@typespec/http": "0.58.0",
"@typespec/openapi": "0.58.0",
"@typespec/rest": "0.58.0",
"@typespec/versioning": "0.58.0"
}
}

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// +build go1.18

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package fake

import (
 "context"
 "errors"
 "fmt"
 azfake "github.com/Azure/azure-sdk-for-go/sdk/azcore/fake"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/fake/server"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/runtime"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/to"
 "github.com/Azure/azure-sdk-for-go/sdk/resourcemanager/hybridcompute/armhybridcompute/v2"
 "net/http"
 "net/url"
 "regexp"
)

// LicensesServer is a fake server for instances of the armhybridcompute.LicensesClient type.
type LicensesServer struct {
 // BeginCreateOrUpdate is the fake for method LicensesClient.BeginCreateOrUpdate
 // HTTP status codes to indicate success:
 http.StatusOK
 BeginCreateOrUpdate func(ctx context.Context, resourceGroupName string, licenseName string, parameters
armhybridcompute.License, options *armhybridcompute.LicensesClientBeginCreateOrUpdateOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientCreateOrUpdateResponse], errResp
azfake.ErrorResponder)

 // BeginDelete is the fake for method LicensesClient.BeginDelete
 // HTTP status codes to indicate success: http.StatusOK, http.StatusNoContent
 BeginDelete func(ctx context.Context, resourceGroupName string, licenseName string, options
*armhybridcompute.LicensesClientBeginDeleteOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientDeleteResponse], errResp azfake.ErrorResponder)

 // Get is the fake for method LicensesClient.Get
 // HTTP status codes to indicate success: http.StatusOK
 Get func(ctx context.Context, resourceGroupName string, licenseName string, options
*armhybridcompute.LicensesClientGetOptions) (resp
```

```
azfake.Responder[armhybridcompute.LicensesClientGetResponse],
 errResp azfake.ErrorResponder)

 // NewListByResourceGroupPager is the fake for method LicensesClient.NewListByResourceGroupPager
 // HTTP status codes to indicate success: http.StatusOK
 NewListByResourceGroupPager func(resourceGroupName string, options
*armhybridcompute.LicensesClientListByResourceGroupOptions) (resp
azfake.PagerResponder[armhybridcompute.LicensesClientListByResourceGroupResponse])

 // NewListBySubscriptionPager is the fake for method LicensesClient.NewListBySubscriptionPager
 // HTTP status codes to indicate success: http.StatusOK
 NewListBySubscriptionPager func(options *armhybridcompute.LicensesClientListBySubscriptionOptions) (resp
azfake.PagerResponder[armhybridcompute.LicensesClientListBySubscriptionResponse])

 // BeginUpdate is the fake for method LicensesClient.BeginUpdate
 // HTTP status codes to indicate success: http.StatusOK
 BeginUpdate func(ctx context.Context, resourceGroupName string, licenseName string, parameters
 armhybridcompute.LicenseUpdate, options *armhybridcompute.LicensesClientBeginUpdateOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientUpdateResponse], errResp azfake.ErrorResponder)
}

// NewLicensesServerTransport creates a new instance of LicensesServerTransport with the provided
implementation.
// The returned LicensesServerTransport instance is connected to an instance of armhybridcompute.LicensesClient
via the
// azcore.ClientOptions.Transporter field in the client's constructor parameters.
func NewLicensesServerTransport(srv *LicensesServer) *LicensesServerTransport {
 return &LicensesServerTransport{
  srv:                    srv,
  beginCreateOrUpdate:
newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientCreateOrUpdateResponse]](),
  beginDelete:              newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientDeleteResponse]](),
  newListByResourceGroupPager:
newTracker[azfake.PagerResponder[armhybridcompute.LicensesClientListByResourceGroupResponse]](),
  newListBySubscriptionPager:
  newTracker[azfake.PagerResponder[armhybridcompute.LicensesClientListBySubscriptionResponse]](),
  beginUpdate:              newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientUpdateResponse]](),
 }
}

// LicensesServerTransport connects instances of armhybridcompute.LicensesClient to instances of LicensesServer.
// Don't use this type directly, use NewLicensesServerTransport instead.
type LicensesServerTransport struct {
 srv                    *LicensesServer
 beginCreateOrUpdate
*tracker[azfake.PollerResponder[armhybridcompute.LicensesClientCreateOrUpdateResponse]]
 beginDelete              *tracker[azfake.PollerResponder[armhybridcompute.LicensesClientDeleteResponse]]
 newListByResourceGroupPager
```

```
*tracker[azfake.PagerResponder[armhybridcompute.LicensesClientListByResourceGroupResponse]]
 newListBySubscriptionPager
*tracker[azfake.PagerResponder[armhybridcompute.LicensesClientListBySubscriptionResponse]]
 beginUpdate
                *tracker[azfake.PollerResponder[armhybridcompute.LicensesClientUpdateResponse]]
}

// Do implements the policy.Transporter interface for LicensesServerTransport.
func (l *LicensesServerTransport) Do(req *http.Request) (*http.Response, error) {
 rawMethod := req.Context().Value(runtime.CtxAPINameKey{})
 method, ok := rawMethod.(string)
 if !ok {
  return nil, nonRetriableError{errors.New("unable to dispatch request, missing value for CtxAPINameKey")}
 }

 var resp *http.Response
 var err error

 switch method {
 case "LicensesClient.BeginCreateOrUpdate":
  resp, err = l.dispatchBeginCreateOrUpdate(req)
 case "LicensesClient.BeginDelete":
  resp, err = l.dispatchBeginDelete(req)
 case "LicensesClient.Get":
  resp, err = l.dispatchGet(req)
 case "LicensesClient.NewListByResourceGroupPager":
  resp, err = l.dispatchNewListByResourceGroupPager(req)
 case "LicensesClient.NewListBySubscriptionPager":
  resp, err = l.dispatchNewListBySubscriptionPager(req)
 case
 "LicensesClient.BeginUpdate":
  resp, err = l.dispatchBeginUpdate(req)
 default:
  err = fmt.Errorf("unhandled API %s", method)
 }

 if err != nil {
  return nil, err
 }

 return resp, nil
}

func (l *LicensesServerTransport) dispatchBeginCreateOrUpdate(req *http.Request) (*http.Response, error) {
 if l.srv.BeginCreateOrUpdate == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginCreateOrUpdate not implemented")}
 }
 beginCreateOrUpdate := l.beginCreateOrUpdate.get(req)
```

```
 if beginCreateOrUpdate == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 3 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  body,
 err := server.UnmarshalRequestAsJSON[armhybridcompute.License](req)
  if err != nil {
   return nil, err
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if err != nil {
   return nil, err
  }
  licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
  if err != nil {
   return nil, err
  }
  respr, errRespr := l.srv.BeginCreateOrUpdate(req.Context(), resourceGroupNameParam, licenseNameParam, body,
nil)
  if respErr := server.GetError(errRespr, req); respErr != nil {
   return nil, respErr
  }
  beginCreateOrUpdate = &respr
  l.beginCreateOrUpdate.add(req, beginCreateOrUpdate)
 }

 resp, err := server.PollerResponderNext(beginCreateOrUpdate, req)
 if err != nil {
  return nil, err
 }

 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.beginCreateOrUpdate.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if
 !server.PollerResponderMore(beginCreateOrUpdate) {
  l.beginCreateOrUpdate.remove(req)
 }

 return resp, nil
}
```

```
func (l *LicensesServerTransport) dispatchBeginDelete(req *http.Request) (*http.Response, error) {
 if l.srv.BeginDelete == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginDelete not implemented")}
 }
 beginDelete := l.beginDelete.get(req)
 if beginDelete == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 3 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if err != nil {
   return
 nil, err
  }
  licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
  if err != nil {
   return nil, err
  }
  respr, errRespr := l.srv.BeginDelete(req.Context(), resourceGroupNameParam, licenseNameParam, nil)
  if respErr := server.GetError(errRespr, req); respErr != nil {
   return nil, respErr
  }
  beginDelete = &respr
  l.beginDelete.add(req, beginDelete)
 }

 resp, err := server.PollerResponderNext(beginDelete, req)
 if err != nil {
  return nil, err
 }

 if !contains([]int{http.StatusOK, http.StatusNoContent}, resp.StatusCode) {
  l.beginDelete.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK,
http.StatusNoContent", resp.StatusCode)}
 }
 if !server.PollerResponderMore(beginDelete) {
  l.beginDelete.remove(req)
 }

 return resp, nil
}
```

```
func (l *LicensesServerTransport) dispatchGet(req *http.Request) (*http.Response, error) {
 if l.srv.Get == nil {
  return nil, &nonRetriableError{errors.New("fake
 for method Get not implemented")}
 }
 const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
 regex := regexp.MustCompile(regexStr)
 matches := regex.FindStringSubmatch(req.URL.EscapedPath())
 if matches == nil || len(matches) < 3 {
  return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
 }
 resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
 if err != nil {
  return nil, err
 }
 licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
 if err != nil {
  return nil, err
 }
 respr, errRespr := l.srv.Get(req.Context(), resourceGroupNameParam, licenseNameParam, nil)
 if respErr := server.GetError(errRespr, req); respErr != nil {
  return nil, respErr
 }
 respContent := server.GetResponseContent(respr)
 if
 !contains([]int{http.StatusOK}, respContent.HTTPStatus) {
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
respContent.HTTPStatus)}
 }
 resp, err := server.MarshalResponseAsJSON(respContent, server.GetResponse(respr).License, req)
 if err != nil {
  return nil, err
 }
 return resp, nil
}

func (l *LicensesServerTransport) dispatchNewListByResourceGroupPager(req *http.Request) (*http.Response,
error) {
 if l.srv.NewListByResourceGroupPager == nil {
  return nil, &nonRetriableError{errors.New("fake for method NewListByResourceGroupPager not implemented")}
 }
 newListByResourceGroupPager := l.newListByResourceGroupPager.get(req)
 if newListByResourceGroupPager == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
```

```
9~%@]+)/providers/Microsoft\.HybridCompute/licenses`
  regex := regexp.MustCompile(regexStr)
  matches :=
 regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 2 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if err != nil {
   return nil, err
  }
  resp := l.srv.NewListByResourceGroupPager(resourceGroupNameParam, nil)
  newListByResourceGroupPager = &resp
  l.newListByResourceGroupPager.add(req, newListByResourceGroupPager)
  server.PagerResponderInjectNextLinks(newListByResourceGroupPager, req, func(page
*armhybridcompute.LicensesClientListByResourceGroupResponse, createLink func() string) {
   page.NextLink = to.Ptr(createLink())
  })
 }
 resp, err := server.PagerResponderNext(newListByResourceGroupPager, req)
 if err != nil {
  return nil, err
 }
 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.newListByResourceGroupPager.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values
 are http.StatusOK", resp.StatusCode)}
 }
 if !server.PagerResponderMore(newListByResourceGroupPager) {
  l.newListByResourceGroupPager.remove(req)
 }
 return resp, nil
}

func (l *LicensesServerTransport) dispatchNewListBySubscriptionPager(req *http.Request) (*http.Response, error)
{
 if l.srv.NewListBySubscriptionPager == nil {
  return nil, &nonRetriableError{errors.New("fake for method NewListBySubscriptionPager not implemented")}
 }
 newListBySubscriptionPager := l.newListBySubscriptionPager.get(req)
 if newListBySubscriptionPager == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 1 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
```

```
 resp := l.srv.NewListBySubscriptionPager(nil)
 newListBySubscriptionPager = &resp
 l.newListBySubscriptionPager.add(req,
newListBySubscriptionPager)
 server.PagerResponderInjectNextLinks(newListBySubscriptionPager, req, func(page
*armhybridcompute.LicensesClientListBySubscriptionResponse, createLink func() string) {
  page.NextLink = to.Ptr(createLink())
 })
}
resp, err := server.PagerResponderNext(newListBySubscriptionPager, req)
if err != nil {
 return nil, err
}
if !contains([]int{http.StatusOK}, resp.StatusCode) {
 l.newListBySubscriptionPager.remove(req)
 return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
}
if !server.PagerResponderMore(newListBySubscriptionPager) {
 l.newListBySubscriptionPager.remove(req)
}
return resp, nil
}

func (l *LicensesServerTransport) dispatchBeginUpdate(req *http.Request) (*http.Response, error) {
if l.srv.BeginUpdate == nil {
 return nil, &nonRetriableError{errors.New("fake for method BeginUpdate not implemented")}
}
beginUpdate := l.beginUpdate.get(req)
if
beginUpdate == nil {
 const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
 regex := regexp.MustCompile(regexStr)
 matches := regex.FindStringSubmatch(req.URL.EscapedPath())
 if matches == nil || len(matches) < 3 {
  return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
 }
 body, err := server.UnmarshalRequestAsJSON[armhybridcompute.LicenseUpdate](req)
 if err != nil {
  return nil, err
 }
 resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
 if err != nil {
  return nil, err
 }
 licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
```

```
 if err != nil {
  return nil, err
 }
 respr, errRespr := l.srv.BeginUpdate(req.Context(), resourceGroupNameParam, licenseNameParam, body, nil)
 if respErr := server.GetError(errRespr,
req); respErr != nil {
  return nil, respErr
 }
 beginUpdate = &respr
 l.beginUpdate.add(req, beginUpdate)
}

resp, err := server.PollerResponderNext(beginUpdate, req)
if err != nil {
 return nil, err
}

if !contains([]int{http.StatusOK}, resp.StatusCode) {
 l.beginUpdate.remove(req)
 return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
}
if !server.PollerResponderMore(beginUpdate) {
 l.beginUpdate.remove(req)
}

return resp, nil
}
//go:build go1.18
// +build go1.18

// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License. See License.txt in the project root for license information.
// Code generated by Microsoft (R) AutoRest Code Generator. DO NOT EDIT.
// Changes may cause incorrect behavior and will be lost if the code is regenerated.

package armhybridcompute

import (
 "context"
 "errors"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/arm"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/policy"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/runtime"
 "net/http"
 "net/url"
 "strings"
```

```
)

// LicensesClient contains the methods for the Licenses group.
// Don't use this type directly, use NewLicensesClient() instead.
type LicensesClient struct {
 internal       *arm.Client
 subscriptionID string
}

// NewLicensesClient creates a new instance of LicensesClient with the specified values.
//   - subscriptionID - The ID of the target
 subscription.
//   - credential - used to authorize requests. Usually a credential from azidentity.
//   - options - pass nil to accept the default values.
func NewLicensesClient(subscriptionID string, credential azcore.TokenCredential, options *arm.ClientOptions)
(*LicensesClient, error) {
 cl, err := arm.NewClient(moduleName, moduleVersion, credential, options)
 if err != nil {
  return nil, err
 }
 client := &LicensesClient{
  subscriptionID: subscriptionID,
  internal:       cl,
 }
 return client, nil
}

// BeginCreateOrUpdate - The operation to create or update a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-05-20-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName - The name of the license.
//   - parameters - Parameters supplied to the Create license operation.
//   - options - LicensesClientBeginCreateOrUpdateOptions contains the optional parameters
 for the LicensesClient.BeginCreateOrUpdate
//     method.
func (client *LicensesClient) BeginCreateOrUpdate(ctx context.Context, resourceGroupName string, licenseName
string, parameters License, options *LicensesClientBeginCreateOrUpdateOptions)
(*runtime.Poller[LicensesClientCreateOrUpdateResponse], error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.createOrUpdate(ctx, resourceGroupName, licenseName, parameters, options)
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientCreateOrUpdateResponse]{
   Tracer: client.internal.Tracer(),
```

```
  })
  return poller, err
 } else {
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientCreateOrUpdateResponse]{
   Tracer: client.internal.Tracer(),
  })
 }
}

// CreateOrUpdate - The operation to create or update a license.
// If the
 operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-05-20-preview
func (client *LicensesClient) createOrUpdate(ctx context.Context, resourceGroupName string, licenseName string,
parameters License, options *LicensesClientBeginCreateOrUpdateOptions) (*http.Response, error) {
 var err error
 const operationName = "LicensesClient.BeginCreateOrUpdate"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.createOrUpdateCreateRequest(ctx, resourceGroupName, licenseName, parameters, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return nil, err
 }
 return httpResp, nil
}

// createOrUpdateCreateRequest creates
 the CreateOrUpdate request.
func (client *LicensesClient) createOrUpdateCreateRequest(ctx context.Context, resourceGroupName string,
licenseName string, parameters License, options *LicensesClientBeginCreateOrUpdateOptions) (*policy.Request,
error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
```

```
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}", url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx,
 http.MethodPut, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2024-05-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 if err := runtime.MarshalAsJSON(req, parameters); err != nil {
  return nil, err
 }
 return req, nil
}

// BeginDelete - The operation to delete a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-05-20-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName - The name of the license.
//   - options - LicensesClientBeginDeleteOptions contains the optional parameters for the
LicensesClient.BeginDelete method.
func (client *LicensesClient) BeginDelete(ctx context.Context, resourceGroupName string, licenseName string,
options *LicensesClientBeginDeleteOptions) (*runtime.Poller[LicensesClientDeleteResponse],
 error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.deleteOperation(ctx, resourceGroupName, licenseName, options)
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientDeleteResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientDeleteResponse]{
```

```
  Tracer: client.internal.Tracer(),
 })
}
}

// Delete - The operation to delete a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-05-20-preview
func (client *LicensesClient) deleteOperation(ctx context.Context, resourceGroupName string, licenseName string,
options *LicensesClientBeginDeleteOptions) (*http.Response, error) {
 var err error
 const
 operationName = "LicensesClient.BeginDelete"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.deleteCreateRequest(ctx, resourceGroupName, licenseName, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK, http.StatusNoContent) {
  err = runtime.NewResponseError(httpResp)
  return nil, err
 }
 return httpResp, nil
}

// deleteCreateRequest creates the Delete request.
func (client *LicensesClient) deleteCreateRequest(ctx context.Context, resourceGroupName string, licenseName
string, options *LicensesClientBeginDeleteOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if
 client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if licenseName == "" {
```

```
 return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}", url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx, http.MethodDelete, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2024-05-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// Get - Retrieves information about the view of a license.
//
 If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-05-20-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName - The name of the license.
//   - options - LicensesClientGetOptions contains the optional parameters for the LicensesClient.Get method.
func (client *LicensesClient) Get(ctx context.Context, resourceGroupName string, licenseName string, options
*LicensesClientGetOptions) (LicensesClientGetResponse, error) {
 var err error
 const operationName = "LicensesClient.Get"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.getCreateRequest(ctx, resourceGroupName, licenseName, options)
 if err != nil {
  return LicensesClientGetResponse{}, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil
 {
  return LicensesClientGetResponse{}, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return LicensesClientGetResponse{}, err
 }
 resp, err := client.getHandleResponse(httpResp)
 return resp, err
}

// getCreateRequest creates the Get request.
func (client *LicensesClient) getCreateRequest(ctx context.Context, resourceGroupName string, licenseName
```

```
string, options *LicensesClientGetOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if
 licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}", url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx, http.MethodGet, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2024-05-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// getHandleResponse handles the Get response.
func (client *LicensesClient) getHandleResponse(resp *http.Response) (LicensesClientGetResponse, error) {
 result := LicensesClientGetResponse{}
 if err := runtime.UnmarshalAsJSON(resp, &result.License); err != nil {
  return LicensesClientGetResponse{}, err
 }
 return result, nil
}

// NewListByResourceGroupPager - The operation to get all licenses of a non-Azure machine
//
// Generated from
 API version 2024-05-20-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - options - LicensesClientListByResourceGroupOptions contains the optional parameters for the
LicensesClient.NewListByResourceGroupPager
//     method.
func (client *LicensesClient) NewListByResourceGroupPager(resourceGroupName string, options
*LicensesClientListByResourceGroupOptions) *runtime.Pager[LicensesClientListByResourceGroupResponse] {
 return runtime.NewPager(runtime.PagingHandler[LicensesClientListByResourceGroupResponse]{
```

```
  More: func(page LicensesClientListByResourceGroupResponse) bool {
   return page.NextLink != nil && len(*page.NextLink) > 0
  },
  Fetcher: func(ctx context.Context, page *LicensesClientListByResourceGroupResponse)
(LicensesClientListByResourceGroupResponse, error) {
   ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, "LicensesClient.NewListByResourceGroupPager")
   nextLink := ""
   if page != nil {
    nextLink = *page.NextLink
   }
   resp,
 err := runtime.FetcherForNextLink(ctx, client.internal.Pipeline(), nextLink, func(ctx context.Context)
(*policy.Request, error) {
    return client.listByResourceGroupCreateRequest(ctx, resourceGroupName, options)
   }, nil)
   if err != nil {
    return LicensesClientListByResourceGroupResponse{}, err
   }
   return client.listByResourceGroupHandleResponse(resp)
  },
  Tracer: client.internal.Tracer(),
 })
}

// listByResourceGroupCreateRequest creates the ListByResourceGroup request.
func (client *LicensesClient) listByResourceGroupCreateRequest(ctx context.Context, resourceGroupName string,
options *LicensesClientListByResourceGroupOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es"
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if
 client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 req, err := runtime.NewRequest(ctx, http.MethodGet, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2024-05-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
```

```
}

// listByResourceGroupHandleResponse handles the ListByResourceGroup response.
func (client *LicensesClient) listByResourceGroupHandleResponse(resp *http.Response)
(LicensesClientListByResourceGroupResponse, error) {
 result := LicensesClientListByResourceGroupResponse{}
 if err := runtime.UnmarshalAsJSON(resp, &result.LicensesListResult); err != nil {
  return LicensesClientListByResourceGroupResponse{}, err
 }
 return
 result, nil
}

// NewListBySubscriptionPager - The operation to get all licenses of a non-Azure machine
//
// Generated from API version 2024-05-20-preview
//   - options - LicensesClientListBySubscriptionOptions contains the optional parameters for the
LicensesClient.NewListBySubscriptionPager
//     method.
func (client *LicensesClient) NewListBySubscriptionPager(options *LicensesClientListBySubscriptionOptions)
*runtime.Pager[LicensesClientListBySubscriptionResponse] {
 return runtime.NewPager(runtime.PagingHandler[LicensesClientListBySubscriptionResponse]{
  More: func(page LicensesClientListBySubscriptionResponse) bool {
   return page.NextLink != nil && len(*page.NextLink) > 0
  },
  Fetcher: func(ctx context.Context, page *LicensesClientListBySubscriptionResponse)
(LicensesClientListBySubscriptionResponse, error) {
   ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, "LicensesClient.NewListBySubscriptionPager")
   nextLink := ""
   if page != nil {
    nextLink = *page.NextLink
   }
   resp,
 err := runtime.FetcherForNextLink(ctx, client.internal.Pipeline(), nextLink, func(ctx context.Context)
(*policy.Request, error) {
    return client.listBySubscriptionCreateRequest(ctx, options)
   }, nil)
   if err != nil {
    return LicensesClientListBySubscriptionResponse{}, err
   }
   return client.listBySubscriptionHandleResponse(resp)
  },
  Tracer: client.internal.Tracer(),
 })
}

// listBySubscriptionCreateRequest creates the ListBySubscription request.
func (client *LicensesClient) listBySubscriptionCreateRequest(ctx context.Context, options
```

```
*LicensesClientListBySubscriptionOptions) (*policy.Request, error) {
 urlPath := "/subscriptions/{subscriptionId}/providers/Microsoft.HybridCompute/licenses"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 req, err := runtime.NewRequest(ctx, http.MethodGet,
 runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2024-05-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// listBySubscriptionHandleResponse handles the ListBySubscription response.
func (client *LicensesClient) listBySubscriptionHandleResponse(resp *http.Response)
(LicensesClientListBySubscriptionResponse, error) {
 result := LicensesClientListBySubscriptionResponse{}
 if err := runtime.UnmarshalAsJSON(resp, &result.LicensesListResult); err != nil {
  return LicensesClientListBySubscriptionResponse{}, err
 }
 return result, nil
}

// BeginUpdate - The operation to update a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-05-20-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName
 - The name of the license.
//   - parameters - Parameters supplied to the Update license operation.
//   - options - LicensesClientBeginUpdateOptions contains the optional parameters for the
LicensesClient.BeginUpdate method.
func (client *LicensesClient) BeginUpdate(ctx context.Context, resourceGroupName string, licenseName string,
parameters LicenseUpdate, options *LicensesClientBeginUpdateOptions)
(*runtime.Poller[LicensesClientUpdateResponse], error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.update(ctx, resourceGroupName, licenseName, parameters, options)
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientUpdateResponse]{
```

```
  Tracer: client.internal.Tracer(),
 })
 return poller, err
} else {
 return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientUpdateResponse]{
  Tracer:
client.internal.Tracer(),
 })
}
}

// Update - The operation to update a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2024-05-20-preview
func (client *LicensesClient) update(ctx context.Context, resourceGroupName string, licenseName string,
parameters LicenseUpdate, options *LicensesClientBeginUpdateOptions) (*http.Response, error) {
 var err error
 const operationName = "LicensesClient.BeginUpdate"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.updateCreateRequest(ctx, resourceGroupName, licenseName, parameters, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return
 nil, err
 }
 return httpResp, nil
}

// updateCreateRequest creates the Update request.
func (client *LicensesClient) updateCreateRequest(ctx context.Context, resourceGroupName string, licenseName
string, parameters LicenseUpdate, options *LicensesClientBeginUpdateOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
```

```
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}",
 url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx, http.MethodPatch, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2024-05-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 if err := runtime.MarshalAsJSON(req, parameters); err != nil {
  return nil, err
 }
 return req, nil
}
```

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```
//go:build go1.18
// +build go1.18

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// Code generated by Microsoft (R) AutoRest Code Generator.
// Changes may cause incorrect behavior and will be lost if the code is regenerated.
// DO NOT EDIT.

package armhybridcompute_test

import (
 "context"
 "log"

 "github.com/Azure/azure-sdk-for-go/sdk/azcore/to"
 "github.com/Azure/azure-sdk-for-go/sdk/azidentity"
 "github.com/Azure/azure-sdk-for-go/sdk/resourcemanager/hybridcompute/armhybridcompute/v2"
)

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/b574e2a41acda14a90ef237006e8bbdda2b63c63/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2024-05-20-preview/examples/license/License_CreateOrUpdate.json
func ExampleLicensesClient_BeginCreateOrUpdate() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil
 {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
```

```
 }
 poller, err := clientFactory.NewLicensesClient().BeginCreateOrUpdate(ctx, "myResourceGroup", "{licenseName}",
armhybridcompute.License{
  Location: to.Ptr("eastus2euap"),
  Properties: &armhybridcompute.LicenseProperties{
   LicenseDetails: &armhybridcompute.LicenseDetails{
    Type:       to.Ptr(armhybridcompute.LicenseCoreTypePCore),
    Edition:    to.Ptr(armhybridcompute.LicenseEditionDatacenter),
    Processors: to.Ptr[int32](6),
    State:      to.Ptr(armhybridcompute.LicenseStateActivated),
    Target:     to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
   },
   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
  },
 }, nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 res, err := poller.PollUntilDone(ctx,
 nil)
 if err != nil {
  log.Fatalf("failed to pull the result: %v", err)
 }
 // You could use response here. We use blank identifier for just demo purposes.
 _ = res
 // If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
 // res.License = armhybridcompute.License{
 //  Name: to.Ptr("{licenseName}"),
 //  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
 //  ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
 //  Location: to.Ptr("eastus2euap"),
 //  Properties: &armhybridcompute.LicenseProperties{
 //   LicenseDetails: &armhybridcompute.LicenseDetails{
 //    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
 //    AssignedLicenses: to.Ptr[int32](2),
 //    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //    ImmutableID:
 to.Ptr("<generated Guid>"),
 //    Processors: to.Ptr[int32](6),
 //    State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //   },
 //   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //   TenantID: to.Ptr("{tenandId}"),
 //  },
```

```
 // }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/b574e2a41acda14a90ef237006e8bbdda2b63c63/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2024-05-20-preview/examples/license/License_Update.json
func ExampleLicensesClient_BeginUpdate() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 poller, err := clientFactory.NewLicensesClient().BeginUpdate(ctx,
 "myResourceGroup", "{licenseName}", armhybridcompute.LicenseUpdate{
  Properties: &armhybridcompute.LicenseUpdateProperties{
   LicenseDetails: &armhybridcompute.LicenseUpdatePropertiesLicenseDetails{
    Type:       to.Ptr(armhybridcompute.LicenseCoreTypePCore),
    Edition:    to.Ptr(armhybridcompute.LicenseEditionDatacenter),
    Processors: to.Ptr[int32](6),
    State:      to.Ptr(armhybridcompute.LicenseStateActivated),
    Target:     to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
   },
   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
  },
 }, nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 res, err := poller.PollUntilDone(ctx, nil)
 if err != nil {
  log.Fatalf("failed to pull the result: %v", err)
 }
 // You could use response here. We use blank identifier for just demo purposes.
 _ = res
 // If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please
 pay attention that all the values in the output are fake values for just demo purposes.
 // res.License = armhybridcompute.License{
 //  Name: to.Ptr("{licenseName}"),
 //  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
 //  ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/lice
nses/{licenseName}"),
 //  Location: to.Ptr("eastus2euap"),
```

```
 //  Properties: &armhybridcompute.LicenseProperties{
 //   LicenseDetails: &armhybridcompute.LicenseDetails{
 //    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
 //    AssignedLicenses: to.Ptr[int32](8),
 //    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //    ImmutableID: to.Ptr("<generated Guid>"),
 //    Processors: to.Ptr[int32](6),
 //    State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //   },
 //   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //   TenantID: to.Ptr("{tenandId}"),
 //
  },
 // }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/b574e2a41acda14a90ef237006e8bbdda2b63c63/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2024-05-20-preview/examples/license/License_Get.json
func ExampleLicensesClient_Get() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 res, err := clientFactory.NewLicensesClient().Get(ctx, "myResourceGroup", "{licenseName}", nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 // You could use response here. We use blank identifier for just demo purposes.
 _ = res
 // If the HTTP response code is 200 as defined in example definition, your response structure would
 look as follows. Please pay attention that all the values in the output are fake values for just demo purposes.
 // res.License = armhybridcompute.License{
 //  Name: to.Ptr("{licenseName}"),
 //  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
 //  ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
 //  Location: to.Ptr("eastus2euap"),
 //  Properties: &armhybridcompute.LicenseProperties{
 //   LicenseDetails: &armhybridcompute.LicenseDetails{
 //    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
```

```
 //    AssignedLicenses: to.Ptr[int32](8),
 //    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //    ImmutableID: to.Ptr("<generated Guid>"),
 //    Processors: to.Ptr[int32](6),
 //    State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //   },
 //   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //
   TenantID: to.Ptr("{tenandId}"),
 //  },
 // }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/b574e2a41acda14a90ef237006e8bbdda2b63c63/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2024-05-20-preview/examples/license/License_Delete.json
func ExampleLicensesClient_BeginDelete() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 poller, err := clientFactory.NewLicensesClient().BeginDelete(ctx, "myResourceGroup", "{licenseName}", nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 _, err = poller.PollUntilDone(ctx, nil)
 if err != nil {
  log.Fatalf("failed to pull the result: %v", err)
 }
}

// Generated from example
 definition: https://github.com/Azure/azure-rest-api-
specs/blob/b574e2a41acda14a90ef237006e8bbdda2b63c63/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2024-05-20-
preview/examples/license/License_ListByResourceGroup.json
func ExampleLicensesClient_NewListByResourceGroupPager() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
```

```
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 pager := clientFactory.NewLicensesClient().NewListByResourceGroupPager("myResourceGroup", nil)
 for pager.More() {
  page, err := pager.NextPage(ctx)
  if err != nil {
   log.Fatalf("failed to advance page: %v", err)
  }
  for _, v := range page.Value {
   // You could use page here. We use blank identifier for just demo purposes.
   _ = v
  }
  // If the HTTP response
 code is 200 as defined in example definition, your page structure would look as follows. Please pay attention that all
the values in the output are fake values for just demo purposes.
  // page.LicensesListResult = armhybridcompute.LicensesListResult{
  //  Value: []*armhybridcompute.License{
  //   {
  //    Name: to.Ptr("{licenseName}"),
  //    Type: to.Ptr("Microsoft.HybridCompute/licenses"),
  //    ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
  //    Location: to.Ptr("eastus2euap"),
  //    Properties: &armhybridcompute.LicenseProperties{
  //     LicenseDetails: &armhybridcompute.LicenseDetails{
  //      Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
  //      AssignedLicenses: to.Ptr[int32](8),
  //      Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
  //      ImmutableID: to.Ptr("<generated Guid>"),
  //      Processors: to.Ptr[int32](6),
  //      State: to.Ptr(armhybridcompute.LicenseStateActivated),
  //
     Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
  //     },
  //     LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
  //     TenantID: to.Ptr("{tenandId}"),
  //    },
  //  }},
  // }
 }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/b574e2a41acda14a90ef237006e8bbdda2b63c63/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2024-05-20-
```

```
preview/examples/license/License_ListBySubscription.json
func ExampleLicensesClient_NewListBySubscriptionPager() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 pager := clientFactory.NewLicensesClient().NewListBySubscriptionPager(nil)
 for pager.More()
 {
  page, err := pager.NextPage(ctx)
  if err != nil {
   log.Fatalf("failed to advance page: %v", err)
  }
  for _, v := range page.Value {
   // You could use page here. We use blank identifier for just demo purposes.
   _ = v
  }
  // If the HTTP response code is 200 as defined in example definition, your page structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
  // page.LicensesListResult = armhybridcompute.LicensesListResult{
  //  Value: []*armhybridcompute.License{
  //   {
  //    Name: to.Ptr("{licenseName}"),
  //    Type: to.Ptr("Microsoft.HybridCompute/licenses"),
  //    ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
  //    Location: to.Ptr("eastus2euap"),
  //    Properties: &armhybridcompute.LicenseProperties{
  //     LicenseDetails: &armhybridcompute.LicenseDetails{
  //      Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
  //
     AssignedLicenses: to.Ptr[int32](8),
  //      Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
  //      ImmutableID: to.Ptr("<generated Guid>"),
  //      Processors: to.Ptr[int32](6),
  //      State: to.Ptr(armhybridcompute.LicenseStateActivated),
  //      Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
  //     },
  //     LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
  //     TenantID: to.Ptr("{tenandId}"),
  //    },
  //  }},
```

// }
}
}
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1.8101 etcd-pkg 3.5.16

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1.8102 compose-go 2.4.8

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1.8103 tonistiigi-go-actions-cache 0.0.0-20250219102945-1a5174abd055

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 // Cardinality: conditional (mandatory, one) if license is not
 //              on SPDX License List
 LicenseIdentifier string `json:"licenseId"`

 // 10.2: Extracted Text
 // Cardinality: conditional (mandatory, one) if there is a
 //              License Identifier assigned
 ExtractedText string `json:"extractedText"`

 // 10.3: License Name: single line of text or "NOASSERTION"
 // Cardinality: conditional (mandatory, one) if license is not
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 LicenseName string `json:"name,omitempty"`

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 // Cardinality: conditional (optional, one or many) if license
 //              is not on SPDX License List
 LicenseCrossReferences []string `json:"seeAlsos,omitempty"`

 //
 10.5: License Comment
 // Cardinality: optional, one
 LicenseComment string `json:"comment,omitempty"`
}
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Go support for Protocol Buffers - Google's data interchange format

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package v2_1

// OtherLicense is an Other License Information section of an
// SPDX Document for version 2.1 of the spec.
type OtherLicense struct {
 // 6.1: License Identifier: "LicenseRef-[idstring]"
 // Cardinality: conditional (mandatory, one) if license is not
 //              on SPDX License List
 LicenseIdentifier string `json:"licenseId"`

 // 6.2: Extracted Text
 // Cardinality: conditional (mandatory, one) if there is a
 //              License Identifier assigned
 ExtractedText string `json:"extractedText"`

 // 6.3: License Name: single line of text or "NOASSERTION"
 // Cardinality: conditional (mandatory, one) if license is not
 //              on SPDX License List
 LicenseName string `json:"name,omitempty"`
```

```
// 6.4: License Cross Reference
// Cardinality: conditional (optional, one or many) if license
//              is not on SPDX License List
LicenseCrossReferences []string `json:"seeAlsos,omitempty"`

// 6.5:
License Comment
// Cardinality: optional, one
LicenseComment string `json:"comment,omitempty"`
}
```

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// OtherLicense is an Other License Information section of an SPDX Document
type OtherLicense struct {
 // 10.1: License Identifier: "LicenseRef-[idstring]"
 // Cardinality: conditional (mandatory, one) if license is not
 //              on SPDX License List
 LicenseIdentifier string `json:"licenseId"`

 // 10.2: Extracted Text
 // Cardinality: conditional (mandatory, one) if there is a
 //              License Identifier assigned
 ExtractedText string `json:"extractedText"`
```

```
 // 10.3: License Name: single line of text or "NOASSERTION"
 // Cardinality: conditional (mandatory, one) if license is not
 //              on SPDX License List
 LicenseName string `json:"name,omitempty"`

 // 10.4: License Cross Reference
 // Cardinality: conditional (optional, one or many) if license
 //              is not on SPDX License List
 LicenseCrossReferences []string `json:"seeAlsos,omitempty"`

 // 10.5: License Comment
 // Cardinality:
 optional, one
 LicenseComment string `json:"comment,omitempty"`
}
```

procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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localtime.go, localtime_test.go:

Originals:
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Changes:
* Renamed files from civil* to localtime*.
* Package changed from civil to toml.
* 'Local' prefix added to all structs.
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lib/erl/src/Makefile.am

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components:

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```

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```
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```

*/
(By Douglas Crockford <douglas@crockford.com>)

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*/

For lib/py/compat/win32/stdint.h

// ISO C9x compliant stdint.h for Microsoft Visual Studio
// Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124
//
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1.8105 etcd-server 3.5.16

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1.8106 cachetools 5.5.2

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==========

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a
non-profit organization created specifically to own Python-related
Intellectual Property. Zope Corporation is a sponsoring member
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All Python releases are Open Source (see http://www.opensource.org for
the Open Source Definition). Historically, most, but not all, Python
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Release	Derived from	Year	Owner	GPL-compatible? (1)

0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2		2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
3.2	3.1	2010	PSF	yes

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Distutils2 Contributors
==========

The Distutils2 project was started by Tarek Ziad and is currently
maintained by ric Araujo. Many people have contributed to the project.

distlib has started off using some of the code from distutil2.

If you're making a patch, please add your name below in alphabetical order,
and welcome into the Fellowship of the Packaging!

Thanks to:

- Rajiv Abraham
- Ali Afshar
- David Barnett
- Pior Bastida
- Anthony Baxter

- Erik Bray
- C. Titus Brown
- Francisco Martn Brugu
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- Vinay Sajip
- Victor Stinner
- Alexandre Vassalotti
- Nadeem Vawda
Metadata-Version: 1.0
Name: setuptools
Version: 0.6c9
Summary: Download, build, install, upgrade, and uninstall Python packages -- easily!
Home-page: http://pypi.org/pypi/setuptools
Author: Phillip J. Eby
Author-email: distutils-sig@python.org
License: PSF or ZPL
Description: ==========
Installing and Using Setuptools
==========

.. contents:: **Table of Contents**

Installation Instructions

Windows
=======

Install setuptools using the provided ``.exe`` installer. If you've previously
installed older versions of setuptools, please delete all ``setuptools*.egg``
and ``setuptools.pth`` files from your system's ``site-packages`` directory
(and any other ``sys.path`` directories) FIRST.

If you are upgrading a previous version of setuptools that was installed using
an ``.exe`` installer,
please be sure to also *uninstall that older version*
via your system's "Add/Remove Programs" feature, BEFORE installing the newer

version.

Once installation is complete, you will find an ``easy_install.exe`` program in your Python ``Scripts`` subdirectory. Be sure to add this directory to your ``PATH`` environment variable, if you haven't already done so.

RPM-Based Systems
==========

Install setuptools using the provided source RPM. The included ``.spec`` file assumes you are installing using the default ``python`` executable, and is not specific to a particular Python version. The ``easy_install`` executable will be installed to a system ``bin`` directory such as ``/usr/bin``.

If you wish to install to a location other than the default Python installation's default ``site-packages`` directory (and ``$prefix/bin`` for scripts), please use the ``.egg``-based
installation approach described in the
following section.

Cygwin, Mac OS X, Linux, Other
==========

1. Download the appropriate egg for your version of Python (e.g. ``setuptools-0.6c9-py2.4.egg``). Do NOT rename it.

2. Run it as if it were a shell script, e.g. ``sh setuptools-0.6c9-py2.4.egg``. Setuptools will install itself using the matching version of Python (e.g. ``python2.4``), and will place the ``easy_install`` executable in the default location for installing Python scripts (as determined by the standard distutils configuration files, or by the Python installation).

If you want to install setuptools to somewhere other than ``site-packages`` or your default distutils installation locations for libraries and scripts, you may include EasyInstall command-line options such as ``--prefix``, ``--install-dir``, and so on, following the ``.egg`` filename
on the same
command line. For example::

sh setuptools-0.6c9-py2.4.egg --prefix=~

You can use ``--help`` to get a full options list, but we recommend consulting the `EasyInstall manual`_ for detailed instructions, especially `the section on custom installation locations`_.

.. _EasyInstall manual: http://peak.telecommunity.com/DevCenter/EasyInstall

.. _the section on custom installation locations: http://peak.telecommunity.com/DevCenter/EasyInstall#custom-installation-locations

Cygwin Note

If you are trying to install setuptools for the **Windows** version of Python
(as opposed to the Cygwin version that lives in ``/usr/bin``), you must make
sure that an appropriate executable (``python2.3``, ``python2.4``, or
``python2.5``) is on your **Cygwin** ``PATH`` when invoking the egg. For
example, doing the following at a Cygwin bash prompt will install setuptools
for the **Windows** Python found at ``C:\\Python24``::

```
ln -s /cygdrive/c/Python24/python.exe python2.4
PATH=.:$PATH sh setuptools-0.6c9-py2.4.egg
rm python2.4
```

Downloads
=========

All setuptools downloads can be found at `the project's home page in the Python
Package Index`_. Scroll to the very bottom of the page to find the links.

.. _the project's home page in the Python Package Index: http://pypi.org/pypi/setuptools

In addition to the PyPI downloads, the development version of ``setuptools``
is available from the `Python SVN sandbox`_, and in-development versions of the
`0.6 branch`_ are available as well.

.. _0.6 branch: http://svn.python.org/projects/sandbox/branches/setuptools-0.6/#egg=setuptools-dev06

.. _Python SVN sandbox: http://svn.python.org/projects/sandbox/trunk/setuptools/#egg=setuptools-dev

---
Using
Setuptools and EasyInstall

Here are some of the available manuals, tutorials, and other resources for
learning about Setuptools, Python Eggs, and EasyInstall:

* `The EasyInstall user's guide and reference manual`_
* `The setuptools Developer's Guide`_
* `The pkg_resources API reference`_
* `Package Compatibility Notes`_ (user-maintained)
* `The Internal Structure of Python Eggs`_

Questions, comments, and bug reports should be directed to the `distutils-sig mailing list`_. If you have written (or know of) any tutorials, documentation, plug-ins, or other resources for setuptools users, please let us know about them there, so this reference list can be updated. If you have working, *tested* patches to correct problems or add features, you may submit them to the `setuptools bug tracker`_.

.. _setuptools bug tracker: http://bugs.python.org/setuptools/
.. _Package Compatibility Notes: http://peak.telecommunity.com/DevCenter/PackageNotes
.. _The Internal Structure of Python Eggs: http://peak.telecommunity.com/DevCenter/EggFormats
.. _The setuptools Developer's Guide: http://peak.telecommunity.com/DevCenter/setuptools
.. _The pkg_resources API reference: http://peak.telecommunity.com/DevCenter/PkgResources
.. _The EasyInstall user's guide and reference manual: http://peak.telecommunity.com/DevCenter/EasyInstall
.. _distutils-sig mailing list: http://mail.python.org/pipermail/distutils-sig/

Credits
---

* The original design for the ``.egg`` format and the ``pkg_resources`` API was co-created by Phillip Eby and Bob Ippolito. Bob also implemented the first version of ``pkg_resources``, and supplied the OS X operating system version compatibility algorithm.

* Ian Bicking implemented many early "creature comfort" features of easy_install, including support for downloading via Sourceforge and Subversion repositories. Ian's comments on the Web-SIG about WSGI application deployment also inspired the concept of "entry points" in eggs, and he has given talks at PyCon and elsewhere to inform and educate the community about eggs and setuptools.

* Jim Fulton contributed time and effort to build automated tests of various aspects of ``easy_install``, and supplied the doctests for the command-line ``.exe`` wrappers on Windows.

* Phillip J. Eby is the principal author and maintainer of setuptools, and first proposed the idea of an importable binary distribution format for Python application plug-ins.

* Significant parts of the implementation of setuptools were funded by the Open Source Applications Foundation, to provide a plug-in infrastructure for the Chandler PIM application.

In addition, many OSAF staffers (such as Mike "Code Bear" Taylor) contributed their time and stress as guinea pigs for the use of eggs and setuptools, even before eggs were "cool". (Thanks, guys!)

Keywords: CPAN PyPI distutils eggs package management
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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2.1.2	2.1.1	2002	PSF	yes
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1.8113 gnutls 3.8.3-1.1ubuntu3.3

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located in the lib/ and libdane/ directories, while the applications
in src/ and, the gnutls-openssl library is at extra/.

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
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In 1995, Guido continued his work on Python at the Corporation for
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In May 2000, Guido and the Python core development team moved to
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1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
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2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
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Python was created in the early 1990s by Guido van Rossum at Stichting
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as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
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1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now		

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In 1995, Guido continued his work on Python at the Corporation for
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In May 2000, Guido and the Python core development team moved to
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Zope Corporation. In 2001, the Python Software Foundation (PSF, see
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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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```

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1.8126 jaraco.context 5.3.0

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1.8127 libssl 1.1.1f-1ubuntu2.24

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1.8136 postgresql17 17.4-r0

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1.8143 go.opentelemetry.io/otel/exporters/zipkin 1.28.0

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1.8144 github.com/ory/x 0.0.649

1.8144.1 Available under license :

```
name: Licenses

on:
 pull_request:
 push:
   branches:
     - main
     - master

jobs:
 check:
   runs-on: ubuntu-latest
   steps:
     - uses: actions/checkout@v2
```

```
- uses: actions/setup-go@v2
  with:
    go-version: "1.22"
- uses: actions/setup-node@v2
  with:
    node-version: "18"
- run: make licenses
```

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```
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package configx

import (
 "os"
 "os/user"
 "strconv"
)

type UnixPermission struct {
 Owner string
 Group string
 Mode  os.FileMode
}

func (p *UnixPermission) SetPermission(file string) error {
 var e error
 e = os.Chmod(file, p.Mode)
 if e != nil {
  return e
 }
```

```
 gid := -1
 uid := -1

 if p.Owner != "" {
  var userObj *user.User
  userObj, e = user.Lookup(p.Owner)
  if e != nil {
   return e
  }
  uid, e = strconv.Atoi(userObj.Uid)
  if e != nil {
   return e
  }
 }
 if p.Group != "" {
  var group *user.Group
  group, e := user.LookupGroup(p.Group)
  if e != nil {
   return e
  }
  gid, e = strconv.Atoi(group.Gid)
  if e != nil {
   return e
  }
 }

 e = os.Chown(file, uid, gid)
 if e != nil {
  return e
 }
 return nil
}
```

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1.8145 go.opentelemetry.io/contrib/samplers/jaegerremote 0.22.0

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1.8146 github.com/ory/fosite 0.47.0

1.8146.1 Available under license :

```
name: Licenses

on:
 pull_request:
 push:
   branches:
     - main
     - master

jobs:
 check:
```

```
  runs-on: ubuntu-latest
  steps:
    - uses: actions/checkout@v2
    - uses: actions/setup-go@v2
      with:
        go-version: "1.21"
    - uses: actions/setup-node@v2
      with:
        node-version: "18"
    - run: make licenses
```

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1.8147 github.com/gobuffalo/pop/v6 6.1.1

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1.8148 github.com/containers/image/v5 5.32.2

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1.8151 jaxb-api 2.2.11

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* /opt/cola/permits/2376955232_1740520413.1706626/0/jaxb-api-2-2-11-sources-9-jar/javax/xml/bind/package.html
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* /opt/cola/permits/2376955232_1740520413.1706626/0/jaxb-api-2-2-11-sources-9-jar/javax/xml/bind/annotation/XmlElementWrapper.java
* /opt/cola/permits/2376955232_1740520413.1706626/0/jaxb-api-2-2-11-sources-9-jar/javax/xml/bind/Binder.java
* /opt/cola/permits/2376955232_1740520413.1706626/0/jaxb-api-2-2-11-sources-9-jar/javax/xml/bind/annotation/XmlAnyAttribute.java
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jar/javax/xml/bind/annotation/XmlMimeType.java
* /opt/cola/permits/2376955232_1740520413.1706626/0/jaxb-api-2-2-11-sources-9-jar/javax/xml/bind/annotation/XmlAccessorOrder.java

1.8152 hikaricp-java7 2.4.13

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* /opt/cola/permits/2376955230_1740520412.2960696/0/hikaricp-java7-2-4-13-sources-7-jar/com/zaxxer/hikari/metrics/PoolStats.java
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* /opt/cola/permits/2376955230_1740520412.2960696/0/hikaricp-java7-2-4-13-sources-7-jar/com/zaxxer/hikari/metrics/dropwizard/CodaHaleMetricsTracker.java
* /opt/cola/permits/2376955230_1740520412.2960696/0/hikaricp-java7-2-4-13-sources-7-jar/com/zaxxer/hikari/metrics/dropwizard/CodahaleMetricsTrackerFactory.java
* /opt/cola/permits/2376955230_1740520412.2960696/0/hikaricp-java7-2-4-13-sources-7-jar/com/zaxxer/hikari/HikariJNDIFactory.java
* /opt/cola/permits/2376955230_1740520412.2960696/0/hikaricp-java7-2-4-13-sources-7-jar/com/zaxxer/hikari/pool/HikariPool.java
* /opt/cola/permits/2376955230_1740520412.2960696/0/hikaricp-java7-2-4-13-sources-7-jar/com/zaxxer/hikari/metrics/MetricsTracker.java
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* /opt/cola/permits/2376955230_1740520412.2960696/0/hikaricp-java7-2-4-13-sources-7-jar/com/zaxxer/hikari/pool/PoolBase.java
* /opt/cola/permits/2376955230_1740520412.2960696/0/hikaricp-java7-2-4-13-sources-7-jar/com/zaxxer/hikari/metrics/prometheus/PrometheusMetricsTrackerFactory.java
* /opt/cola/permits/2376955230_1740520412.2960696/0/hikaricp-java7-2-4-13-sources-7-jar/com/zaxxer/hikari/metrics/prometheus/HikariCPCollector.java
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* /opt/cola/permits/2376955230_1740520412.2960696/0/hikaricp-java7-2-4-13-sources-7-jar/com/zaxxer/hikari/HikariPoolMXBean.java
* /opt/cola/permits/2376955230_1740520412.2960696/0/hikaricp-java7-2-4-13-sources-7-jar/com/zaxxer/hikari/HikariConfigMXBean.java
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* /opt/cola/permits/2376955230_1740520412.2960696/0/hikaricp-java7-2-4-13-sources-7-jar/com/zaxxer/hikari/pool/ProxyPreparedStatement.java
* /opt/cola/permits/2376955230_1740520412.2960696/0/hikaricp-java7-2-4-13-sources-7-jar/com/zaxxer/hikari/pool/ProxyStatement.java
* /opt/cola/permits/2376955230_1740520412.2960696/0/hikaricp-java7-2-4-13-sources-7-jar/com/zaxxer/hikari/util/UtilityElf.java
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* /opt/cola/permits/2376955230_1740520412.2960696/0/hikaricp-java7-2-4-13-sources-7-jar/com/zaxxer/hikari/pool/PoolEntry.java
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* /opt/cola/permits/2376955230_1740520412.2960696/0/hikaricp-java7-2-4-13-sources-7-jar/com/zaxxer/hikari/pool/ProxyResultSet.java
* /opt/cola/permits/2376955230_1740520412.2960696/0/hikaricp-java7-2-4-13-sources-7-jar/com/zaxxer/hikari/util/JavassistProxyFactory.java
* /opt/cola/permits/2376955230_1740520412.2960696/0/hikaricp-java7-2-4-13-sources-7-jar/com/zaxxer/hikari/util/DriverDataSource.java
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* /opt/cola/permits/2376955230_1740520412.2960696/0/hikaricp-java7-2-4-13-sources-7-jar/com/zaxxer/hikari/pool/ProxyFactory.java

* /opt/cola/permits/2376955230_1740520412.2960696/0/hikaricp-java7-2-4-13-sources-7-jar/com/zaxxer/hikari/pool/ProxyConnection.java

1.8153 docker 28.0.0+incompatible

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 LicenseIdentifier string `json:"licenseId"`

 // 10.2: Extracted Text
 // Cardinality: conditional (mandatory, one) if there is a
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 ExtractedText string `json:"extractedText"`

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 LicenseName string `json:"name,omitempty"`

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 LicenseCrossReferences []string `json:"seeAlsos,omitempty"`

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 LicenseComment string `json:"comment,omitempty"`
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// OtherLicense is an Other License Information section of an
// SPDX Document for version 2.1 of the spec.
type OtherLicense struct {
 // 6.1: License Identifier: "LicenseRef-[idstring]"
 // Cardinality: conditional (mandatory, one) if license is not
 //              on SPDX License List
 LicenseIdentifier string `json:"licenseId"`

 // 6.2: Extracted Text
 // Cardinality: conditional (mandatory, one) if there is a
 //              License Identifier assigned
 ExtractedText string `json:"extractedText"`

 // 6.3: License Name: single line of text or "NOASSERTION"
 // Cardinality: conditional (mandatory, one) if license is not
 //              on SPDX License List
 LicenseName string `json:"name,omitempty"`

 // 6.4: License Cross Reference
 // Cardinality: conditional (optional, one or many) if license
 //              is not on SPDX License List
 LicenseCrossReferences []string `json:"seeAlsos,omitempty"`

 // 6.5:
 License Comment
 // Cardinality: optional, one
 LicenseComment string `json:"comment,omitempty"`
}
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 // 10.1: License Identifier: "LicenseRef-[idstring]"
 // Cardinality: conditional (mandatory, one) if license is not
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 LicenseIdentifier string `json:"licenseId"`

 // 10.2: Extracted Text
 // Cardinality: conditional (mandatory, one) if there is a
 //              License Identifier assigned
 ExtractedText string `json:"extractedText"`

 // 10.3: License Name: single line of text or "NOASSERTION"
 // Cardinality: conditional (mandatory, one) if license is not
 //              on SPDX License List
 LicenseName string `json:"name,omitempty"`

 // 10.4: License Cross Reference
 // Cardinality: conditional (optional, one or many) if license
 //              is not on SPDX License List
 LicenseCrossReferences []string `json:"seeAlsos,omitempty"`

 // 10.5: License Comment
 // Cardinality:
 optional, one
 LicenseComment string `json:"comment,omitempty"`
}
```

procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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localtime.go, localtime_test.go:

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Changes:
* Renamed files from civil* to localtime*.
* Package changed from civil to toml.
* 'Local' prefix added to all structs.
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1.8156 openssh-sftp-server 9.9_p2-r0

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```
# Contributor: Patrycja Rosa <alpine@ptrcnull.me>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
 cdefs.h
 queue.h
 tree.h
"
builddir="$srcdir"
options="!check" # just headers

package() {
 mkdir -p "$pkgdir"
 install -Dm644 -t "$pkgdir"/usr/include/sys \
  cdefs.h queue.h tree.h
}
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178  cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750  queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3  tree.h
"
```

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"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95
http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html

```
# Automatically generated by apkbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
maintainer="Celeste <cielesti@protonmail.com>"
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=10
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

build() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
  INSTALLDIRS=vendor \
  NO_PACKLIST=1 \
  NO_PERLLOCAL=1
 make
}
```

```
check() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 make test
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright"                  # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

package() {
 gpep517 install-wheel --destdir "$pkgdir" \
  .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
```

```
b316bd503ae7dceed6ca284ccd5a74d
  flake8-copyright-0.2.4.tar.gz
"
# Contributor: Dhruvin Gandhi <contact@dhru.vin>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license_expression
pkgver=30.4.0
pkgrel=0
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir/$_pkgname-$pkgver"

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

check() {
 python3 -m venv --clear --without-pip --system-site-packages .testenv
 .testenv/bin/python3 -m installer .dist/*.whl
 .testenv/bin/python3 -m pytest
}

package() {
 python3 -m installer -d "$pkgdir" \
  .dist/*.whl
}

sha512sums="
cc7cd6b5bd8ea4c99b66f074871ffd7cc78b3e8b1b0d3afd9b95efdb7147c8293db2fac977d684fc34d3d60bd79066a06
dc2bff0a38b130d9d83c63538502db1
  license_expression-30.4.0.tar.gz
"
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http://www.geocities.com/SiliconValley/Campus/8645/index.html
http://members.nbci.com/silicon39/
http://www.mp3.com/silicon39
https://analoguesque.x10host.com/

```
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.24.0
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
 subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
 mkdir -p "$pkgdir"
}

_subpkg() {
 local type=${subpkgname/$pkgname-/}
 pkgdesc="$pkgdesc ($type)"
 install_if="$pkgname=$pkgver-r$pkgrel"
 mkdir -p "$subpkgdir"/usr/share/spdx
 cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
```

```
 pkgdesc="$pkgdesc (licence list)"
 mkdir -p "$subpkgdir"/usr/share/spdx
 local i; for i in "$builddir"/text/*.txt;
 do
  local license=${i##*/}
  echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
 done
}

sha512sums="
6eb81424e1b3173dbd8e17859b2e15dfe1c2af8f4da59b7dad0729c038a4cbdba95c34c2c546285fcdbbd41562e39575e
6a6ebb9463b70121e0a12b99d1307e7  license-list-data-3.24.0.tar.gz
"
```

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- The make-ssh-known-hosts script is no longer included
- TSS has been removed
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4)

The Rijndael implementation by Vincent Rijmen, Antoon Bosselaers and Paulo Barreto is in the public domain and distributed with the following license:

```
 * @version 3.0 (December 2000)
 *
 * Optimised ANSI C code for the Rijndael cipher (now AES)
 *
 * @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
 * @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
 * @author Paulo Barreto <paulo.barreto@terra.com.br>
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1.8157 openssh-server-common 9.9_p2-r0

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```
# Contributor: Patrycja Rosa <alpine@ptrcnull.me>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
 cdefs.h
 queue.h
 tree.h
"
builddir="$srcdir"
options="!check" # just headers

package() {
 mkdir -p "$pkgdir"
 install -Dm644 -t "$pkgdir"/usr/include/sys \
  cdefs.h queue.h tree.h
}
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
```

```
7006442c3f019b6447a620c0cae73178  cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750  queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3  tree.h
"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright"                  # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

package() {
 gpep517 install-wheel --destdir "$pkgdir" \
  .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
  flake8-copyright-0.2.4.tar.gz
"
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
```

```
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
 default_prepare

 cargo fetch --target="$CTARGET" --locked
}

build() {
 cargo auditable build --release --frozen
}

check() {
 cargo test --frozen
}

package() {
 install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5  cargo-license-0.6.1.tar.gz
"
# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=2
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz
 0001-bsd-games-scores-dir.patch
 "
options="!check" # no tests

build() {
 # some GNU autoconf options are ignored, but it works
 ./configure \
  --build=$CBUILD \
```

```
  --host=$CHOST \
  --prefix=/usr \
  --sysconfdir=/etc \
  --mandir=/usr/share/man \
  --scoredir=/usr/share/$pkgname
 make
}

package() {
 make DESTDIR="$pkgdir" install
 install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}

sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
  bsd-games-3.3.tar.gz
e1def0d4835a877242c4173fae862e278a7858738e0bacacbb045a42bcabec2aa7c72d000bbd2421ce35fe66cdc1f52c0
577b7e278029ca5ed50f7aab22319f6  0001-bsd-games-scores-dir.patch
"
```

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```
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pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
 "

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
 update_config_sub
 default_prepare
}

build() {
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
 make
}

package() {
```

```
 make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
```

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 *
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 * @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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```

package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL string `json:"url,omitempty"`
}
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Protocol Buffers for Go with Gadgets

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github.com/pelletier/go-toml:

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localtime.go, localtime_test.go:

Originals:
https://raw.githubusercontent.com/googleapis/google-cloud-go/ed46f5086358513cf8c25f8e3f022cb838a49d66/civil/civil.go
https://raw.githubusercontent.com/googleapis/google-cloud-go/ed46f5086358513cf8c25f8e3f022cb838a49d66/civil/civil_test.go
Changes:
* Renamed files from civil* to localtime*.

* Package changed from civil to toml.
* 'Local' prefix added to all structs.

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* /opt/cola/permits/2380302662_1740718327.1659896/0/netty-transport-native-epoll-4-1-118-final-sources-jar/netty_epoll_linuxsocket.h

1.8171 cryptsetup 2.7.0-1ubuntu4.2

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//go:build go1.18
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// Code generated by Microsoft (R) AutoRest Code Generator. DO NOT EDIT.
// Changes may cause incorrect behavior and will be lost if the code is regenerated.

package fake

import (
 "context"
 "errors"
 "fmt"
 azfake "github.com/Azure/azure-sdk-for-go/sdk/azcore/fake"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/fake/server"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/runtime"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/to"
 "github.com/Azure/azure-sdk-for-go/sdk/resourcemanager/hybridcompute/armhybridcompute/v2"
 "net/http"
 "net/url"
 "regexp"
)

// LicensesServer is a fake server for instances of the armhybridcompute.LicensesClient type.
type LicensesServer struct {
 // BeginCreateOrUpdate is the fake for method LicensesClient.BeginCreateOrUpdate
 // HTTP status codes to indicate success:
 http.StatusOK
 BeginCreateOrUpdate func(ctx context.Context, resourceGroupName string, licenseName string, parameters
armhybridcompute.License, options *armhybridcompute.LicensesClientBeginCreateOrUpdateOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientCreateOrUpdateResponse], errResp
azfake.ErrorResponder)
```

```
 // BeginDelete is the fake for method LicensesClient.BeginDelete
 // HTTP status codes to indicate success: http.StatusOK, http.StatusNoContent
 BeginDelete func(ctx context.Context, resourceGroupName string, licenseName string, options
*armhybridcompute.LicensesClientBeginDeleteOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientDeleteResponse], errResp azfake.ErrorResponder)

 // Get is the fake for method LicensesClient.Get
 // HTTP status codes to indicate success: http.StatusOK
 Get func(ctx context.Context, resourceGroupName string, licenseName string, options
*armhybridcompute.LicensesClientGetOptions) (resp
azfake.Responder[armhybridcompute.LicensesClientGetResponse],
 errResp azfake.ErrorResponder)

 // NewListByResourceGroupPager is the fake for method LicensesClient.NewListByResourceGroupPager
 // HTTP status codes to indicate success: http.StatusOK
 NewListByResourceGroupPager func(resourceGroupName string, options
*armhybridcompute.LicensesClientListByResourceGroupOptions) (resp
azfake.PagerResponder[armhybridcompute.LicensesClientListByResourceGroupResponse])

 // NewListBySubscriptionPager is the fake for method LicensesClient.NewListBySubscriptionPager
 // HTTP status codes to indicate success: http.StatusOK
 NewListBySubscriptionPager func(options *armhybridcompute.LicensesClientListBySubscriptionOptions) (resp
azfake.PagerResponder[armhybridcompute.LicensesClientListBySubscriptionResponse])

 // BeginUpdate is the fake for method LicensesClient.BeginUpdate
 // HTTP status codes to indicate success: http.StatusOK
 BeginUpdate func(ctx context.Context, resourceGroupName string, licenseName string, parameters
 armhybridcompute.LicenseUpdate, options *armhybridcompute.LicensesClientBeginUpdateOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientUpdateResponse], errResp azfake.ErrorResponder)

 // BeginValidateLicense is the fake for method LicensesClient.BeginValidateLicense
 // HTTP status codes to indicate success: http.StatusOK
 BeginValidateLicense func(ctx context.Context, parameters armhybridcompute.License, options
*armhybridcompute.LicensesClientBeginValidateLicenseOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientValidateLicenseResponse], errResp
azfake.ErrorResponder)
}

// NewLicensesServerTransport creates a new instance of LicensesServerTransport with the provided
implementation.
// The returned LicensesServerTransport instance is connected to an instance of armhybridcompute.LicensesClient
via the
// azcore.ClientOptions.Transporter field in the client's constructor parameters.
func NewLicensesServerTransport(srv *LicensesServer) *LicensesServerTransport
 {
 return &LicensesServerTransport{
  srv:                    srv,
```

```
 beginCreateOrUpdate:
newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientCreateOrUpdateResponse]](),
 beginDelete:                newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientDeleteResponse]](),
 newListByResourceGroupPager:
newTracker[azfake.PagerResponder[armhybridcompute.LicensesClientListByResourceGroupResponse]](),
 newListBySubscriptionPager:
newTracker[azfake.PagerResponder[armhybridcompute.LicensesClientListBySubscriptionResponse]](),
 beginUpdate:                newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientUpdateResponse]](),
 beginValidateLicense:
newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientValidateLicenseResponse]](),
 }
}

// LicensesServerTransport connects instances of armhybridcompute.LicensesClient to instances of LicensesServer.
// Don't use this type directly, use NewLicensesServerTransport
 instead.
type LicensesServerTransport struct {
 srv                         *LicensesServer
 beginCreateOrUpdate
*tracker[azfake.PollerResponder[armhybridcompute.LicensesClientCreateOrUpdateResponse]]
 beginDelete                 *tracker[azfake.PollerResponder[armhybridcompute.LicensesClientDeleteResponse]]
 newListByResourceGroupPager
*tracker[azfake.PagerResponder[armhybridcompute.LicensesClientListByResourceGroupResponse]]
 newListBySubscriptionPager
*tracker[azfake.PagerResponder[armhybridcompute.LicensesClientListBySubscriptionResponse]]
 beginUpdate                 *tracker[azfake.PollerResponder[armhybridcompute.LicensesClientUpdateResponse]]
 beginValidateLicense
*tracker[azfake.PollerResponder[armhybridcompute.LicensesClientValidateLicenseResponse]]
}

// Do implements the policy.Transporter interface for LicensesServerTransport.
func (l *LicensesServerTransport) Do(req *http.Request) (*http.Response, error) {
 rawMethod := req.Context().Value(runtime.CtxAPINameKey{})
 method,
 ok := rawMethod.(string)
 if !ok {
  return nil, nonRetriableError{errors.New("unable to dispatch request, missing value for CtxAPINameKey")}
 }

 var resp *http.Response
 var err error

 switch method {
 case "LicensesClient.BeginCreateOrUpdate":
  resp, err = l.dispatchBeginCreateOrUpdate(req)
 case "LicensesClient.BeginDelete":
  resp, err = l.dispatchBeginDelete(req)
 case "LicensesClient.Get":
```

```
 resp, err = l.dispatchGet(req)
 case "LicensesClient.NewListByResourceGroupPager":
  resp, err = l.dispatchNewListByResourceGroupPager(req)
 case "LicensesClient.NewListBySubscriptionPager":
  resp, err = l.dispatchNewListBySubscriptionPager(req)
 case "LicensesClient.BeginUpdate":
  resp, err = l.dispatchBeginUpdate(req)
 case "LicensesClient.BeginValidateLicense":
  resp, err = l.dispatchBeginValidateLicense(req)
 default:
  err = fmt.Errorf("unhandled API %s", method)
 }

 if err != nil {
  return nil, err
 }

 return resp, nil
}

func (l *LicensesServerTransport) dispatchBeginCreateOrUpdate(req
 *http.Request) (*http.Response, error) {
 if l.srv.BeginCreateOrUpdate == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginCreateOrUpdate not implemented")}
 }
 beginCreateOrUpdate := l.beginCreateOrUpdate.get(req)
 if beginCreateOrUpdate == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 3 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  body, err := server.UnmarshalRequestAsJSON[armhybridcompute.License](req)
  if err != nil {
   return nil, err
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if err != nil {
   return
 nil, err
  }
  licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
  if err != nil {
   return nil, err
  }
```

```
  respr, errRespr := l.srv.BeginCreateOrUpdate(req.Context(), resourceGroupNameParam, licenseNameParam, body,
nil)
  if respErr := server.GetError(errRespr, req); respErr != nil {
   return nil, respErr
  }
  beginCreateOrUpdate = &respr
  l.beginCreateOrUpdate.add(req, beginCreateOrUpdate)
 }

 resp, err := server.PollerResponderNext(beginCreateOrUpdate, req)
 if err != nil {
  return nil, err
 }

 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.beginCreateOrUpdate.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PollerResponderMore(beginCreateOrUpdate) {
  l.beginCreateOrUpdate.remove(req)
 }

 return resp, nil
}

func (l *LicensesServerTransport) dispatchBeginDelete(req *http.Request) (*http.Response, error) {
 if l.srv.BeginDelete
 == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginDelete not implemented")}
 }
 beginDelete := l.beginDelete.get(req)
 if beginDelete == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 3 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if err != nil {
   return nil, err
  }
  licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
  if err != nil {
   return nil, err
```

```
 }
 respr, errRespr := l.srv.BeginDelete(req.Context(), resourceGroupNameParam, licenseNameParam, nil)
 if
respErr := server.GetError(errRespr, req); respErr != nil {
  return nil, respErr
 }
 beginDelete = &respr
 l.beginDelete.add(req, beginDelete)
}

resp, err := server.PollerResponderNext(beginDelete, req)
if err != nil {
 return nil, err
}

if !contains([]int{http.StatusOK, http.StatusNoContent}, resp.StatusCode) {
 l.beginDelete.remove(req)
 return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK,
http.StatusNoContent", resp.StatusCode)}
}
if !server.PollerResponderMore(beginDelete) {
 l.beginDelete.remove(req)
}

return resp, nil
}

func (l *LicensesServerTransport) dispatchGet(req *http.Request) (*http.Response, error) {
if l.srv.Get == nil {
 return nil, &nonRetriableError{errors.New("fake for method Get not implemented")}
}
const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
regex
:= regexp.MustCompile(regexStr)
matches := regex.FindStringSubmatch(req.URL.EscapedPath())
if matches == nil || len(matches) < 3 {
 return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
}
resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
if err != nil {
 return nil, err
}
licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
if err != nil {
 return nil, err
}
```

```
 respr, errRespr := l.srv.Get(req.Context(), resourceGroupNameParam, licenseNameParam, nil)
 if respErr := server.GetError(errRespr, req); respErr != nil {
  return nil, respErr
 }
 respContent := server.GetResponseContent(respr)
 if !contains([]int{http.StatusOK}, respContent.HTTPStatus) {
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
respContent.HTTPStatus)}
 }
 resp, err := server.MarshalResponseAsJSON(respContent,
 server.GetResponse(respr).License, req)
 if err != nil {
  return nil, err
 }
 return resp, nil
}

func (l *LicensesServerTransport) dispatchNewListByResourceGroupPager(req *http.Request) (*http.Response,
error) {
 if l.srv.NewListByResourceGroupPager == nil {
  return nil, &nonRetriableError{errors.New("fake for method NewListByResourceGroupPager not implemented")}
 }
 newListByResourceGroupPager := l.newListByResourceGroupPager.get(req)
 if newListByResourceGroupPager == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 2 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if
 err != nil {
   return nil, err
  }
  resp := l.srv.NewListByResourceGroupPager(resourceGroupNameParam, nil)
  newListByResourceGroupPager = &resp
  l.newListByResourceGroupPager.add(req, newListByResourceGroupPager)
  server.PagerResponderInjectNextLinks(newListByResourceGroupPager, req, func(page
*armhybridcompute.LicensesClientListByResourceGroupResponse, createLink func() string) {
   page.NextLink = to.Ptr(createLink())
  })
 }
 resp, err := server.PagerResponderNext(newListByResourceGroupPager, req)
 if err != nil {
  return nil, err
```

```
 }
 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.newListByResourceGroupPager.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PagerResponderMore(newListByResourceGroupPager) {
  l.newListByResourceGroupPager.remove(req)
 }
 return resp, nil
}

func (l *LicensesServerTransport) dispatchNewListBySubscriptionPager(req *http.Request)
 (*http.Response, error) {
 if l.srv.NewListBySubscriptionPager == nil {
  return nil, &nonRetriableError{errors.New("fake for method NewListBySubscriptionPager not implemented")}
 }
 newListBySubscriptionPager := l.newListBySubscriptionPager.get(req)
 if newListBySubscriptionPager == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 1 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  resp := l.srv.NewListBySubscriptionPager(nil)
  newListBySubscriptionPager = &resp
  l.newListBySubscriptionPager.add(req, newListBySubscriptionPager)
  server.PagerResponderInjectNextLinks(newListBySubscriptionPager, req, func(page
*armhybridcompute.LicensesClientListBySubscriptionResponse, createLink func() string) {
   page.NextLink = to.Ptr(createLink())
  })
 }
 resp,
 err := server.PagerResponderNext(newListBySubscriptionPager, req)
 if err != nil {
  return nil, err
 }
 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.newListBySubscriptionPager.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PagerResponderMore(newListBySubscriptionPager) {
  l.newListBySubscriptionPager.remove(req)
 }
 return resp, nil
```

```
}

func (l *LicensesServerTransport) dispatchBeginUpdate(req *http.Request) (*http.Response, error) {
 if l.srv.BeginUpdate == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginUpdate not implemented")}
 }
 beginUpdate := l.beginUpdate.get(req)
 if beginUpdate == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
  regex
 := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 3 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  body, err := server.UnmarshalRequestAsJSON[armhybridcompute.LicenseUpdate](req)
  if err != nil {
   return nil, err
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if err != nil {
   return nil, err
  }
  licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
  if err != nil {
   return nil, err
  }
  respr, errRespr := l.srv.BeginUpdate(req.Context(), resourceGroupNameParam, licenseNameParam, body, nil)
  if respErr := server.GetError(errRespr, req); respErr != nil {
   return nil, respErr
  }
  beginUpdate = &respr
  l.beginUpdate.add(req, beginUpdate)
 }

 resp, err := server.PollerResponderNext(beginUpdate, req)
 if err != nil {
  return nil, err
 }

 if !contains([]int{http.StatusOK},
 resp.StatusCode) {
  l.beginUpdate.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
```

```
 if !server.PollerResponderMore(beginUpdate) {
  l.beginUpdate.remove(req)
 }

 return resp, nil
}

func (l *LicensesServerTransport) dispatchBeginValidateLicense(req *http.Request) (*http.Response, error) {
 if l.srv.BeginValidateLicense == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginValidateLicense not implemented")}
 }
 beginValidateLicense := l.beginValidateLicense.get(req)
 if beginValidateLicense == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/validateLicense`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 1 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  body,
 err := server.UnmarshalRequestAsJSON[armhybridcompute.License](req)
  if err != nil {
   return nil, err
  }
  respr, errRespr := l.srv.BeginValidateLicense(req.Context(), body, nil)
  if respErr := server.GetError(errRespr, req); respErr != nil {
   return nil, respErr
  }
  beginValidateLicense = &respr
  l.beginValidateLicense.add(req, beginValidateLicense)
 }

 resp, err := server.PollerResponderNext(beginValidateLicense, req)
 if err != nil {
  return nil, err
 }

 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.beginValidateLicense.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PollerResponderMore(beginValidateLicense) {
  l.beginValidateLicense.remove(req)
 }

 return resp, nil
```

}

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```
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// +build go1.18

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// Code generated by Microsoft (R) AutoRest Code Generator. DO NOT EDIT.
// Changes may cause incorrect behavior and will be lost if the code is regenerated.

package armhybridcompute

import (
 "context"
 "errors"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/arm"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/policy"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/runtime"
 "net/http"
 "net/url"
 "strings"
)

// LicensesClient contains the methods for the Licenses group.
// Don't use this type directly, use NewLicensesClient() instead.
type LicensesClient struct {
 internal       *arm.Client
 subscriptionID string
}

// NewLicensesClient creates a new instance of LicensesClient with the specified values.
//   - subscriptionID - The ID of the target
 subscription.
//   - credential - used to authorize requests. Usually a credential from azidentity.
//   - options - pass nil to accept the default values.
func NewLicensesClient(subscriptionID string, credential azcore.TokenCredential, options *arm.ClientOptions)
(*LicensesClient, error) {
 cl, err := arm.NewClient(moduleName, moduleVersion, credential, options)
 if err != nil {
  return nil, err
 }
 client := &LicensesClient{
```

```
  subscriptionID: subscriptionID,
  internal:       cl,
 }
 return client, nil
}

// BeginCreateOrUpdate - The operation to create or update a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName - The name of the license.
//   - parameters - Parameters supplied to the Create license operation.
//   - options - LicensesClientBeginCreateOrUpdateOptions contains the optional parameters
 for the LicensesClient.BeginCreateOrUpdate
//     method.
func (client *LicensesClient) BeginCreateOrUpdate(ctx context.Context, resourceGroupName string, licenseName
string, parameters License, options *LicensesClientBeginCreateOrUpdateOptions)
(*runtime.Poller[LicensesClientCreateOrUpdateResponse], error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.createOrUpdate(ctx, resourceGroupName, licenseName, parameters, options)
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientCreateOrUpdateResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientCreateOrUpdateResponse]{
   Tracer: client.internal.Tracer(),
  })
 }
}

// CreateOrUpdate - The operation to create or update a license.
// If the
 operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
func (client *LicensesClient) createOrUpdate(ctx context.Context, resourceGroupName string, licenseName string,
parameters License, options *LicensesClientBeginCreateOrUpdateOptions) (*http.Response, error) {
 var err error
 const operationName = "LicensesClient.BeginCreateOrUpdate"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
```

```
 defer func() { endSpan(err) }()
 req, err := client.createOrUpdateCreateRequest(ctx, resourceGroupName, licenseName, parameters, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return nil, err
 }
 return httpResp, nil
}

// createOrUpdateCreateRequest creates
 the CreateOrUpdate request.
func (client *LicensesClient) createOrUpdateCreateRequest(ctx context.Context, resourceGroupName string,
licenseName string, parameters License, options *LicensesClientBeginCreateOrUpdateOptions) (*policy.Request,
error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}", url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx,
 http.MethodPut, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 if err := runtime.MarshalAsJSON(req, parameters); err != nil {
  return nil, err
 }
```

```
 return req, nil
}

// BeginDelete - The operation to delete a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName - The name of the license.
//   - options - LicensesClientBeginDeleteOptions contains the optional parameters for the
LicensesClient.BeginDelete method.
func (client *LicensesClient) BeginDelete(ctx context.Context, resourceGroupName string, licenseName string,
options *LicensesClientBeginDeleteOptions) (*runtime.Poller[LicensesClientDeleteResponse],
 error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.deleteOperation(ctx, resourceGroupName, licenseName, options)
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientDeleteResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientDeleteResponse]{
   Tracer: client.internal.Tracer(),
  })
 }
}

// Delete - The operation to delete a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
func (client *LicensesClient) deleteOperation(ctx context.Context, resourceGroupName string, licenseName string,
options *LicensesClientBeginDeleteOptions) (*http.Response, error) {
 var err error
 const
 operationName = "LicensesClient.BeginDelete"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.deleteCreateRequest(ctx, resourceGroupName, licenseName, options)
 if err != nil {
  return nil, err
 }
```

```
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK, http.StatusNoContent) {
  err = runtime.NewResponseError(httpResp)
  return nil, err
 }
 return httpResp, nil
}

// deleteCreateRequest creates the Delete request.
func (client *LicensesClient) deleteCreateRequest(ctx context.Context, resourceGroupName string, licenseName
string, options *LicensesClientBeginDeleteOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if
 client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}", url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx, http.MethodDelete, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// Get - Retrieves information about the view of a license.
//
 If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName - The name of the license.
```

```
//   - options - LicensesClientGetOptions contains the optional parameters for the LicensesClient.Get method.
func (client *LicensesClient) Get(ctx context.Context, resourceGroupName string, licenseName string, options
*LicensesClientGetOptions) (LicensesClientGetResponse, error) {
 var err error
 const operationName = "LicensesClient.Get"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.getCreateRequest(ctx, resourceGroupName, licenseName, options)
 if err != nil {
  return LicensesClientGetResponse{}, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil
 {
  return LicensesClientGetResponse{}, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return LicensesClientGetResponse{}, err
 }
 resp, err := client.getHandleResponse(httpResp)
 return resp, err
}

// getCreateRequest creates the Get request.
func (client *LicensesClient) getCreateRequest(ctx context.Context, resourceGroupName string, licenseName
string, options *LicensesClientGetOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if
 licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}", url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx, http.MethodGet, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
```

```
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// getHandleResponse handles the Get response.
func (client *LicensesClient) getHandleResponse(resp *http.Response) (LicensesClientGetResponse, error) {
 result := LicensesClientGetResponse{}
 if err := runtime.UnmarshalAsJSON(resp, &result.License); err != nil {
  return LicensesClientGetResponse{}, err
 }
 return result, nil
}

// NewListByResourceGroupPager - The operation to get all licenses of a non-Azure machine
//
// Generated from
 API version 2023-06-20-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - options - LicensesClientListByResourceGroupOptions contains the optional parameters for the
LicensesClient.NewListByResourceGroupPager
//     method.
func (client *LicensesClient) NewListByResourceGroupPager(resourceGroupName string, options
*LicensesClientListByResourceGroupOptions) *runtime.Pager[LicensesClientListByResourceGroupResponse] {
 return runtime.NewPager(runtime.PagingHandler[LicensesClientListByResourceGroupResponse]{
  More: func(page LicensesClientListByResourceGroupResponse) bool {
   return page.NextLink != nil && len(*page.NextLink) > 0
  },
  Fetcher: func(ctx context.Context, page *LicensesClientListByResourceGroupResponse)
(LicensesClientListByResourceGroupResponse, error) {
   ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, "LicensesClient.NewListByResourceGroupPager")
   nextLink := ""
   if page != nil {
    nextLink = *page.NextLink
   }
   resp,
 err := runtime.FetcherForNextLink(ctx, client.internal.Pipeline(), nextLink, func(ctx context.Context)
(*policy.Request, error) {
    return client.listByResourceGroupCreateRequest(ctx, resourceGroupName, options)
   }, nil)
   if err != nil {
    return LicensesClientListByResourceGroupResponse{}, err
   }
   return client.listByResourceGroupHandleResponse(resp)
  },
  Tracer: client.internal.Tracer(),
```

```
 })
}

// listByResourceGroupCreateRequest creates the ListByResourceGroup request.
func (client *LicensesClient) listByResourceGroupCreateRequest(ctx context.Context, resourceGroupName string,
options *LicensesClientListByResourceGroupOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es"
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if
 client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 req, err := runtime.NewRequest(ctx, http.MethodGet, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// listByResourceGroupHandleResponse handles the ListByResourceGroup response.
func (client *LicensesClient) listByResourceGroupHandleResponse(resp *http.Response)
(LicensesClientListByResourceGroupResponse, error) {
 result := LicensesClientListByResourceGroupResponse{}
 if err := runtime.UnmarshalAsJSON(resp, &result.LicensesListResult); err != nil {
  return LicensesClientListByResourceGroupResponse{}, err
 }
 return
 result, nil
}

// NewListBySubscriptionPager - The operation to get all licenses of a non-Azure machine
//
// Generated from API version 2023-06-20-preview
//   - options - LicensesClientListBySubscriptionOptions contains the optional parameters for the
LicensesClient.NewListBySubscriptionPager
//     method.
func (client *LicensesClient) NewListBySubscriptionPager(options *LicensesClientListBySubscriptionOptions)
*runtime.Pager[LicensesClientListBySubscriptionResponse] {
```

```
 return runtime.NewPager(runtime.PagingHandler[LicensesClientListBySubscriptionResponse]{
  More: func(page LicensesClientListBySubscriptionResponse) bool {
   return page.NextLink != nil && len(*page.NextLink) > 0
  },
  Fetcher: func(ctx context.Context, page *LicensesClientListBySubscriptionResponse)
(LicensesClientListBySubscriptionResponse, error) {
   ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, "LicensesClient.NewListBySubscriptionPager")
   nextLink := ""
   if page != nil {
    nextLink = *page.NextLink
   }
   resp,
 err := runtime.FetcherForNextLink(ctx, client.internal.Pipeline(), nextLink, func(ctx context.Context)
(*policy.Request, error) {
    return client.listBySubscriptionCreateRequest(ctx, options)
   }, nil)
   if err != nil {
    return LicensesClientListBySubscriptionResponse{}, err
   }
   return client.listBySubscriptionHandleResponse(resp)
  },
  Tracer: client.internal.Tracer(),
 })
}

// listBySubscriptionCreateRequest creates the ListBySubscription request.
func (client *LicensesClient) listBySubscriptionCreateRequest(ctx context.Context, options
*LicensesClientListBySubscriptionOptions) (*policy.Request, error) {
 urlPath := "/subscriptions/{subscriptionId}/providers/Microsoft.HybridCompute/licenses"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 req, err := runtime.NewRequest(ctx, http.MethodGet,
 runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// listBySubscriptionHandleResponse handles the ListBySubscription response.
func (client *LicensesClient) listBySubscriptionHandleResponse(resp *http.Response)
(LicensesClientListBySubscriptionResponse, error) {
```

```
 result := LicensesClientListBySubscriptionResponse{}
 if err := runtime.UnmarshalAsJSON(resp, &result.LicensesListResult); err != nil {
  return LicensesClientListBySubscriptionResponse{}, err
 }
 return result, nil
}

// BeginUpdate - The operation to update a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName
 - The name of the license.
//   - parameters - Parameters supplied to the Update license operation.
//   - options - LicensesClientBeginUpdateOptions contains the optional parameters for the
LicensesClient.BeginUpdate method.
func (client *LicensesClient) BeginUpdate(ctx context.Context, resourceGroupName string, licenseName string,
parameters LicenseUpdate, options *LicensesClientBeginUpdateOptions)
(*runtime.Poller[LicensesClientUpdateResponse], error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.update(ctx, resourceGroupName, licenseName, parameters, options)
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientUpdateResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientUpdateResponse]{
   Tracer:
 client.internal.Tracer(),
  })
 }
}

// Update - The operation to update a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
func (client *LicensesClient) update(ctx context.Context, resourceGroupName string, licenseName string,
parameters LicenseUpdate, options *LicensesClientBeginUpdateOptions) (*http.Response, error) {
 var err error
 const operationName = "LicensesClient.BeginUpdate"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
```

```
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.updateCreateRequest(ctx, resourceGroupName, licenseName, parameters, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return
 nil, err
 }
 return httpResp, nil
}

// updateCreateRequest creates the Update request.
func (client *LicensesClient) updateCreateRequest(ctx context.Context, resourceGroupName string, licenseName
string, parameters LicenseUpdate, options *LicensesClientBeginUpdateOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}",
 url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx, http.MethodPatch, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 if err := runtime.MarshalAsJSON(req, parameters); err != nil {
  return nil, err
 }
```

```
 return req, nil
}

// BeginValidateLicense - The operation to validate a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
//   - parameters - Parameters supplied to the license validation operation.
//   - options - LicensesClientBeginValidateLicenseOptions contains the optional parameters for the
LicensesClient.BeginValidateLicense
//     method.
func (client *LicensesClient) BeginValidateLicense(ctx context.Context, parameters License, options
*LicensesClientBeginValidateLicenseOptions)
 (*runtime.Poller[LicensesClientValidateLicenseResponse], error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.validateLicense(ctx, parameters, options)
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientValidateLicenseResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientValidateLicenseResponse]{
   Tracer: client.internal.Tracer(),
  })
 }
}

// ValidateLicense - The operation to validate a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
func (client *LicensesClient) validateLicense(ctx context.Context, parameters License, options
*LicensesClientBeginValidateLicenseOptions)
 (*http.Response, error) {
 var err error
 const operationName = "LicensesClient.BeginValidateLicense"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.validateLicenseCreateRequest(ctx, parameters, options)
 if err != nil {
  return nil, err
 }
```

```
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return nil, err
 }
 return httpResp, nil
}

// validateLicenseCreateRequest creates the ValidateLicense request.
func (client *LicensesClient) validateLicenseCreateRequest(ctx context.Context, parameters License, options
*LicensesClientBeginValidateLicenseOptions) (*policy.Request, error) {
 urlPath := "/subscriptions/{subscriptionId}/providers/Microsoft.HybridCompute/validateLicense"
 if client.subscriptionID
 == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 req, err := runtime.NewRequest(ctx, http.MethodPost, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 if err := runtime.MarshalAsJSON(req, parameters); err != nil {
  return nil, err
 }
 return req, nil
}
```

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// +build go1.18

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// DO NOT EDIT.

package armhybridcompute_test

import (
 "context"
 "log"

 "github.com/Azure/azure-sdk-for-go/sdk/azcore/to"
 "github.com/Azure/azure-sdk-for-go/sdk/azidentity"
 "github.com/Azure/azure-sdk-for-go/sdk/resourcemanager/hybridcompute/armhybridcompute/v2"
)

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2023-06-20-preview/examples/license/License_ValidateLicense.json
func ExampleLicensesClient_BeginValidateLicense() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err !=
 nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
```

```
ctx := context.Background()
clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
if err != nil {
 log.Fatalf("failed to create client: %v", err)
}
poller, err := clientFactory.NewLicensesClient().BeginValidateLicense(ctx, armhybridcompute.License{
 Location: to.Ptr("eastus2euap"),
 Properties: &armhybridcompute.LicenseProperties{
  LicenseDetails: &armhybridcompute.LicenseDetails{
   Type:       to.Ptr(armhybridcompute.LicenseCoreTypePCore),
   Edition:    to.Ptr(armhybridcompute.LicenseEditionDatacenter),
   Processors: to.Ptr[int32](6),
   State:      to.Ptr(armhybridcompute.LicenseStateActivated),
   Target:     to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
  },
  LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 },
}, nil)
if err != nil {
 log.Fatalf("failed to finish the request: %v", err)
}
res, err := poller.PollUntilDone(ctx, nil)
if err !=
nil {
 log.Fatalf("failed to pull the result: %v", err)
}
// You could use response here. We use blank identifier for just demo purposes.
_ = res
// If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
// res.License = armhybridcompute.License{
//  Name: to.Ptr("{licenseName}"),
//  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
//  ID: to.Ptr("/subscriptions/{subscriptionId}/providers/Microsoft.HybridCompute/Licenses/{licenseName}"),
//  Location: to.Ptr("eastus2euap"),
//  Properties: &armhybridcompute.LicenseProperties{
//   LicenseDetails: &armhybridcompute.LicenseDetails{
//    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
//    AssignedLicenses: to.Ptr[int32](2),
//    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
//    ImmutableID: to.Ptr("<generated Guid>"),
//    Processors: to.Ptr[int32](6),
//
   State: to.Ptr(armhybridcompute.LicenseStateActivated),
//    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
//   },
//   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
//   TenantID: to.Ptr("{tenandId}"),
```

```
// },
// }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2023-06-20-preview/examples/license/License_CreateOrUpdate.json
func ExampleLicensesClient_BeginCreateOrUpdate() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 poller, err := clientFactory.NewLicensesClient().BeginCreateOrUpdate(ctx, "myResourceGroup",
 "{licenseName}", armhybridcompute.License{
  Location: to.Ptr("eastus2euap"),
  Properties: &armhybridcompute.LicenseProperties{
   LicenseDetails: &armhybridcompute.LicenseDetails{
    Type:       to.Ptr(armhybridcompute.LicenseCoreTypePCore),
    Edition:    to.Ptr(armhybridcompute.LicenseEditionDatacenter),
    Processors: to.Ptr[int32](6),
    State:      to.Ptr(armhybridcompute.LicenseStateActivated),
    Target:     to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
   },
   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
  },
 }, nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 res, err := poller.PollUntilDone(ctx, nil)
 if err != nil {
  log.Fatalf("failed to pull the result: %v", err)
 }
 // You could use response here. We use blank identifier for just demo purposes.
 _ = res
 // If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values
 in the output are fake values for just demo purposes.
 // res.License = armhybridcompute.License{
 //  Name: to.Ptr("{licenseName}"),
 //  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
 //  ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
```

```
enses/{licenseName}"),
 //  Location: to.Ptr("eastus2euap"),
 //  Properties: &armhybridcompute.LicenseProperties{
 //   LicenseDetails: &armhybridcompute.LicenseDetails{
 //    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
 //    AssignedLicenses: to.Ptr[int32](2),
 //    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //    ImmutableID: to.Ptr("<generated Guid>"),
 //    Processors: to.Ptr[int32](6),
 //    State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //   },
 //   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //   TenantID: to.Ptr("{tenandId}"),
 //  },
 // }
}

// Generated
 from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2023-06-20-preview/examples/license/License_Update.json
func ExampleLicensesClient_BeginUpdate() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 poller, err := clientFactory.NewLicensesClient().BeginUpdate(ctx, "myResourceGroup", "{licenseName}",
armhybridcompute.LicenseUpdate{
  Properties: &armhybridcompute.LicenseUpdateProperties{
   LicenseDetails: &armhybridcompute.LicenseUpdatePropertiesLicenseDetails{
    Type:       to.Ptr(armhybridcompute.LicenseCoreTypePCore),
    Edition:    to.Ptr(armhybridcompute.LicenseEditionDatacenter),
    Processors:
 to.Ptr[int32](6),
    State:      to.Ptr(armhybridcompute.LicenseStateActivated),
    Target:     to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
   },
   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
  },
 }, nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
```

```
 }
 res, err := poller.PollUntilDone(ctx, nil)
 if err != nil {
  log.Fatalf("failed to pull the result: %v", err)
 }
 // You could use response here. We use blank identifier for just demo purposes.
 _ = res
 // If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
 // res.License = armhybridcompute.License{
 //  Name: to.Ptr("{licenseName}"),
 //  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
 //  ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/lice
nses/{licenseName}"),
 //
  Location: to.Ptr("eastus2euap"),
 //  Properties: &armhybridcompute.LicenseProperties{
 //   LicenseDetails: &armhybridcompute.LicenseDetails{
 //    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
 //    AssignedLicenses: to.Ptr[int32](8),
 //    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //    ImmutableID: to.Ptr("<generated Guid>"),
 //    Processors: to.Ptr[int32](6),
 //    State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //   },
 //   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //   TenantID: to.Ptr("{tenandId}"),
 //  },
 // }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2023-06-20-preview/examples/license/License_Get.json
func ExampleLicensesClient_Get() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if
 err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 res, err := clientFactory.NewLicensesClient().Get(ctx, "myResourceGroup", "{licenseName}", nil)
```

```
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 // You could use response here. We use blank identifier for just demo purposes.
 _ = res
 // If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
 // res.License = armhybridcompute.License{
 //  Name: to.Ptr("{licenseName}"),
 //  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
 //  ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
 //
  Location: to.Ptr("eastus2euap"),
 //  Properties: &armhybridcompute.LicenseProperties{
 //   LicenseDetails: &armhybridcompute.LicenseDetails{
 //    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
 //    AssignedLicenses: to.Ptr[int32](8),
 //    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //    ImmutableID: to.Ptr("<generated Guid>"),
 //    Processors: to.Ptr[int32](6),
 //    State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //   },
 //   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //   TenantID: to.Ptr("{tenandId}"),
 //  },
 // }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2023-06-20-preview/examples/license/License_Delete.json
func ExampleLicensesClient_BeginDelete()
 {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 poller, err := clientFactory.NewLicensesClient().BeginDelete(ctx, "myResourceGroup", "{licenseName}", nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
```

```
 }
 _, err = poller.PollUntilDone(ctx, nil)
 if err != nil {
  log.Fatalf("failed to pull the result: %v", err)
 }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2023-06-20-
preview/examples/license/License_ListByResourceGroup.json
func ExampleLicensesClient_NewListByResourceGroupPager() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if
 err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 pager := clientFactory.NewLicensesClient().NewListByResourceGroupPager("myResourceGroup", nil)
 for pager.More() {
  page, err := pager.NextPage(ctx)
  if err != nil {
   log.Fatalf("failed to advance page: %v", err)
  }
  for _, v := range page.Value {
   // You could use page here. We use blank identifier for just demo purposes.
   _ = v
  }
  // If the HTTP response code is 200 as defined in example definition, your page structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
  // page.LicensesListResult = armhybridcompute.LicensesListResult{
  //  Value: []*armhybridcompute.License{
  //   {
  //    Name: to.Ptr("{licenseName}"),
  //
    Type: to.Ptr("Microsoft.HybridCompute/licenses"),
  //    ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
  //    Location: to.Ptr("eastus2euap"),
  //    Properties: &armhybridcompute.LicenseProperties{
  //     LicenseDetails: &armhybridcompute.LicenseDetails{
  //      Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
  //      AssignedLicenses: to.Ptr[int32](8),
```

```
 //      Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //      ImmutableID: to.Ptr("<generated Guid>"),
 //      Processors: to.Ptr[int32](6),
 //      State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //      Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //     },
 //     LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //     TenantID: to.Ptr("{tenandId}"),
 //    },
 //  }},
 // }
 }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2023-06-20-
preview/examples/license/License_ListBySubscription.json
func
 ExampleLicensesClient_NewListBySubscriptionPager() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 pager := clientFactory.NewLicensesClient().NewListBySubscriptionPager(nil)
 for pager.More() {
  page, err := pager.NextPage(ctx)
  if err != nil {
   log.Fatalf("failed to advance page: %v", err)
  }
  for _, v := range page.Value {
   // You could use page here. We use blank identifier for just demo purposes.
   _ = v
  }
  // If the HTTP response code is 200 as defined in example definition, your page structure would look as
 follows. Please pay attention that all the values in the output are fake values for just demo purposes.
  // page.LicensesListResult = armhybridcompute.LicensesListResult{
  //  Value: []*armhybridcompute.License{
  //   {
  //    Name: to.Ptr("{licenseName}"),
  //    Type: to.Ptr("Microsoft.HybridCompute/licenses"),
  //    ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
```

```
enses/{licenseName}"),
 //    Location: to.Ptr("eastus2euap"),
 //    Properties: &armhybridcompute.LicenseProperties{
 //     LicenseDetails: &armhybridcompute.LicenseDetails{
 //      Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
 //      AssignedLicenses: to.Ptr[int32](8),
 //      Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //      ImmutableID: to.Ptr("<generated Guid>"),
 //      Processors: to.Ptr[int32](6),
 //      State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //      Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //
    },
 //     LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //     TenantID: to.Ptr("{tenandId}"),
 //    },
 //  }},
 // }
 }
}
```

1.8174 jeepney 0.9.0

1.8174.1 Available under license :

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1.8175 libffi 3.4.7-r0

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changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system,

rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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[This is the first released version of the library GPL. It is
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me, nickc@redhat.com and I'll correct the situation.

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++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for
gdb-specific debug information and the 68k series machines, most of
the preprocessing pass, and extensive changes in messages.c,
input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various
enhancements and many bug fixes, including merging support for several
processors, breaking gas up to handle multiple object file format
backends (including heavy rewrite, testing, an integration of the coff
and b.out backends), adding configuration
including heavy testing and
verification of cross assemblers and file splits and renaming,
converted gas to strictly ansi C including full prototypes, added
support for m680[34]0 & cpu32, considerable work on i960 including a
coff port (including considerable amounts of reverse engineering), a
sparc opcode file rewrite, decstation, rs6000, and hp300hpux host
ports, updated "know" assertions and made them work, much other
reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of
the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan.
Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of
Buffalo University and Torbjorn Granlund of the Swedish Institute of
Computer Science.

Keith
Knowles at the Open Software Foundation wrote the original MIPS
back end (tc-mips.c, tc-mips.h), and contributed Rose format support
that hasn't been merged in yet. Ralph Campbell worked with the MIPS
code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors
(tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format

(obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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1.8178 libgprofng0 2.42-4ubuntu2.4

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(This file is under construction.) -*- text -*-

If you've contributed to gas and your name isn't listed here, it is
not meant as a slight. I just don't know about it. Email me,
nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into
the documentation, and info on specific files will go into an AUTHORS
file, as requested by the FSF.

++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for
gdb-specific debug information and the 68k series machines, most of
the preprocessing pass, and extensive changes in messages.c,
input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various
enhancements and many bug fixes, including merging support for several
processors, breaking gas up to handle multiple object file format
backends (including heavy rewrite, testing, an integration of the coff
and b.out backends), adding configuration
including heavy testing and
verification of cross assemblers and file splits and renaming,
converted gas to strictly ansi C including full prototypes, added
support for m680[34]0 & cpu32, considerable work on i960 including a
coff port (including considerable amounts of reverse engineering), a
sparc opcode file rewrite, decstation, rs6000, and hp300hpux host
ports, updated "know" assertions and made them work, much other
reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of

the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan.
Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of
Buffalo University and Torbjorn Granlund of the Swedish Institute of
Computer Science.

Keith
Knowles at the Open Software Foundation wrote the original MIPS
back end (tc-mips.c, tc-mips.h), and contributed Rose format support
that hasn't been merged in yet. Ralph Campbell worked with the MIPS
code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors
(tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format
(obj-ieee), was written by Steve Chamberlain of Cygnus Solutions.
Steve also modified the COFF back end (obj-coffbfd) to use BFD for
some low-level operations, for use with the Hitachi, 29k and Zilog
targets.

John Gilmore built the AMD 29000 support, added .include support, and
simplified the configuration of which versions accept which
pseudo-ops. He updated the 68k machine description so that Motorola's
opcodes always produced fixed-size instructions (e.g. jsr), while
synthetic instructions remained shrinkable (jbsr). John fixed many
bugs, including true tested cross-compilation support, and one bug in
relaxation
that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT
syntaxes for the 68k, completed support for some COFF targets (68k,
i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael
Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support,
and made a few other minor patches. He handled the binutils releases
for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of
Cygnus Solutions (original, incomplete implementation), Pete
Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner
of the Open Software Foundation (i386 mainly), and Ken Raeburn of
Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many
small
bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon
University. Additional work was done by Ken Raeburn of Cygnus
Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000
series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30
(tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error
checking, updating the code, and improving the 16 bit support, using
patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If
you've contributed significant work and are not mentioned on this list, and
want to be, let us know. Some of the history has been lost;
we aren't
intentionally leaving anyone out.

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1.8179 binutils 2.42-4ubuntu2.4

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@c Local Variables:
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@c End:
(This file is under construction.) -*- text -*-

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++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for
gdb-specific debug information and the 68k series machines, most of
the preprocessing pass, and extensive changes in messages.c,
input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various
enhancements and many bug fixes, including merging support for several
processors, breaking gas up to handle multiple object file format
backends (including heavy rewrite, testing, an integration of the coff
and b.out backends), adding configuration
including heavy testing and
verification of cross assemblers and file splits and renaming,
converted gas to strictly ansi C including full prototypes, added
support for m680[34]0 & cpu32, considerable work on i960 including a
coff port (including considerable amounts of reverse engineering), a
sparc opcode file rewrite, decstation, rs6000, and hp300hpux host

ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith
Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation
that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on

the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to

exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition,
mere aggregation of another work not based on the Library
with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the
Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative
work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it

contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood

that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

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If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the

integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system;
it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

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version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

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WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.

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FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
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<name of author>

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You should have received a copy of the GNU Library General Public
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Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston,
MA 02110-1301, USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary.
Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

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Version 3, 29 June 2007

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share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
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your programs, too.

When we speak of free software, we are referring to
freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1)
assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand
ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of

interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not

convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed;
section 10
makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

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4. Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately
publish on each copy an appropriate copyright notice;
keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code;
keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to

produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

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1.8181 google-go-cmp 0.7.0

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1.8182 spring-beans 6.1.17

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```
/**
  * Process the given {@link ConfigurableListableBeanFactory} instance
  * ahead-of-time and return a contribution or {@code null}.
  * <p>Processors are free to use any techniques they like to analyze the given
  * bean factory. Most typically use reflection to find fields or methods to
  * use in the
 contribution. Contributions typically generate source code or
  * resource files that can be used when the AOT optimized application runs.
  * <p>If the given bean factory does not contain anything that is relevant to
  * the processor, this method should return a {@code null} contribution.
  * @param beanFactory the bean factory to process
  * @return a {@link BeanFactoryInitializationAotContribution} or {@code null}
  */
```

Found in path(s):
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/aot/BeanFactoryInitializationAotProcessor.java
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* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/PropertyValuesEditor.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/serviceloader/ServiceFactoryBean.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/parsing/DefaultsDefinition.java
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* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/xml/XmlBeanDefinitionStoreException.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/support/ReplaceOverride.java
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* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/xml/BeanDefinitionParserDelegate.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/config/MethodInvokingBean.java
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* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/parsing/ParseState.java
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/opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/config/YamlPropertiesFactoryBean.java
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* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/TypeConverterSupport.java
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* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/xml/XmlBeanDefinitionReader.java
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* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/support/ChildBeanDefinition.java
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* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/xml/DefaultBeanDefinitionDocumentReader.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/propertyeditors/LocaleEditor.java
*
/opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/aot/BeanInstanceSupplier.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/annotation/QualifierAnnotationAutowireCandidateResolver.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/BeanUtils.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/config/DependencyDescriptor.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/support/SimpleInstantiationStrategy.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/InjectionPoint.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/annotation/JakartaAnnotationsRuntimeHints.java
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/opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/propertyeditors/ZoneIdEditor.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/support/RootBeanDefinition.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/aot/BeanRegistrationKey.java

* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/support/GenericTypeAwareAutowireCandidateResolver.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/GenericTypeAwarePropertyDescriptor.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/aot/CodeWarnings.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/BeanWrapperImpl.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/support/PropertyComparator.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/groovy/GroovyBeanDefinitionWrapper.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/support/DefaultSingletonBeanRegistry.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/propertyeditors/PathEditor.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/aot/DefaultBeanRegistrationCodeFragments.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/MutablePropertyValues.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/support/AbstractAutowireCapableBeanFactory.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/annotation/AutowiredAnnotationBeanPostProcessor.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/support/AbstractBeanFactory.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/support/DefaultListableBeanFactory.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/PropertyDescriptorUtils.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/aot/InstanceSupplierCodeGenerator.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/groovy/GroovyBeanDefinitionReader.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/support/MethodDescriptor.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/support/ConstructorResolver.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/aot/BeanDefinitionPropertiesCodeGenerator.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/ListableBeanFactory.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/support/DisposableBeanAdapter.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-

jar/org/springframework/beans/factory/aot/BeanRegistrationCodeFragmentsDecorator.java
*
 /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/support/RegisteredBean.java
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/**
  * Process the given {@link RegisteredBean} instance ahead-of-time and
  * return a contribution or {@code null}.
  * <p>
  * Processors are free to use any techniques they like to analyze the given
  * instance. Most typically use reflection to find fields or methods to use
  * in the contribution. Contributions
 typically generate source code or
  * resource files that can be used when the AOT optimized application runs.
  * <p>
  * If the given instance isn't relevant to the processor, it should return a
  * {@code null} contribution.
  * @param registeredBean the registered bean to process
  * @return a {@link BeanRegistrationAotContribution} or {@code null}
  */
```

Found in path(s):
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/aot/BeanRegistrationAotProcessor.java
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* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/propertyeditors/InputSourceEditor.java
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 /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/parsing/AbstractComponentDefinition.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/annotation/Configurable.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/wiring/BeanWiringInfoResolver.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/BeanFactoryAware.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/BeanExpressionException.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/parsing/ComponentDefinition.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/BeanIsAbstractException.java
*
 /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/parsing/EmptyReaderEventListener.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/PropertyEditorRegistrar.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/parsing/PassThroughSourceExtractor.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/config/BeanReference.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/support/BeanDefinitionValidationException.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/parsing/ProblemReporter.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/ConversionNotSupportedException.java
*
 /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/BeanCurrentlyInCreationException.java

* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/xml/DocumentLoader.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/support/SortDefinition.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/BeanCreationNotAllowedException.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/parsing/NullSourceExtractor.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/parsing/ConstructorArgumentEntry.java
*
 /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/xml/BeanDefinitionDecorator.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/HierarchicalBeanFactory.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/PropertyEditorRegistry.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/wiring/ClassNameBeanWiringInfoResolver.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/BeanIsNotAFactoryException.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/xml/NamespaceHandler.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/parsing/BeanDefinitionParsingException.java
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* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/xml/AbstractSimpleBeanDefinitionParser.java

*
/opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/NotReadablePropertyException.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/SmartInitializingSingleton.java
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* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/TypeMismatchException.java
*
/opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/BeanFactoryUtils.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/AbstractPropertyAccessor.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/UnsatisfiedDependencyException.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/support/PropertiesBeanDefinitionReader.java
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* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/ExtendedBeanInfoFactory.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/aot/BeanFactoryInitializationCode.java
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/opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/aot/BeanDefinitionMethodGeneratorFactory.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/serviceloader/AbstractServiceLoaderBasedFactoryBean.java

* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/aot/BeanRegistrationExcludeFilter.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/support/ManagedSet.java
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* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/config/BeanExpressionResolver.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/support/InstantiationStrategy.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/ListableBeanFactoryExtensions.kt
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/config/PropertyResourceConfigurer.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/support/SimpleAutowireCandidateResolver.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/aot/BeanRegistrationsCode.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/support/ManagedMap.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/aot/AutowiredArguments.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/support/ManagedList.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/aot/AotServices.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/propertyeditors/CharsetEditor.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/SimpleBeanInfoFactory.java
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* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/aot/AutowiredArgumentsCodeGenerator.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/aot/BeanRegistrationCode.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/xml/ResourceEntityResolver.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/config/ConfigurableListableBeanFactory.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/propertyeditors/TimeZoneEditor.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/PropertyAccessor.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-

jar/org/springframework/beans/factory/aot/BeanFactoryInitializationAotContribution.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/config/SmartInstantiationAwareBeanPostProcessor.java
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* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/config/PropertyOverrideConfigurer.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/PropertyAccessException.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/config/DestructionAwareBeanPostProcessor.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/propertyeditors/CustomBooleanEditor.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/SmartFactoryBean.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/PropertyValues.java
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* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/Aware.java
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* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/xml/AbstractBeanDefinitionParser.java
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* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/NoSuchBeanDefinitionException.java
* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/Mergeable.java
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* /opt/cola/permits/2383982531_1741023874.9100122/0/spring-beans-6-1-17-sources-jar/org/springframework/beans/factory/CannotLoadBeanClassException.java
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* /opt/cola/permits/2383982640_1741023991.8889432/0/spring-expression-6-1-17-sources-jar/org/springframework/expression/spel/ast/StringLiteral.java
* /opt/cola/permits/2383982640_1741023991.8889432/0/spring-expression-6-1-17-sources-jar/org/springframework/expression/spel/ast/OperatorInstanceof.java
* /opt/cola/permits/2383982640_1741023991.8889432/0/spring-expression-6-1-17-sources-jar/org/springframework/expression/spel/ast/Ternary.java
* /opt/cola/permits/2383982640_1741023991.8889432/0/spring-expression-6-1-17-sources-jar/org/springframework/expression/ExpressionException.java
* /opt/cola/permits/2383982640_1741023991.8889432/0/spring-expression-6-1-17-sources-jar/org/springframework/expression/spel/standard/SpelExpression.java
* /opt/cola/permits/2383982640_1741023991.8889432/0/spring-expression-6-1-17-sources-jar/org/springframework/expression/spel/ast/OpDivide.java
* /opt/cola/permits/2383982640_1741023991.8889432/0/spring-expression-6-1-17-sources-jar/org/springframework/expression/spel/ast/OpModulus.java

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* /opt/cola/permits/2383982640_1741023991.8889432/0/spring-expression-6-1-17-sources-jar/org/springframework/expression/spel/standard/InternalSpelExpressionParser.java
* /opt/cola/permits/2383982640_1741023991.8889432/0/spring-expression-6-1-17-sources-jar/org/springframework/expression/spel/support/StandardOperatorOverloader.java
* /opt/cola/permits/2383982640_1741023991.8889432/0/spring-expression-6-1-17-sources-jar/org/springframework/expression/spel/ast/Elvis.java
* /opt/cola/permits/2383982640_1741023991.8889432/0/spring-expression-6-1-17-sources-jar/org/springframework/expression/spel/support/StandardTypeComparator.java
* /opt/cola/permits/2383982640_1741023991.8889432/0/spring-expression-6-1-17-sources-jar/org/springframework/expression/spel/support/StandardTypeLocator.java
* /opt/cola/permits/2383982640_1741023991.8889432/0/spring-expression-6-1-17-sources-jar/org/springframework/expression/spel/ast/OperatorMatches.java
* /opt/cola/permits/2383982640_1741023991.8889432/0/spring-expression-6-1-17-sources-jar/org/springframework/expression/spel/standard/SpelExpressionParser.java
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* /opt/cola/permits/2383982640_1741023991.8889432/0/spring-expression-6-1-17-sources-jar/org/springframework/expression/spel/ast/OpMultiply.java
* /opt/cola/permits/2383982640_1741023991.8889432/0/spring-expression-6-1-17-sources-jar/org/springframework/expression/spel/ExpressionState.java
* /opt/cola/permits/2383982640_1741023991.8889432/0/spring-expression-6-1-17-sources-jar/org/springframework/expression/spel/ast/OpMinus.java
* /opt/cola/permits/2383982640_1741023991.8889432/0/spring-expression-6-1-17-sources-jar/org/springframework/expression/spel/ast/Literal.java
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* /opt/cola/permits/2383982640_1741023991.8889432/0/spring-expression-6-1-17-sources-jar/org/springframework/expression/spel/InternalParseException.java

1.8190 spring-framework 6.1.17

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   "boost-preprocessor",
   "boost-static-assert",
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   "boost-vcpkg-helpers"
 ]
}
```


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Source: kvasir-mpl
Version: 2019-08-06
Homepage: https://github.com/kvasir-io/mpl
Description: This library is part of the Kvasir project. Kvasir is a collection of zero cost statically checked libraries for resource constrained systems including microcontrollers.

Feature: test
Description: Build with test
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Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: Apache Arrow
Upstream-Contact: Apache Arrow Developers <dev@arrow.apache.org>

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jloup@gzip.org madler@alumni.caltech.edu
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Jerasure - A C/C++ Library for a Variety of Reed-Solomon and RAID-6 Erasure Coding Techniques

Revision 2.0: Galois Field backend now links to GF-Complete

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Modified and extended 2015 by Bernhard Nortmann, https://github.com/n1tehawk/LuaXML
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```
overrides:
 ceph:
   conf:
     client:
       client acl type: posix_acl
tasks:
- workunit:
   clients:
     all:
       - fs/misc/acl.sh
       - fs/misc/chmod.sh
       - fs/misc/dac_override.sh
```

CommonJS specification snapshots are included in the references/
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Vadim Berman <vadimb@google.com>
Vlad Losev <vladl@google.com>
Zhanyong Wan <wan@google.com>
overrides:
 ceph:
   conf:
     client:
       fuse set user groups: true
       client acl type: posix_acl
tasks:
- workunit:
   timeout: 6h
   clients:
     all:
       - suites/pjd.sh
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Developed by:

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    "git-tree": "d07bf9f9e3380b5b9774152634b93bb308af0bd3",
    "version-string": "2019-08-06",
    "port-version": 0
   }
 ]
}
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   <h3>
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  <p class="copyright">
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  </p>
  <p class="copyright">
    2018 Joe Blow, John Coe
  </p>
  <p class="copyright">
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  </p>
 </body>
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```

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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes

2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1.1	2010	PSF	yes
3.1.3	3.1.2	2010	PSF	yes
3.1.4	3.1.3	2011	PSF	yes
3.2	3.1	2011	PSF	yes
3.2.1	3.2	2011	PSF	yes
3.2.2	3.2.1	2011	PSF	yes
3.2.3	3.2.2	2012	PSF	yes
3.3.0	3.2	2012	PSF	yes

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
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*  You can contact the author at :
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/* C LALR(1) parser skeleton written by Richard Stallman, by
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/// @file glm/common.hpp
/// @date 2013-12-24 / 2013-12-24
/// @author Christophe Riccio
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xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
>
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<_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
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  <rdfs:comment></rdfs:comment>
   <_3:licenseListVersion>1.20</_3:licenseListVersion>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#CreationInfo"/>
  <_3:creator>Organization: duktape.org</_3:creator>
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distributable)</_3:copyrightText>
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  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright
2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
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distributable)</_3:copyrightText>
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  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
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  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
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(see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
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distributable)</_3:copyrightText>
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distributable)</_3:copyrightText>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>c00100a35037a372ebcde740082d5bb7c7735057</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP135">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
   <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP136"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/cpp-exceptions/README.rst</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
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  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP486"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src/metadata.json</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
</rdf:Description>
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  <_3:checksumValue>82314b509ee3b15b393fefe747c8e0169ab39aaa</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP407">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP408"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
   <_3:fileName>./src-separate/duk_numconv.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP269">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP270"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_bi_date.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
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  <_3:checksumValue>23b6b54a8a35fbec735ffb332f4100a7f00557be</_3:checksumValue>
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 </rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP345">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
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<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
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<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP58"/>
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<_3:fileName>./debugger/duk_debug_meta.json</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
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<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
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2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP434"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./src-separate/duktape.h</_3:fileName>
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</rdf:Description>
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<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP40"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./src-noline/duk_config.h</_3:fileName>
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</rdf:Description>

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<rdf:Description rdf:nodeID="svBMzJkP449">
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rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP450"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_debug_macros.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP174">
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  <_3:checksumValue>012eed9a677efd2062f7ed6965d5a39e9e569c25</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>8015d14ffbc7a4a4b93d654f093aa48ec17fce4e</_3:checksumValue>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP117">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP118"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/eventloop/curses-timers.js</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP8">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>fa2824f02d8a2d21f729a4e9d44557f3b39a9355</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
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<rdf:Description rdf:nodeID="svBMzJkP403">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP404"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_strings.h</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP183">
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  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP184"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/debug-trans-dvalue/duk_trans_dvalue.c</_3:fileName>
   <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
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 <rdf:Description rdf:nodeID="svBMzJkP130">
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  <_3:checksumValue>a8c0b54002a3a7d8c69d385e7fbcf4b70d1efc70</_3:checksumValue>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>c81b68018e3d6f1b93683f7ead8761c01f2ca760</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP445">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape
 authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP446"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_heap_stringcache.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
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 <rdf:Description rdf:nodeID="svBMzJkP20">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>df02f8688766b929639cca4881b73cb8f745c97c</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP335">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP336"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_heap_refcount.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP298">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>59df770184e4c26b190a76f4cd035c7e661d573f</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
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 </rdf:Description>
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   <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
   <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
   <_3:checksum rdf:nodeID="svBMzJkP470"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
   <_3:fileName>./config/README.rst</_3:fileName>
    <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP232">
   <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
   <_3:checksumValue>fd24ca07cfd8fd37f3e70d10ad078ee5f149c9ce</_3:checksumValue>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
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   <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
   <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
   <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
   <_3:checksum rdf:nodeID="svBMzJkP30"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
   <_3:fileName>./Makefile.dukdebug</_3:fileName>
   <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP435">
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   <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
   <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
   <_3:checksum rdf:nodeID="svBMzJkP436"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
   <_3:fileName>./src-separate/duk_replacements.c</_3:fileName>
   <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
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   <_3:checksumValue>22046b9dfc552ed692193d1bf5e3d0e182111ae5</_3:checksumValue>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP283">
   <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
   <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
    <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
   <_3:checksum rdf:nodeID="svBMzJkP284"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
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```
  <_3:fileName>./src-separate/duk_api_internal.h</_3:fileName>
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 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP399">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP400"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_js_executor.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
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  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP482"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./licenses/lua.txt</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
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  <_3:checksumValue>e023af5c2fb4b1efab74a230c552f1eb1b37fc10</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
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  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile
 rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP128"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/dummy-date-provider/README.rst</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP438">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>54a05944602f4a24864001a40d770591c6800daf</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP46">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>4e41e7165a8d6e3bd370bc4536b16835a7204cf6</_3:checksumValue>
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 </rdf:Description>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>a23d89e3ff8fe247e09338af7b38bdab41da5c3e</_3:checksumValue>
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 </rdf:Description>
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  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP358"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_tval.h</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
   <_3:checksumValue>821b268a1d4339ea2b309bdb6f527aa61bdb6b23</_3:checksumValue>
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 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP192">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>194e0bf80a1ddcc4d2d68ea6d2539656f3044f78</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP260">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>063133679b6d072efc1c27f3a510101744ffde0c</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
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  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
   <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP354"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_api_bytecode.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP186">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>5f3b6cd81be97aa687fe8b47751e68b5561d7c1b</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
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<_3:checksumValue>ad583b87e72c08b4b44918dd1d7fce97e4950aa4</_3:checksumValue>
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<rdf:Description
rdf:nodeID="svBMzJkP96">
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<rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
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<rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP367">
<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP368"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./src-separate/duk_bi_boolean.c</_3:fileName>
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<_3:checksumValue>829c4239ff43a1e15aa08bbbab41e7fba9207859</_3:checksumValue>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP125">
<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP126"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./examples/eventloop/server-socket-test.js</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP392">
<_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
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<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape

distributable)</_3:copyrightText>
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<_3:fileName>./examples/guide/uppercase.c</_3:fileName>
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</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP282">
<_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
<_3:checksumValue>786369a33cccbadc3d2efba613a43fdd638971fc</_3:checksumValue>
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<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP220"/>
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<_3:fileName>./src-separate/duk_api_debug.c</_3:fileName>
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</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP154">
<_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
<_3:checksumValue>881f1b114c9fbba139044ddcbbc5398243185d10</_3:checksumValue>
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</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP63">
<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP64"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./debugger/duk_opcodes.yaml</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP216">
<_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
<_3:checksumValue>3fa5d72893eb3e1d42d07c8effc8bb1443f87dd6</_3:checksumValue>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP248">
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<_3:checksumValue>105dd2e79d90b96b6b1ae419bff31ed6a0273af6</_3:checksumValue>
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</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP226">
<_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>

<_3:checksumValue>48eafa3f368fc879bfb79c2b2a30846a0b5d9b42</_3:checksumValue>
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</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP264">
<_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
<_3:checksumValue>3f2b3b6b16cc969631b9980bc67aa6cc2c872048</_3:checksumValue>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP313">
<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile
rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP314"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./src-separate/duk_error_augment.c</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP363">
<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP364"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./src-separate/duk_bi_thrower.c</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP122">
<_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
<_3:checksumValue>6b98824e13a3d9536542b8da51d012a3d66ceec1</_3:checksumValue>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP66">
<_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
<_3:checksumValue>23f0401f57af7b8e4df6636637caffce6956445b</_3:checksumValue>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP161">
<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP162"/>
<rdf:type
rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./examples/hello/README.rst</_3:fileName>

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  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP410">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>457df68e290e23da40cac39a7cc35d6d6b4257c6</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP61">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP62"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./debugger/duk_classnames.yaml</_3:fileName>
  <_3:fileType
 rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP164">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>a4e2dfaee71b2316f2c3d149b4a507250b54dd96</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP213">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP214"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_jmpbuf.h</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
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 <rdf:Description rdf:nodeID="svBMzJkP460">
   <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>089c395fca3cedceec09fd38d32d0c77dc8658f4</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP328">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>3f640daaa5e9d226a04fe419cb5eb1c07d06d346</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP47">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
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  <_3:checksum rdf:nodeID="svBMzJkP48"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./debugger/duk_debugerrors.yaml</_3:fileName>
   <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP369">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP370"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_error_macros.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP76">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>4239a907720cf3620bd0b03eb43981e7182e305a</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
  <rdf:Description rdf:nodeID="svBMzJkP293">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP294"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_hthread_builtins.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
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  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP76"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
   <_3:fileName>./examples/coffee/mandel.coffee</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP296">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>6988aac432dcc185c2967732e21947ea0696377f</_3:checksumValue>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
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  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP155">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP156"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/alloc-torture/duk_alloc_torture.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP157">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP158"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/alloc-torture/duk_alloc_torture.h</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP71">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP72"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./debugger/static/index.html</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP356">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>93e24d8abbf79fb6a2fcd54679c476866ad6ab2a</_3:checksumValue>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP4">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:sourceInfo>Official duktape.org release built from GitHub repo
https://github.com/svaarala/duktape.</_3:sourceInfo>
  <_3:downloadLocation
rdf:datatype="http://www.w3.org/2001/XMLSchema#anyURI">http://duktape.org/duktape-
```

1.5.2.tar.xz</_3:downloadLocation>
<_3:licenseDeclared rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:supplier>Organization: duktape.org</_3:supplier>
<_3:packageVerificationCode rdf:nodeID="svBMzJkP5"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#Package"/>
<_3:description>Duktape is an embeddable Javascript engine, with a focus on portability and compact footprint</_3:description>
<_3:licenseComments>Duktape is copyrighted by its authors and licensed under the MIT license. MurmurHash2 is used internally, it is also under the MIT license. Duktape module loader is based on the CommonJS module loading specification (without sharing any code), CommonJS is under the MIT license.</_3:licenseComments>
<_3:originator>Organization: duktape.org</_3:originator>
<_3:hasFile rdf:nodeID="svBMzJkP127"/>
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  <_3:name>Duktape</_3:name>
  <_3:homePage
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  <_3:versionInfo>1.5.2</_3:versionInfo>
   <_3:summary>Duktape Ecmascript interpreter</_3:summary>
  <_3:licenseInfoFromFiles rdf:resource="http://spdx.org/licenses/MIT"/>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>af6b0cd61c02efa575b9106682606297d26f013b</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
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 <rdf:Description rdf:nodeID="svBMzJkP430">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>ddcaaa8f260ff00f22e09d7fb4b4b7ca94858f30</_3:checksumValue>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>bdb9243b436ef5c70967bddd16d0cc9e74971b1c</_3:checksumValue>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>cb09ad82ed76b6fcaf0ac32db698c1ce50e0a508</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
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</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP368">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>a20231719c1f9b97ea38fbc42dd8af1e21d74879</_3:checksumValue>
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  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
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  <_3:checksumValue>95a06fb24eca405019eb7b7d535179245eda6099</_3:checksumValue>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>ea413ed7d47cf27c6f3ffe25956b1370b653c200</_3:checksumValue>
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   <_3:checksumValue>0bba41f542f2279b6bfa297ba4e7ee824e3ebd78</_3:checksumValue>
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</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP421">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP422"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_js_ops.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
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<rdf:Description rdf:nodeID="svBMzJkP7">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst
 in the Duktape distributable)</_3:copyrightText>
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  <_3:fileName>./LICENSE.txt</_3:fileName>
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 <rdf:Description rdf:nodeID="svBMzJkP299">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP300"/>
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  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP112">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>64566ae0bdc1c3e1017604b6b45d515c30d976eb</_3:checksumValue>
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 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP463">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
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  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./polyfills/console-minimal.js</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
  </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP223">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
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  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
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  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
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  <_3:checksumValue>2c86a9ed51255ba3b0b225e48c093851a78cae71</_3:checksumValue>
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  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
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  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_api_call.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
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  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>

 <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
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  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP164"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/cmdline/duk_cmdline_ajduk.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP411">
   <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP412"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_heaphdr.h</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP362">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>5ab84f0ff2ed8c4b4a2daa5957d2a20447887103</_3:checksumValue>
```

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  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP444">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>8483a2211d6323480efa605ee646959695b742c6</_3:checksumValue>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP200">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>fba891f21dc0b80d282f16d39c37007965adcd04</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP396">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>47e1001460004f53dfc350355e02bf56f18b0398</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP113">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst
in the Duktape distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP114"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/eventloop/fileio.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP306">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>d529a6faac560def1e5b2cdb991713a6d70b0e26</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP434">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>b7be4a3a943099fdf318480615d1c130be87a841</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP358">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
   <_3:checksumValue>a9493898a19810a5450d2442d1ff1dfb4ff76d1c</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP220">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>ee1f62688128fef0954cc9b93e41c199212e5a82</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP65">
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<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
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<_3:checksum rdf:nodeID="svBMzJkP66"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./debugger/merge_debug_meta.py</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP44">
<_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
<_3:checksumValue>bc9d119b5e66085e7e4219685fd351fb3f68d800</_3:checksumValue>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP195">
<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP196"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./examples/alloc-logging/duk_alloc_logging.h</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP452">
<_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
<_3:checksumValue>aa1f72e7a2b4891ec1f445eb031dfba69bdc85de</_3:checksumValue>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP270">
<_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
<_3:checksumValue>1f430f45a3e52e4327eb17b2213a6f473dc1f6d2</_3:checksumValue>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP206">
<_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
<_3:checksumValue>9b7de9f9f25d095dfcffbf2d7629cd772fe632f0</_3:checksumValue>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP401">
<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP402"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>

```
  <_3:fileName>./src-separate/duk_bi_date_windows.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP479">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP480"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./licenses/murmurhash2.txt</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP120">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>88ab1d060886393d94b6fb7c6054a0189117340b</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP314">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>d32ab97622eaf870648dfdf8e5b9cb034740affa</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP398">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>2e9dca0919a92c68ed30593292b3fe7140480062</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP378">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
   <_3:checksumValue>d5f1184bc60b9049b0dbf1e51ae6a5fe7e5e3192</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP18">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>f3ed5c785b60b0f39a74cc3f5b73b0c6e24287c3</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP425">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP426"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_bi_object.c</_3:fileName>
   <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
```

```
 <rdf:Description rdf:nodeID="svBMzJkP203">
   <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
   <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
   <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
   <_3:checksum rdf:nodeID="svBMzJkP204"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
   <_3:fileName>./src-separate/duk_unicode_support.c</_3:fileName>
   <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP159">
   <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
   <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
   <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>

  <_3:checksum rdf:nodeID="svBMzJkP160"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
   <_3:fileName>./examples/hello/hello.c</_3:fileName>
   <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP491">
   <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
   <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
   <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
   <_3:checksum rdf:nodeID="svBMzJkP492"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
   <_3:fileName>./src/duktape.h</_3:fileName>
   <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP391">
   <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
   <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
    <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
   <_3:checksum rdf:nodeID="svBMzJkP392"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
   <_3:fileName>./src-separate/duk_bi_duktape.c</_3:fileName>
   <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP33">
   <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
   <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
   <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
   <_3:checksum rdf:nodeID="svBMzJkP34"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
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```
  <_3:fileName>./Makefile.eventloop</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP311">
   <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP312"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_selftest.h</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP115">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP116"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/eventloop/ecma_eventloop.js</_3:fileName>
   <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP92">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>01138dd2786346a159c06e43f094d07f002df881</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP405">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP406"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_api_buffer.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
  <rdf:Description rdf:nodeID="svBMzJkP141">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP142"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/guide/processlines.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
```

```
<rdf:Description rdf:nodeID="svBMzJkP236">
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  <_3:checksumValue>c763ffca7e15df01f44cf89518eb870380b03ee8</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP99">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
   <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP100"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/jxpretty/jxpretty.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP132">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>29b1960bc40607c2cf496465068611b2ffc4de87</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP482">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>55aa8c67f1fa418f8d625a32a9d6268e9d94429c</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP333">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP334"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_debug_vsnprintf.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP21">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP22"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./Makefile.coffee</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP211">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
```

<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP212"/>
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<_3:fileName>./src-separate/duk_numconv.h</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP413">
<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright
2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP414"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./src-separate/duk_bi_proxy.c</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP184">
<_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
<_3:checksumValue>0783cf4f48c9baf2b3820a36ab276b01e2102600</_3:checksumValue>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP129">
<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP130"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./examples/dummy-date-provider/dummy_date_provider.c</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
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distributable)</_3:copyrightText>
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distributable)</_3:copyrightText>
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   <_3:fileName>./src-separate/duk_hnativefunction.h</_3:fileName>
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   <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
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distributable)</_3:copyrightText>
   <_3:checksum rdf:nodeID="svBMzJkP360"/>
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distributable)</_3:copyrightText>
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distributable)</_3:copyrightText>
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   <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
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distributable)</_3:copyrightText>
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distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP172"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
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distributable)</_3:copyrightText>
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distributable)</_3:copyrightText>
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 in the Duktape distributable)</_3:copyrightText>
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distributable)</_3:copyrightText>
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    <_3:fileName>./src-separate/duk_util_bitdecoder.c</_3:fileName>
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distributable)</_3:copyrightText>
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    <_3:fileName>./src-separate/duk_unicode_tables.c</_3:fileName>
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  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
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distributable)</_3:copyrightText>
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  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/alloc-hybrid/duk_alloc_hybrid.h</_3:fileName>
   <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP26">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>3b8236810650f4e28bd84984b3c7e55029f241b0</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP453">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
```

distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP454"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./polyfills/duktape-error-setter-writable.js</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP278">
<_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
<_3:checksumValue>cd7bd1908b56fe13dc63ac64b53ca793221f9359</_3:checksumValue>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP337">
<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP338"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./src-separate/duk_heap_markandsweep.c</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP465">
<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP466"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./polyfills/performance-now.js</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP303">
<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP304"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./src-separate/duk_exception.h</_3:fileName>
<_3:fileType
rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP187">
<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP188"/>

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  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/sandbox/sandbox.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP109">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP110"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/eventloop/c_eventloop.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP17">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP18"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./mandel.js</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP395">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright
 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP396"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_hbufferobject.h</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP470">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>6d5f56a1b76f9dcc9bb68d62ad0df958bd4d38ec</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP162">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>10c24a17c2f5f82d8c1a8fab8673c0c9075c1817</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description
 rdf:nodeID="svBMzJkP288">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>14ec83aeef66a38c6a4c48a175a544f66d319413</_3:checksumValue>
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  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP320">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>2c508fbc7eb127f6793cfe62bf947879668983a4</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP172">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>01d4eb01e522172282a4a0ea3aa06f33ce7bec3c</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP93">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile
 rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP94"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/codepage-conv/test.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP144">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>4baffeb2aa785bdc1065eb9ddb8c64c8a028655d</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP150">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>ed3bd07dbd103d285277ab38c4b4a7dd4a4b654b</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
  </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP379">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP380"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_bi_array.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP111">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
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  <_3:checksum rdf:nodeID="svBMzJkP112"/>
  <rdf:type
rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/eventloop/README.rst</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP90">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>9bb6ca1fa3ad4c593b000b2de5aca013b95adda0</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP52">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>9406efff4ddfa3fe00ae52c28963df486fc48dfa</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP240">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>ebbb5b2489ccab8f4a6ef741aac3eafac4c49ebd</_3:checksumValue>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP134">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>c2d899e7f2343579f29ad3079fde44eec5d6a544</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP197">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP198"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/alloc-logging/README.rst</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
</rdf:Description>
<rdf:Description
rdf:nodeID="svBMzJkP402">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>0053a77d6c3562af6d2238f096f3a9bd4b5a834f</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP348">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>82ae634976f8641d5582058879d42d843713927b</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP178">
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```
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>11f16b15a8e52598a078b88a8d0440ff61dd5ba2</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP13">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile
 rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP14"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./README.rst</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP384">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>d650b46e62e2579b3f4c16ee9b5a8abd1c8241b5</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP344">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>11ecfff4142b35382d0aaf80ee6c04ae3dfd0b4c</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
  </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP322">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>0610275779180357a50777f77d1de0e0478f23a7</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
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 <rdf:Description rdf:nodeID="svBMzJkP14">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>0221b13981af62e7382a806c24f92450597b6106</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP152">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>4e5a54de08355669dc98b5d4ad379384b33da4e5</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP457">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
   <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP458"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./polyfills/object-assign.js</_3:fileName>
```

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  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP6">
  <rdfs:comment>SPDX license for Duktape 1.5.2</rdfs:comment>
  <_3:referencesFile rdf:nodeID="svBMzJkP127"/>
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<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP456"/>
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distributable)</_3:copyrightText>
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<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP478"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./extras/README.rst</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
</rdf:Description>
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<_3:checksum rdf:nodeID="svBMzJkP462"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./polyfills/duktape-isfastint.js</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
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<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP286"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./src-separate/duk_api_logging.c</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
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<rdf:Description rdf:nodeID="svBMzJkP11">
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<_3:licenseInfoInFile
rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP12"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./Makefile.sharedlibrary</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP316">

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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>0f87aa4dae2a89f7ed3163197f96790ec6b28b19</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>e44b8b092afcfa97e693eb3e0be97d41f8aff301</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP315">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP316"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_api_heap.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
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  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP180"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
   <_3:fileName>./examples/debug-trans-dvalue/README.rst</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
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 <rdf:Description rdf:nodeID="svBMzJkP98">
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  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
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 <rdf:Description rdf:nodeID="svBMzJkP210">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>7f45dbd1e665b257c7186982b8b3362753856b18</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
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 <rdf:Description rdf:nodeID="svBMzJkP55">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright
 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP56"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./debugger/duk_debugcommands.yaml</_3:fileName>
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   <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
   <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
   <_3:checksum rdf:nodeID="svBMzJkP92"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
   <_3:fileName>./examples/codepage-conv/duk_codepage_conv.c</_3:fileName>
   <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
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    <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
   <_3:checksumValue>62ecbef7a21dd5c49b38fbe344e2511c07f36261</_3:checksumValue>
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   <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
   <_3:checksumValue>030ac3c728cca19fe93d652a4b6b8758d739d9b9</_3:checksumValue>
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 <rdf:Description rdf:nodeID="svBMzJkP74">
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   <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
   <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
    <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
   <_3:checksum rdf:nodeID="svBMzJkP474"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
   <_3:fileName>./config/duk_config.h-modular-static</_3:fileName>
   <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
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 <rdf:Description rdf:nodeID="svBMzJkP254">
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   <_3:checksumValue>4fae13370046b51fe87c60fa86eb14f2948fd143</_3:checksumValue>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
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 <rdf:Description rdf:nodeID="svBMzJkP262">
   <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
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  </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP432">
   <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
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<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP420"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./src-separate/duk_bi_thread.c</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP170">
<_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
<_3:checksumValue>641b29e08addaa543f37561f5a35689f5fba876e</_3:checksumValue>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
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<rdf:Description rdf:nodeID="svBMzJkP286">
<_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
<_3:checksumValue>fb9c2ff459fd84b4587f846fbd36219cf8f06931</_3:checksumValue>
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2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP192"/>
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<_3:fileName>./examples/alloc-logging/duk_alloc_logging.c</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP158">
<_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
<_3:checksumValue>d45e3fc443887261ce432a807aaebd2a1812264e</_3:checksumValue>
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<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>

<_3:checksum rdf:nodeID="svBMzJkP428"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./src-separate/duk_api_var.c</_3:fileName>
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<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP120"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./examples/eventloop/basic-test.js</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
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<rdf:Description rdf:nodeID="svBMzJkP205">
<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP206"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./src-separate/duk_builtins.h</_3:fileName>
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<_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
<_3:checksumValue>f20291ecae9e775ebac2a6ed24f5399c2b3a7883</_3:checksumValue>
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</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP385">
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<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP386"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./src-separate/duk_heap_alloc.c</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP366">
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<_3:checksumValue>239011a773fbafa409c2f02b5e889bd5d28d16e1</_3:checksumValue>

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  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP472"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./config/duk_config.h-modular-dll</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP58">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>c33541d338ff3d8461dd1a8573a6372e19cb12e4</_3:checksumValue>
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  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP232"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_hstring_misc.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
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  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP90"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/codepage-conv/README.rst</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP24">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>f396c6aec456b183ef77e33da1dfffc89c417056</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
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</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP212">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>a2c79a55a60f73e1a1567b96d584399571180ef5</_3:checksumValue>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP484">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>92ce3decf72b10b0023116ac727a752e8749aa90</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP390">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>339f26c72e051cf531426a63fe6c35c476bad645</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
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  <_3:checksumValue>a9206a7b46f8d8319b798475650217f494fa76ab</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>fa85ee3394206d18c611b837e700257ba8336250</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
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  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP292"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_bi_json.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>03cad085177f1e776be90afceef1f2160e6c8bf4</_3:checksumValue>
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  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP50"/>
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  <_3:fileName>./debugger/duk_debug_proxy.js</_3:fileName>
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  </rdf:Description>
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  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP410"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_debugger.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
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  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP42"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-noline/duktape.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP243">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP244"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
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  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright
 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP152"/>
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  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP132"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/eval/README.rst</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
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  <_3:checksumValue>62a4483b185b620431e13ddb2b18555baa344937</_3:checksumValue>
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  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP28"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./AUTHORS.rst</_3:fileName>
   <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
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  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP260"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_regexp.h</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP287">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
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<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
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</rdf:Description>
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<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>

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<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
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<_3:checksum rdf:nodeID="svBMzJkP200"/>
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<_3:fileName>./src-separate/duk_bi_error.c</_3:fileName>
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<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
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<_3:checksum rdf:nodeID="svBMzJkP60"/>
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<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
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<_3:checksum rdf:nodeID="svBMzJkP10"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./duk_build_meta.json</_3:fileName>
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<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
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<_3:checksum rdf:nodeID="svBMzJkP432"/>
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<_3:fileName>./src-separate/duk_util_hashbytes.c</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
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<_3:checksumValue>206ffd13c06208e85baba2b257fe3ddebb56a6c2</_3:checksumValue>

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  <_3:checksumValue>73ff75213f392b6125c68ab6b430176dfad71269</_3:checksumValue>
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  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP452"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./polyfills/duktape-error-setter-nonwritable.js</_3:fileName>
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  <_3:checksumValue>ff17cbc9cb84b86f83bb104a247e5c265a9fe5b5</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
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  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
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 <rdf:Description rdf:nodeID="svBMzJkP5">
  <_3:packageVerificationCodeExcludedFile>./license.spdx</_3:packageVerificationCodeExcludedFile>
<_3:packageVerificationCodeValue>a60d2f27825f0294858de60a5ef8f35433967a27</_3:packageVerificationCode
Value>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP67">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
   <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
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  <_3:checksum rdf:nodeID="svBMzJkP68"/>
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  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
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 <rdf:Description rdf:nodeID="svBMzJkP329">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP330"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_hcompiledfunction.h</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
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  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
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  <_3:fileName>./src-separate/duk_util_misc.c</_3:fileName>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
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 <rdf:Description rdf:nodeID="svBMzJkP386">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
   <_3:checksumValue>6fdfe8f7b5fc3226d83f0246079f76b33d4bcb9b</_3:checksumValue>
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 </rdf:Description>
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  <_3:checksumValue>b381ea15009eb8140c0789203345cdcc2c6c1cd6</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP400">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>6c4bfae55df6a1fef08fd758e32bf465316cab9a</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
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 <rdf:Description rdf:nodeID="svBMzJkP276">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>734560a1ac6155f124000b5a93569aae99149b6c</_3:checksumValue>
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  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP266"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_bi_string.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP426">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>64edd8d85b88c69b5c2c686b85f19b350bef7880</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP182">

  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
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  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
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  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP252"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_lexer.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
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  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
   <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP430"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_api_stack.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP224">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>fbe432d33d4ef75f30fa2d87f4f1a83f78b4811b</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
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 </rdf:Description>
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   <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
   <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
   <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
    <_3:checksum rdf:nodeID="svBMzJkP178"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
   <_3:fileName>./examples/debug-trans-dvalue/duk_trans_dvalue.h</_3:fileName>
   <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
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   <_3:checksumValue>bc9d119b5e66085e7e4219685fd351fb3f68d800</_3:checksumValue>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
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   <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
   <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
   <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
   <_3:checksum rdf:nodeID="svBMzJkP246"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
    <_3:fileName>./src-separate/duk_unicode.h</_3:fileName>
   <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
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   <_3:checksumValue>3da07a99a4ed68844140352133867b2857fab685</_3:checksumValue>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP475">
   <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
   <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
   <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
   <_3:checksum rdf:nodeID="svBMzJkP476"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
   <_3:fileName>./config/genconfig_metadata.tar.gz</_3:fileName>
   <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
  </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP343">
   <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
   <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
   <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
   <_3:checksum rdf:nodeID="svBMzJkP344"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
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  <_3:fileName>./src-separate/duk_api_memory.c</_3:fileName>
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 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP377">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP378"/>
  <rdf:type
 rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_hobject.h</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP454">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>4392fa63e6e9174ec09ef2e3a4e4e3bd03e94126</_3:checksumValue>
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 </rdf:Description>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>9b95f60e95f7da3773bdac1d2a436b3c5a662ab1</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>6985052d270ff2a00543b641115b946fc91ebf3a</_3:checksumValue>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>f9072f5c361c86887b57ce662b3cd7211b4ce346</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP190">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>5d593ae6316ed7a3ea6e7ed0a47267745d79d12d</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP88">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>ddbc206357dd4b97f3630b87bfdac148a5e8b190</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description
 rdf:nodeID="svBMzJkP257">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
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<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP258"/>
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<_3:fileName>./src-separate/duk_hbuffer_alloc.c</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP43">
<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP44"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>

<_3:fileName>./src-noline/duktape.h</_3:fileName>
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<_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP52"/>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
<_3:fileName>./debugger/README.rst</_3:fileName>
<_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
</rdf:Description>
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<_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
<_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
<_3:checksum rdf:nodeID="svBMzJkP74"/>
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<_3:fileName>./examples/README.rst</_3:fileName>
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</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP404">
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</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP102">
<_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
<_3:checksumValue>5f89525f75f61dd8c89e010cb62bc071d6d13170</_3:checksumValue>
<rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>

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<rdf:Description rdf:nodeID="svBMzJkP268">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
   <_3:checksumValue>4396fb38f8a42bfc90ef1bc7c11c402074367343</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP238">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>ab29fe562681a0e6785515ef284fc51a20f0f7b5</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP304">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>ebaa68746ec59e01ef742f68aab11e053f882f63</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP387">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016
Duktape authors (see AUTHORS.rst in the Duktape distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP388"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_util_bitencoder.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP28">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>8ddbeb97a1a5acc3bed35f4df60e3aa1f4267380</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
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<rdf:Description rdf:nodeID="svBMzJkP97">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP98"/>
   <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/jxpretty/README.rst</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP167">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP168"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/cmdline/README.rst</_3:fileName>
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  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP221">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>

  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP222"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_error.h</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP193">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP194"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/alloc-logging/log2gnuplot.py</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP77">
   <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP78"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/coffee/hello.coffee</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
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 <rdf:Description rdf:nodeID="svBMzJkP458">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>0125ebcabe62cef4923e75527d3128e8c48cdf1f</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP437">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
   <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP438"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_bi_number.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
```

```
<rdf:Description rdf:nodeID="svBMzJkP230">
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  <_3:checksumValue>c1685717742f3e9af9c901796a8bb5a08950461f</_3:checksumValue>
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</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP244">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>e172079513ed0c12550285bcbc4d6bfc83985676</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>

</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP173">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP174"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/debug-trans-socket/duk_trans_socket.h</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP352">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>52b4480b68f7f8bf93543d3bb795cdc5ade66fba</_3:checksumValue>
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</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP464">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
   <_3:checksumValue>93573df8348a41adb790f59e39bf99d9a7bf3a3d</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP145">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP146"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/guide/fib.js</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP256">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>127e52c8b193d777811c25ceaab2c97c26a2bdab</_3:checksumValue>
  <rdf:type
rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
</rdf:Description>
<rdf:Description rdf:nodeID="svBMzJkP136">
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  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP346">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>02741b89fd8d8df210223a3da3a200d0f609d803</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP239">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum
 rdf:nodeID="svBMzJkP240"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_hobject_finalizer.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP16">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>44c9219558aba26dc69982a9f432028290707c36</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
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  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
distributable)</_3:copyrightText>
  <_3:checksum rdf:nodeID="svBMzJkP86"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/alloc-hybrid/README.rst</_3:fileName>
   <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP372">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>1289ac12dfcacbe472caea1333de3fbe70a5662c</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP100">
  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>3d700df1f765c39fc63bfd4e31a9d7da8d15c543</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP121">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
```

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  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst
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  <_3:checksum rdf:nodeID="svBMzJkP122"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/eventloop/poll.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>e5a5f0db067ec56c6d2f7356f412222a8884dc92</_3:checksumValue>
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 </rdf:Description>
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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>46f70bf98738ea7c9e5b353490d3e8815c610aa6</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP201">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
   <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
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  <_3:checksum rdf:nodeID="svBMzJkP202"/>
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  <_3:fileName>./src-separate/duk_error_throw.c</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP181">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
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  <_3:checksum rdf:nodeID="svBMzJkP182"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/debug-trans-dvalue/Makefile</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
  </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP361">
  <_3:licenseConcluded rdf:resource="http://spdx.org/licenses/MIT"/>
  <_3:licenseInfoInFile rdf:resource="http://spdx.org/rdf/terms#none"/>
  <_3:copyrightText>Copyright 2013-2016 Duktape authors (see AUTHORS.rst in the Duktape
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  <_3:checksum rdf:nodeID="svBMzJkP362"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./src-separate/duk_config.h</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_source"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP168">
```

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  <_3:algorithm rdf:resource="http://spdx.org/rdf/terms#checksumAlgorithm_sha1"/>
  <_3:checksumValue>58c701ade28ee5a475dede84a6e771893e3fc40f</_3:checksumValue>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#Checksum"/>
 </rdf:Description>
 <rdf:Description rdf:nodeID="svBMzJkP153">
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  <_3:checksum rdf:nodeID="svBMzJkP154"/>
  <rdf:type rdf:resource="http://spdx.org/rdf/terms#File"/>
  <_3:fileName>./examples/alloc-torture/README.rst</_3:fileName>
  <_3:fileType rdf:resource="http://spdx.org/rdf/terms#fileType_other"/>
 </rdf:Description>
</rdf:RDF>
```


1.8201 boost 1.83.0-2.1ubuntu3.1

1.8201.1 Available under license :

```
HOW TO GENERATE THE COPYRIGHT FILE
----------------------------------

The debian/copyright file for Boost is very complicated, because the
library has accumulated a huge number of files and contributors over
the years. It would be intractable to fill it by hand, and FTP masters
do not like the previous choice to just generically indicate the Boost
Software License and see each individual file for the differences.

Fortunately Boost itself already contains a small program, called bcp,
that searches for common regular expressions in each file to find the
file's license and copyright holders. The program has some
deficiencies, but is overall a good foundation to automatically
generate a debian/copyright file.

A patched fork of the bcp program is maintained by Giovanni Mascellani
in the repository [1].

[1] https://salsa.debian.org/gio/boost-copyright

It can be compiled with qmake and make. Then you change dir to where
you have unpacked the Boost tarball and run something like:

  find
 -type f | grep -v ^./debian/ | grep -v ^./.pc/ | bcp --report-debian --read-from-stdin debian/copyright
```

This will erase and regenerate the debian/copyright file. The
boost-copyright repository already contains a skeleton of the
copyright file (called manual_copyright), which is automatically
included at the beginning of the generated file.

Since bcp cannot identify the copyright status for each single file,
because some of them do not actually contain such information, the
manual_copyright file contains some blanket stanzas for the main Boost
directories, so that the copyright for each not better identified file
is (reasonably) assigned to the people responsible for that
subdirectory. The subdirectories loosely correspond to the individual
Boost libraries. Also, a public domain dedication is presumed for the
few and very simple files that are neither recognized by the program,
neither contained in one of the well-known subdirectories.

The script generator.py, in the boost-copyright
repository, can be
used to manually regenerate most of manual_copyright based on the
meta/repositories.json files available in the Boost
distribution. However it is recommended to carefully check its output,
because there will be some inaccuracies.
Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: Boost
Upstream-Contact: https://www.boost.org/
Files-Excluded:
*.o
*.js
*.pdf
*.rc
*.chm
*.mcp
*.vcproj
*.vcxproj
*.vcxproj.filters
*.vsprops
*.TTF
*.sln
*.w
*.sty
*.tex
*.patch
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*.odp
*.xls
*.xlsx
*.ppt
*.pptx
*.resx

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*.suo
*.cd
*.csproj
*.bmp
*.r
*.html
*.htm
*.vpp
.drone
*/resource.h
*/.gitignore
*/.gitattributes
*/.gitmodules
*/boost-no-inspect
tools/build/src/engine/debian/*
libs/outcome/doc/src/themes/boostdoc/*
libs/json/bench/data/update-center.json
doc/images/valid-html401.png
libs/python/.ci/install.ps1
tools/build/doc/src/hljs/styles/github.min.css
libs/qvm/doc/zajo-*.css
libs/config/configure
tools/build/src/engine/jamgram.cpp
tools/build/src/engine/jamgram.hpp
libs/python/include/boost/python/detail/python22_fixed.h
libs/json/bench/data/gsoc-2018.json.h
/zlib-1.2.11/
/bzip2-1.0.8/

Files: *
Copyright: Boost project contributors
License:
 BSL-1.0
Comment:
For a few files it is difficult or impossible to establish an actual
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protection is not obvious. Most probably all such files can safely be
considered under the Boost Software License.

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libs/wave/test/testwave/testfiles/t_7_005.cpp
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libs/metaparse/tools/benchmark/include/benchmark_util.hpp
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Files:
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Files:
libs/core/doc/ignore_unused.qbk
libs/core/include/boost/core/ignore_unused.hpp
libs/core/test/ignore_unused_test.cpp
libs/geometry/index/example/serialize.cpp
libs/geometry/index/example/benchmark_experimental.cpp
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libs/mpl/include/boost/mpl/aux_/preprocessed/msvc70/arg.hpp
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libs/mpl/include/boost/mpl/aux_/preprocessed/mwcw/arg.hpp
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libs/mpl/include/boost/mpl/aux_/preprocessed/bcc_pre590/bind.hpp
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libs/mpl/include/boost/mpl/aux_/preprocessed/no_ttp/arg.hpp
libs/mpl/include/boost/mpl/aux_/preprocessed/no_ttp/basic_bind.hpp

libs/mpl/include/boost/mpl/aux_/type_wrapper.hpp
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libs/serialization/test/multi_shared2.cpp
libs/serialization/test/test_multi_shared_lib.cpp
libs/serialization/test/test_singleton_inherited.cpp
libs/serialization/test/test_singleton_plain.cpp
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libs/locale/examples/CMakeLists.txt
libs/locale/doc/Jamfile.v2
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libs/locale/test/cmake_test/CMakeLists.txt
libs/locale/test/cmake_test/main.cpp
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libs/nowide/config/check_lfs_support.cpp
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libs/nowide/include/boost/nowide/detail/is_string_container.hpp

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libs/nowide/test/test_stat.cpp
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libs/nowide/test/test_ifstream.cpp
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libs/nowide/test/benchmark_fstream.cpp
libs/nowide/test/test_fs.cpp

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libs/type_traits/test/promote_enum_msvc_bug_test.cpp
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libs/lexical_cast/include/boost/lexical_cast/detail/converter_lexical_streams.hpp
libs/lexical_cast/include/boost/lexical_cast/detail/inf_nan.hpp
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libs/scope_exit/example/Jamfile.v2
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libs/scope_exit/doc/Jamfile.v2
libs/scope_exit/include/boost/scope_exit.hpp
libs/scope_exit/test/native_tu_test.cpp
libs/scope_exit/test/world_checkpoint_seq.cpp
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libs/algorithm/doc/is_palindrome.qbk
libs/algorithm/doc/is_partitioned_until.qbk
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libs/statechart/example/Camera/Shooting.hpp
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libs/statechart/example/PingPong/PingPong.cpp
libs/statechart/example/PingPong/Player.cpp
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libs/statechart/test/InvalidChartTest2.cpp
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libs/gil/include/boost/gil/extension/io/jpeg/detail/scanline_read.hpp
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libs/gil/include/boost/gil/extension/io/png/tags.hpp
libs/gil/include/boost/gil/extension/io/tiff/detail/supported_types.hpp
libs/gil/include/boost/gil/extension/io/tiff/tags.hpp
libs/gil/include/boost/gil/io/base.hpp
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libs/log/doc/extension.qbk
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libs/log/include/boost/log/attributes/value_extraction_fwd.hpp
libs/log/include/boost/log/attributes/attribute_name.hpp
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libs/log/include/boost/log/attributes/time_traits.hpp
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libs/atomic/include/boost/atomic/detail/caps_arch_gcc_alpha.hpp
libs/atomic/include/boost/atomic/detail/core_arch_ops_gcc_x86.hpp
libs/atomic/include/boost/atomic/detail/caps_arch_msvc_arm.hpp
libs/atomic/include/boost/atomic/detail/caps_arch_gcc_ppc.hpp
libs/atomic/include/boost/atomic/detail/storage_traits.hpp
libs/atomic/include/boost/atomic/detail/caps_arch_gcc_sparc.hpp
libs/atomic/include/boost/atomic/detail/bitwise_cast.hpp
libs/atomic/include/boost/atomic/fences.hpp
libs/atomic/include/boost/atomic/atomic.hpp
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libs/log/include/boost/log/sinks/text_ipc_message_queue_backend.hpp
libs/log/include/boost/log/utility/ipc/reliable_message_queue.hpp
libs/log/include/boost/log/utility/permissions.hpp
libs/log/test/run/util_ipc_reliable_mq.cpp
libs/log/test/run/sink_text_ipc_mq_backend.cpp
libs/log/src/windows/ipc_reliable_message_queue.cpp
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libs/detail/CMakeLists.txt
libs/core/doc/demangle.qbk
libs/core/include/boost/core/demangle.hpp
libs/core/test/demangle_test.cpp
libs/smart_ptr/doc/smart_ptr/intrusive_ref_counter.adoc
libs/atomic/include/boost/memory_order.hpp
libs/atomic/appveyor.yml
libs/filesystem/appveyor.yml
libs/winapi/CMakeLists.txt
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libs/thread/include/boost/thread/pthread/once_atomic.hpp
libs/thread/src/pthread/once_atomic.cpp
libs/winapi/include/boost/winapi/semaphore.hpp
libs/winapi/include/boost/winapi/security.hpp
libs/winapi/include/boost/winapi/directory_management.hpp
libs/winapi/include/boost/winapi/get_current_thread_id.hpp
libs/winapi/include/boost/winapi/memory.hpp
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libs/winapi/include/boost/winapi/heap_memory.hpp
libs/winapi/include/boost/winapi/local_memory.hpp
libs/winapi/include/boost/winapi/critical_section.hpp
libs/winapi/include/boost/winapi/handles.hpp
libs/winapi/include/boost/winapi/basic_types.hpp
libs/winapi/include/boost/winapi/synchronization.hpp
libs/winapi/include/boost/winapi/thread.hpp
libs/winapi/include/boost/winapi/event.hpp
libs/winapi/include/boost/winapi/condition_variable.hpp
libs/winapi/include/boost/winapi/get_current_process.hpp
libs/winapi/include/boost/winapi/srw_lock.hpp
libs/winapi/include/boost/winapi/init_once.hpp
libs/winapi/include/boost/winapi/get_current_thread.hpp
libs/winapi/include/boost/winapi/apc.hpp
libs/winapi/include/boost/winapi/timers.hpp
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libs/polygon/example/voronoi_advanced_tutorial.cpp
libs/polygon/example/voronoi_visualizer.cpp
libs/polygon/example/voronoi_basic_tutorial.cpp
libs/polygon/example/voronoi_visual_utils.hpp
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libs/polygon/include/boost/polygon/detail/voronoi_robust_fpt.hpp
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libs/polygon/include/boost/polygon/voronoi.hpp
libs/polygon/include/boost/polygon/voronoi_builder.hpp
libs/polygon/test/voronoi_structures_test.cpp
libs/polygon/test/polygon_90_data_test.cpp
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libs/polygon/test/voronoi_predicates_test.cpp
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libs/polygon/test/polygon_rectangle_formation_test.cpp
libs/polygon/test/polygon_segment_test.cpp
libs/polygon/test/voronoi_test_helper.hpp
libs/polygon/test/polygon_set_data_test.cpp
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libs/polygon/include/boost/polygon/segment_concept.hpp
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libs/config/test/boost_no_cxx11_defaulted_moves.ipp
libs/config/test/boost_no_cxx11_ref_qualifiers.ipp
libs/optional/doc/91_relnotes.qbk
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libs/optional/include/boost/optional/detail/optional_hash.hpp
libs/optional/include/boost/optional/detail/optional_trivially_copyable_base.hpp
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libs/optional/test/optional_test_member_T.cpp
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libs/optional/test/optional_test_equals_none.cpp
libs/optional/test/optional_test_ref_assign_mutable_int.cpp
libs/optional/test/optional_test_ref_convert_assign_const_int.cpp
libs/optional/test/optional_xconfig_NO_PROPER_CONVERT_FROM_CONST_INT_pass.cpp
libs/optional/test/optional_test_experimental_traits.cpp
libs/optional/test/optional_test_emplace.cpp
libs/optional/test/optional_test_fail_io_without_io.cpp
libs/optional/test/optional_xconfig_NO_PROPER_CONVERT_FROM_CONST_INT_fail.cpp
libs/optional/test/optional_test_ref_to_val.cpp
libs/optional/test/optional_test_ref_portable_minimum.cpp
libs/optional/test/optional_test_tc_base.cpp
libs/optional/test/optional_test_old_impl.cpp
libs/optional/test/optional_test_ref_fail_assign_from_Trefref.cpp
libs/optional/test/optional_test_ref_assign_const_int.cpp
libs/optional/test/optional_xconfig_NO_LEGAL_CONVERT_FROM_REF_fail.cpp
libs/optional/test/testable_classes.hpp
libs/optional/test/optional_ref_assign_test_defs.hpp
libs/optional/test/optional_test_map.cpp
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libs/optional/test/optional_test_ref_move.cpp
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libs/optional/test/optional_test_sfinae_friendly_ctor.cpp
libs/optional/test/optional_xconfig_NO_PROPER_ASSIGN_FROM_CONST_INT_fail.cpp
libs/optional/test/optional_test_static_properties.cpp
libs/optional/test/optional_test_fail_optional_rvalue_ref.cpp
libs/optional/test/optional_test_fail_implicit_bool_convert.cpp
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libs/optional/test/optional_test_ref_convert_assign_non_int.cpp
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libs/optional/test/optional_test_hash.cpp
libs/optional/test/optional_xconfig_NO_PROPER_ASSIGN_FROM_CONST_INT_pass.cpp
libs/optional/test/optional_test_ref_fail_init_from_Trefref.cpp
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libs/optional/test/optional_test_ref_convert_assign_mutable_int.cpp
libs/optional/test/optional_xconfig_HACK_TO_LIST_PREDEFINED_MACROS.cpp
libs/optional/test/optional_test_ref_assign_portable_minimum.cpp
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libs/optional/test/optional_test_fail_convert_from_null.cpp
libs/optional/test/optional_test_ref_convert_assign_const_int_prevented.cpp
libs/optional/test/optional_test_assign.cpp
libs/optional/test/optional_test_move.cpp
libs/optional/test/optional_test_ref_fail_init_from_Urefref.cpp
libs/optional/test/optional_test_minimum_requirements.cpp
libs/optional/test/optional_test_empty_braces.cpp
libs/optional/test/optional_test_value_access.cpp
libs/optional/test/optional_test_make_optional.cpp
libs/optional/test/optional_test_convert_assign.cpp
libs/test/doc/examples/example81_contexts.run-fail.cpp
libs/test/doc/examples/decorator_12.run.cpp
libs/test/doc/examples/decorator_05.run-fail.cpp
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libs/test/doc/examples/decorator_06.run-fail.cpp
libs/test/doc/examples/decorator_10.run-fail.cpp
libs/test/doc/examples/decorator_13.run-fail.cpp
libs/test/doc/examples/decorator_02.run.cpp
libs/test/doc/examples/decorator_01.run.cpp
libs/test/doc/examples/decorator_07.run-fail.cpp
libs/test/doc/examples/decorator_09.run.cpp
libs/test/doc/examples/fixture_02.run.cpp
libs/test/doc/examples/decorator_00.run.cpp
libs/test/doc/examples/custom_init.run-fail.cpp
libs/test/doc/examples/custom_main.run-fail.cpp
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libs/test/doc/examples/decorator_20.run-fail.cpp
libs/test/doc/examples/custom_obsolete_init.run-fail.cpp
libs/test/doc/examples/decorator_08.run-fail.cpp
libs/test/doc/examples/decorator_03.run.cpp
libs/test/doc/examples/example82_contexts.run-fail.cpp
libs/test/doc/examples/fixture_03.run.cpp
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libs/optional/doc/22_ref_bad_optional_access.qbk
libs/optional/doc/10_motivation.qbk
libs/optional/doc/01_quick_start.qbk
libs/optional/include/boost/optional/detail/optional_aligned_storage.hpp
libs/optional/include/boost/optional/detail/optional_config.hpp
libs/optional/include/boost/optional/detail/old_optional_implementation.hpp
libs/optional/include/boost/optional/detail/optional_factory_support.hpp
libs/optional/include/boost/optional/detail/optional_relops.hpp
libs/optional/include/boost/optional/detail/optional_swap.hpp
libs/optional/include/boost/optional/optional.hpp
libs/optional/include/boost/optional/optional_fwd.hpp
libs/optional/include/boost/none.hpp
libs/optional/include/boost/none_t.hpp
libs/optional/test/optional_test_inplace_fail2.cpp
libs/optional/test/optional_test_common.hpp
libs/optional/test/optional_test_tie.cpp
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libs/uuid/include/boost/uuid/detail/uuid_generic.ipp
libs/uuid/include/boost/uuid/detail/sha1.hpp
libs/uuid/include/boost/uuid/string_generator.hpp
libs/uuid/include/boost/uuid/uuid_io.hpp
libs/uuid/include/boost/uuid/uuid.hpp
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libs/uuid/test/test_uuid_no_simd.cpp
libs/uuid/test/test_wserialization.cpp
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libs/uuid/test/test_name_generator.cpp
libs/uuid/test/test_uuid.cpp
libs/uuid/test/test_nil_generator.cpp
libs/uuid/test/test_generators.cpp
libs/uuid/test/test_io.cpp
libs/uuid/test/test_include2.cpp
libs/uuid/test/test_include1.cpp
libs/uuid/test/test_string_generator.cpp
libs/uuid/test/test_random_generator.cpp
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libs/uuid/include/boost/uuid/random_generator.hpp
libs/uuid/include/boost/uuid/basic_name_generator.hpp
libs/uuid/include/boost/uuid/name_generator_sha1.hpp
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libs/phoenix/test/container/container_tests1a.cpp
libs/phoenix/test/container/container_tests4a.cpp
libs/phoenix/test/container/container_tests6a.cpp
libs/phoenix/test/container/container_tests5a.cpp
libs/phoenix/test/container/container_tests3a.cpp
libs/phoenix/test/container/container_tests4b.cpp
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libs/phoenix/test/container/container_tests5b.cpp
libs/phoenix/test/container/container_tests2a.cpp
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libs/phoenix/test/container/container_tests12a.cpp
libs/phoenix/test/container/container_tests7a.cpp
libs/phoenix/test/container/container_tests10a.cpp
libs/phoenix/test/container/container_tests8b.cpp
libs/phoenix/test/container/container_tests.hpp
libs/phoenix/test/container/container_tests10b.cpp
libs/phoenix/test/container/container_tests11a.cpp
libs/phoenix/test/container/container_tests9a.cpp
libs/phoenix/test/container/container_tests11b.cpp
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libs/python/test/numpy/templates.py
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libs/python/test/numpy/ndarray.py
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libs/fiber/test/test_promise_dispatch.cpp
libs/fiber/test/test_packaged_task_dispatch.cpp
libs/fiber/test/test_packaged_task_post.cpp
libs/fiber/test/test_future_mt_dispatch.cpp
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libs/variant/include/boost/variant/detail/config.hpp
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libs/variant/doc/tutorial/advanced.xml
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libs/variant/include/boost/variant/variant_fwd.hpp
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libs/type_traits/doc/has_trivial_move_assign.qbk
libs/type_traits/doc/is_copy_constructible.qbk
libs/type_traits/doc/is_nothrow_move_assignable.qbk
libs/type_traits/test/is_nothrow_move_constructible_test.cpp
libs/type_traits/test/is_nothrow_move_assignable_test.cpp
libs/type_traits/test/is_copy_constructible_test.cpp
libs/type_traits/test/has_trivial_move_constructor_test.cpp
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libs/dll/include/boost/dll/import_class.hpp
libs/dll/include/boost/dll/smart_library.hpp
libs/dll/test/cpp_test_library.cpp
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libs/dll/example/tutorial8/tutorial8_static.cpp

libs/dll/example/tutorial8/refcounting_api.hpp
libs/dll/example/tutorial8/tutorial8.cpp
libs/dll/example/tutorial8/refcounting_plugin.hpp
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libs/dll/example/tutorial5/load_all.cpp
libs/dll/example/getting_started.cpp
libs/dll/example/tutorial6/on_unload_lib.cpp
libs/dll/example/tutorial6/tutorial6.cpp
libs/dll/example/tutorial2/my_plugin_aggregator.cpp
libs/dll/example/tutorial2/tutorial2.cpp
libs/dll/example/tutorial4/static_plugin.cpp
libs/dll/example/tutorial4/load_self.cpp
libs/dll/example/tutorial4/static_plugin.hpp
libs/dll/example/tutorial1/tutorial1.cpp
libs/dll/example/tutorial1/my_plugin_sum.cpp
libs/dll/example/tutorial3/tutorial3.cpp
libs/dll/example/getting_started_library.cpp
libs/dll/example/b2_workarounds.hpp
libs/dll/example/tutorial7/library2.cpp
libs/dll/example/tutorial7/tutorial7.cpp
libs/dll/example/tutorial7/library1.cpp
libs/dll/doc/revisionhistory.qbk
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libs/dll/include/boost/dll/library_info.hpp
libs/dll/include/boost/dll/detail/aggressive_ptr_cast.hpp
libs/dll/include/boost/dll/detail/macho_info.hpp
libs/dll/include/boost/dll/detail/elf_info.hpp
libs/dll/include/boost/dll/detail/windows/shared_library_impl.hpp
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libs/dll/include/boost/dll/detail/pe_info.hpp
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libs/dll/include/boost/dll/detail/posix/program_location_impl.hpp
libs/dll/include/boost/dll/runtime_symbol_info.hpp
libs/dll/include/boost/dll/alias.hpp
libs/dll/include/boost/dll/shared_library.hpp
libs/dll/include/boost/dll/import.hpp
libs/dll/include/boost/dll/shared_library_load_mode.hpp
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libs/dll/test/structures_tests.cpp
libs/dll/test/shared_library_errors.cpp
libs/dll/test/symbol_runtime_info_test.cpp
libs/dll/test/section_name_too_big.cpp
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libs/dll/test/shared_library_search_symbol_test.cpp
libs/dll/test/library_info_test.cpp
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libs/typeof/include/boost/typeof/encode_decode.hpp
libs/typeof/include/boost/typeof/integral_template_param.hpp
libs/typeof/include/boost/typeof/message.hpp
libs/typeof/include/boost/typeof/encode_decode_params.hpp
libs/typeof/include/boost/typeof/type_template_param.hpp
libs/typeof/include/boost/typeof/register_functions.hpp
libs/typeof/include/boost/typeof/pointers_data_members.hpp
libs/typeof/include/boost/typeof/register_functions_iterate.hpp
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libs/typeof/include/boost/typeof/modifiers.hpp
libs/typeof/test/function_ptr_from_tpl.cpp
libs/typeof/test/odr.hpp
libs/typeof/test/odr2.cpp
libs/typeof/test/noncopyable.cpp
libs/typeof/test/function.cpp
libs/typeof/test/type.cpp
libs/typeof/test/function_ptr.cpp
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libs/typeof/test/data_member.cpp
libs/typeof/test/template_dependent.cpp
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libs/typeof/test/odr1.cpp
libs/typeof/test/function_binding.cpp
libs/typeof/test/template_tpl.cpp
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libs/typeof/include/boost/typeof/template_encoding.hpp
libs/typeof/include/boost/typeof/template_template_param.hpp
libs/typeof/include/boost/typeof/vector100.hpp
libs/typeof/include/boost/typeof/vector200.hpp
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libs/typeof/include/boost/typeof/std/istream.hpp
libs/typeof/test/odr_no_uns1.hpp
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libs/locale/examples/collate.cpp
libs/locale/examples/calendar.cpp
libs/locale/examples/whello.cpp
libs/locale/examples/hello.cpp
libs/locale/examples/performance/perf_format.cpp
libs/locale/examples/performance/perf_collate.cpp
libs/locale/examples/performance/perf_convert.cpp
libs/locale/doc/gendoc.sh
libs/locale/include/boost/locale/info.hpp
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libs/locale/include/boost/locale/localization_backend.hpp
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libs/locale/include/boost/locale.hpp
libs/locale/build/has_iconv.cpp
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libs/locale/build/option.cpp

libs/locale/test/test_posix_formatting.cpp
libs/locale/test/test_locale.hpp
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libs/locale/test/test_convert.cpp
libs/locale/test/test_ios_prop.cpp
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libs/locale/src/boost/locale/icu/conversion.cpp
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libs/locale/src/boost/locale/util/locale_data.hpp
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libs/locale/src/boost/locale/shared/mo_lambda.hpp
libs/locale/src/boost/locale/encoding/codepage.cpp
libs/locale/src/boost/locale/encoding/wconv_codepage.ipp
libs/locale/src/boost/locale/encoding/iconv_codepage.ipp
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libs/locale/src/boost/locale/std/std_backend.cpp
libs/locale/src/boost/locale/std/collate.cpp
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libs/locale/src/boost/locale/std/codecvt.cpp
libs/locale/src/boost/locale/std/all_generator.hpp
libs/locale/src/boost/locale/std/numeric.cpp
libs/locale/src/boost/locale/win32/converter.cpp
libs/locale/src/boost/locale/win32/collate.cpp
libs/locale/src/boost/locale/win32/api.hpp
libs/locale/src/boost/locale/win32/win_backend.cpp
libs/locale/src/boost/locale/win32/win_backend.hpp
libs/locale/src/boost/locale/win32/all_generator.hpp
libs/locale/src/boost/locale/win32/lcid.hpp
libs/locale/src/boost/locale/win32/numeric.cpp
libs/locale/src/boost/locale/win32/lcid.cpp

libs/nowide/doc/gendoc.sh
libs/nowide/include/boost/nowide/replacement.hpp
libs/nowide/include/boost/nowide/stackstring.hpp
libs/nowide/include/boost/nowide/args.hpp
libs/nowide/include/boost/nowide/cstdlib.hpp
libs/nowide/include/boost/nowide/filesystem.hpp
libs/nowide/include/boost/nowide/fstream.hpp
libs/nowide/test/test_system.cpp
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Files:
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libs/geometry/example/with_external_libs/x01_qt_example.cpp
libs/geometry/example/with_external_libs/x03_a_soci_example.cpp
libs/geometry/example/with_external_libs/x04_wxwidgets_world_mapper.cpp
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libs/geometry/example/with_external_libs/x06_qt_world_mapper.cpp
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libs/geometry/doc/reference/algorithms/difference_inserter.qbk
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libs/geometry/doc/reference/core/interior_type.qbk
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libs/geometry/include/boost/geometry/geometries/infinite_line.hpp
libs/geometry/include/boost/geometry/arithmetic/infinite_line_functions.hpp
libs/geometry/test/strategies/buffer_join.cpp
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libs/geometry/test/concepts/linestring_concept.cpp
libs/geometry/test/algorithms/disjoint/disjoint_multi.cpp
libs/geometry/test/algorithms/envelope_expand/test_expand.hpp
libs/geometry/test/algorithms/correct_closure.cpp
libs/geometry/test/algorithms/unique_multi.cpp
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libs/geometry/test/algorithms/set_operations/difference/difference_multi_areal_linear.cpp
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libs/geometry/test/algorithms/set_operations/difference/difference_multi_spike.cpp
libs/geometry/test/algorithms/set_operations/alternative_robustness_strategy.hpp
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libs/geometry/test/algorithms/reverse.cpp
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libs/geometry/doc/src/docutils/tools/implementation_status/tmp/Jamfile
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libs/type_index/include/boost/type_index/runtime_cast/reference_cast.hpp
libs/type_index/include/boost/type_index/runtime_cast/std_shared_ptr_cast.hpp
libs/type_index/include/boost/type_index/runtime_cast/boost_shared_ptr_cast.hpp
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libs/spirit/test/support/regression_multi_pass_position_iterator.cpp
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libs/gil/test/extension/io/mandel_view.hpp
libs/gil/test/extension/io/tiff/tiff_tiled_minisblack_test_21-31_32-64.cpp
libs/gil/test/extension/io/tiff/tiff_tiled_palette_write_test_1-8.cpp
libs/gil/test/extension/io/tiff/tiff_tiled_float_test.cpp
libs/gil/test/extension/io/tiff/tiff_tiled_palette_test_8-16.cpp
libs/gil/test/extension/io/tiff/tiff_file_format_test.cpp
libs/gil/test/extension/io/tiff/tiff_tiled_rgb_contig_test_11-20.cpp

libs/gil/test/extension/io/tiff/tiff_subimage_test.cpp
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libs/gil/test/extension/io/tiff/tiff_tiled_rgb_planar_test_1-10.cpp
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libs/gil/test/extension/io/tiff/tiff_tiled_read_macros.hpp
libs/gil/test/extension/io/tiff/tiff_tiled_palette_write_test_8-16.cpp
libs/gil/test/extension/io/tiff/tiff_tiled_minisblack_write_test_1-10.cpp
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libs/multiprecision/test/test_cos.cpp
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libs/date_time/xmldoc/motivation.xml
libs/date_time/xmldoc/ex_simple_time_zone.xml
libs/date_time/xmldoc/date_time_io.xml
libs/date_time/xmldoc/date_class.xml
libs/date_time/xmldoc/ex_print_holidays.xml
libs/date_time/xmldoc/custom_time_zone.xml
libs/date_time/xmldoc/ex_find_last_day_of_months.xml
libs/date_time/xmldoc/local_time.xml
libs/date_time/xmldoc/posix_time_zone.xml
libs/date_time/xmldoc/time_iterators.xml
libs/date_time/xmldoc/time_zone_base.xml
libs/date_time/xmldoc/ex_end_of_month_day.xml
libs/date_time/xmldoc/ex_days_between_new_years.xml
libs/date_time/xmldoc/date_duration.xml
libs/date_time/xmldoc/README
libs/date_time/xmldoc/ptime_class.xml
libs/date_time/xmldoc/date_time_fo_stylesheet.xsl
libs/date_time/xmldoc/exclusive_date_time.xml
libs/date_time/xmldoc/ref_tag_fix.pl
libs/date_time/xmldoc/license.xml
libs/date_time/xmldoc/ex_print_month.xml
libs/date_time/xmldoc/ex_local_utc_conversion.xml
libs/date_time/xmldoc/gregorian.xml
libs/date_time/xmldoc/references.xml
libs/date_time/xmldoc/usage_examples.xml
libs/date_time/xmldoc/ex_dates_as_strings.xml
libs/date_time/xmldoc/local_time_period.xml
libs/date_time/xmldoc/table_template.xml
libs/date_time/xmldoc/local_date_time.xml
libs/date_time/xmldoc/tests.xml
libs/date_time/xmldoc/gregorian_calendar.xml
libs/date_time/xmldoc/date_algorithms.xml

libs/date_time/xmldoc/serialization.xml
libs/date_time/xmldoc/ex_print_hours.xml
libs/date_time/xmldoc/design_concepts.xml
libs/date_time/src/gregorian/greg_weekday.cpp
libs/date_time/src/gregorian/greg_month.cpp
libs/date_time/src/gregorian/date_generators.cpp
libs/date_time/src/gregorian/gregorian_types.cpp
libs/date_time/src/gregorian/greg_names.hpp
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libs/beast/include/boost/beast/core/detail/tuple.hpp
libs/beast/include/boost/beast/core/detail/impl/temporary_buffer.ipp
libs/beast/include/boost/beast/core/detail/temporary_buffer.hpp
libs/beast/test/beast/core/_detail_tuple.cpp
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libs/fusion/include/boost/fusion/adapted/adt/detail/adapt_base_attr_filler.hpp
libs/fusion/include/boost/fusion/adapted/struct/detail/adapt_is_tpl.hpp
libs/fusion/include/boost/fusion/adapted/struct/detail/adapt_base_assoc_attr_filler.hpp
libs/fusion/include/boost/fusion/adapted/struct/detail/adapt_base_attr_filler.hpp
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libs/fusion/test/compile_time/vector_iteration.cpp
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libs/fusion/test/sequence/deque_comparison.cpp
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libs/fusion/include/boost/fusion/container/deque/detail/keyed_element.hpp
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libs/fusion/include/boost/fusion/container/deque/detail/at_impl.hpp
libs/fusion/include/boost/fusion/container/deque/detail/begin_impl.hpp
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libs/fusion/include/boost/fusion/container/deque/detail/cpp03/deque_keyed_values.hpp
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libs/fusion/include/boost/fusion/container/deque/detail/cpp03/deque_fwd.hpp
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libs/fusion/include/boost/fusion/container/generation/detail/pp_deque_tie.hpp
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libs/fusion/include/boost/fusion/container/generation/detail/pp_make_deque.hpp
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libs/fusion/include/boost/fusion/adapted.hpp
libs/fusion/include/boost/fusion/support/detail/is_mpl_sequence.hpp
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libs/fusion/include/boost/fusion/sequence/intrinsic/value_at_key.hpp
libs/fusion/include/boost/fusion/sequence/intrinsic/swap.hpp
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libs/fusion/test/algorithm/zip_ignore.cpp
libs/fusion/test/algorithm/fold.cpp
libs/fusion/test/algorithm/all.cpp
libs/fusion/test/algorithm/transform.cpp
libs/fusion/test/algorithm/zip.cpp
libs/fusion/test/algorithm/zip2.cpp
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libs/fusion/test/algorithm/none.cpp
libs/fusion/test/algorithm/join.cpp
libs/fusion/test/sequence/zip_view.cpp
libs/fusion/test/sequence/map_tie.cpp
libs/fusion/test/sequence/zip_view_ignore.cpp
libs/fusion/test/sequence/adapt_assoc_struct.cpp
libs/fusion/test/sequence/zip_view2.cpp
libs/fusion/test/sequence/deque_iterator.cpp
libs/fusion/test/sequence/swap.cpp
libs/phoenix/test/algorithm/transformation3.cpp
libs/phoenix/test/algorithm/transformation1.cpp
libs/phoenix/test/algorithm/transformation2.cpp
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libs/phoenix/test/algorithm/for_each2.cpp
libs/phoenix/test/statement/exceptions.cpp
libs/phoenix/test/statement/bug5715.cpp
libs/phoenix/test/regression/bug7166.cpp
libs/phoenix/test/regression/bug7165.cpp
libs/phoenix/test/regression/bug5824.cpp
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libs/phoenix/doc/modules/scope.qbk
libs/phoenix/doc/modules/stl.qbk
libs/phoenix/doc/modules/operator.qbk
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libs/phoenix/doc/modules/function.qbk
libs/phoenix/doc/examples/adding.qbk
libs/phoenix/doc/examples/extending_actors.qbk
libs/phoenix/doc/examples/transforming.qbk
libs/phoenix/doc/organisation.qbk
libs/phoenix/doc/starter_kit.qbk
libs/phoenix/doc/preface.qbk
libs/phoenix/doc/actor.qbk
libs/phoenix/doc/introduction.qbk
libs/phoenix/doc/wrap_up.qbk
libs/phoenix/doc/examples.qbk
libs/phoenix/doc/what_s_new.qbk
libs/phoenix/doc/inside.qbk
libs/phoenix/doc/acknowledgment.qbk
libs/phoenix/doc/inside/expression.qbk
libs/phoenix/doc/inside/placeholder.qbk
libs/phoenix/doc/inside/actions.qbk
libs/phoenix/doc/inside/custom_terminal.qbk
libs/phoenix/doc/inside/actor.qbk
libs/phoenix/doc/inside/rules.qbk
libs/phoenix/doc/starter_kit/arguments.qbk
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libs/phoenix/doc/starter_kit/references.qbk
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libs/phoenix/doc/modules.qbk
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libs/spirit/classic/example/fundamental/more_calculators/calc_with_variables.cpp
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libs/spirit/include/boost/spirit/home/classic/iterator/fixed_size_queue.hpp
libs/spirit/include/boost/spirit/home/support/iterators/detail/lex_input_policy.hpp
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libs/parameter/include/boost/parameter/aux_/preprocessor/flatten.hpp
libs/parameter/include/boost/parameter/aux_/preprocessor/for_each.hpp
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libs/parameter/include/boost/parameter/aux_/use_default_tag.hpp
libs/parameter/include/boost/parameter/aux_/cast.hpp
libs/parameter/include/boost/parameter/aux_/as_lvalue.hpp
libs/parameter/include/boost/parameter/aux_/set.hpp
libs/parameter/include/boost/parameter/aux_/maybe.hpp
libs/parameter/include/boost/parameter/aux_/pp_impl/unwrap_predicate.hpp
libs/parameter/include/boost/parameter/aux_/name.hpp
libs/parameter/test/deduced_dependent_predicate.cpp
libs/parameter/test/deduced.cpp
libs/parameter/test/preprocessor.cpp
libs/parameter/test/optional_deduced_sfinae.cpp
libs/parameter/test/preprocessor_deduced.cpp
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libs/parameter/include/boost/parameter/deduced.hpp
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libs/parameter/include/boost/parameter/aux_/lambda_tag.hpp
libs/parameter/include/boost/parameter/aux_/parameter_requirements.hpp
libs/parameter/include/boost/parameter/aux_/is_maybe.hpp
libs/parameter/include/boost/parameter/aux_/void.hpp
libs/parameter/include/boost/parameter/aux_/yesno.hpp
libs/parameter/include/boost/parameter/aux_/use_default.hpp
libs/parameter/include/boost/parameter/aux_/pack/tag_keyword_arg_ref.hpp
libs/parameter/include/boost/parameter/aux_/pack/tag_type.hpp
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libs/parameter/include/boost/parameter/aux_/pack/tag_template_keyword_arg.hpp
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libs/parameter/include/boost/parameter/aux_/pack/insert_tagged.hpp
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libs/parameter/test/sfinae.cpp
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libs/phoenix/include/boost/phoenix/stl/algorithm/detail/is_std_map.hpp
libs/phoenix/include/boost/phoenix/stl/algorithm/detail/has_equal_range.hpp
libs/phoenix/include/boost/phoenix/stl/algorithm/detail/decay_array.hpp
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libs/phoenix/include/boost/phoenix/scope/detail/cpp03/preprocessed/lambda_20.hpp
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libs/phoenix/include/boost/phoenix/scope/detail/cpp03/preprocessed/lambda_10.hpp
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libs/integer/doc/gcd/math-gcd.qbk
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libs/integer/include/boost/integer/static_min_max.hpp
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libs/math/include/boost/math/common_factor.hpp

libs/io/include/boost/io/ios_state.hpp
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libs/iterator/example/node_iterator2.hpp
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libs/iterator/doc/GNUmakefile
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libs/parameter/include/boost/parameter/match.hpp
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libs/gil/include/boost/gil/image_processing/histogram_equalization.hpp
libs/gil/include/boost/gil/image_processing/histogram_matching.hpp
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libs/mpi/include/boost/mpi/collectives/all_reduce.hpp
libs/mpi/include/boost/mpi/operations.hpp
libs/mpi/src/python/py_exception.cpp
libs/mpi/src/python/documentation.cpp
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libs/vmd/test/test_identifier_equal.cxx

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libs/leaf/appveyor.yml
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libs/serialization/test/test_private_base.cpp
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libs/fusion/include/boost/fusion/algorithm/query/find_if.hpp
libs/fusion/include/boost/fusion/algorithm/query/find.hpp
libs/fusion/include/boost/fusion/view/single_view/single_view.hpp
libs/fusion/include/boost/fusion/view/single_view/detail/next_impl.hpp
libs/fusion/include/boost/fusion/view/single_view/detail/value_of_impl.hpp
libs/fusion/include/boost/fusion/view/single_view/detail/begin_impl.hpp
libs/fusion/include/boost/fusion/view/single_view/detail/deref_impl.hpp
libs/fusion/include/boost/fusion/view/single_view/detail/end_impl.hpp
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libs/fusion/include/boost/fusion/container/list/nil.hpp
libs/fusion/include/boost/fusion/container/list/cons_iterator.hpp

libs/fusion/include/boost/fusion/container/generation/make_cons.hpp
libs/fusion/test/algorithm/count.cpp
libs/fusion/test/algorithm/count_if.cpp
libs/fusion/test/algorithm/segmented_find_if.cpp
libs/fusion/test/algorithm/segmented_fold.cpp
libs/fusion/test/algorithm/segmented_find.cpp
libs/fusion/test/sequence/single_view.cpp
libs/fusion/test/sequence/segmented_iterator_range.cpp
libs/fusion/test/sequence/cons.cpp
libs/phoenix/include/boost/phoenix/statement/if.hpp
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libs/accumulators/test/skewness.cpp
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libs/units/include/boost/units/systems/information/prefixes.hpp
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libs/math/include/boost/math/special_functions/jacobi_theta.hpp
libs/math/include/boost/math/distributions/kolmogorov_smirnov.hpp
libs/math/test/test_kolmogorov_smirnov.cpp
libs/math/test/compile_test/sf_jacobi_theta_incl_test.cpp
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libs/math/test/jacobi_theta_small_tau.ipp
libs/math/test/jacobi_theta_data.ipp
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tools/build/example/qt/qt4/uic/main.cpp
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libs/utility/include/boost/utility/compare_pointees.hpp
libs/utility/test/value_init_test_fail1.cpp
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libs/spirit/repository/example/karma/calc2_ast_dump_sr.cpp
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libs/spirit/test/qi/expectd.cpp
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Files:
libs/smart_ptr/test/weak_from_raw_test.cpp
libs/smart_ptr/test/make_shared_perfect_forwarding_test.cpp
libs/smart_ptr/test/owner_less_test.cpp
libs/signals2/example/postconstructor_ex1.cpp
libs/signals2/example/postconstructor_ex2.cpp
libs/signals2/example/predestructor_example.cpp
libs/signals2/example/extended_slot.cpp
libs/signals2/doc/thread_safety.xml
libs/signals2/doc/snippet_extractor.cpp
libs/signals2/doc/reference/mutex.xml
libs/signals2/doc/reference/signal_type.xml
libs/signals2/doc/reference/dummy_mutex.xml
libs/signals2/doc/reference/shared_connection_block.xml
libs/signals2/doc/reference/signal_base.xml
libs/signals2/doc/reference/slot_base.xml
libs/signals2/doc/reference/deconstruct.xml
libs/signals2/doc/porting.xml
libs/signals2/doc/snippet-extractor.jam

libs/signals2/include/boost/signals2/shared_connection_block.hpp
libs/signals2/include/boost/signals2/signal_base.hpp
libs/signals2/include/boost/signals2/variadic_signal.hpp
libs/signals2/include/boost/signals2/connection.hpp
libs/signals2/include/boost/signals2/postconstructible.hpp
libs/signals2/include/boost/signals2/signal.hpp
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libs/signals2/include/boost/signals2/detail/null_output_iterator.hpp
libs/signals2/include/boost/signals2/detail/variadic_slot_invoker.hpp
libs/signals2/include/boost/signals2/detail/foreign_ptr.hpp
libs/signals2/include/boost/signals2/detail/signals_common_macros.hpp
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libs/signals2/include/boost/signals2/preprocessed_signal.hpp
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libs/signals2/include/boost/signals2.hpp
libs/signals2/test/deadlock_regression_test.cpp
libs/signals2/test/invocation_benchmark.cpp
libs/signals2/test/connection_test.cpp
libs/signals2/test/deconstruct_test.cpp
libs/signals2/test/slot_compile_test.cpp
libs/signals2/test/threading_models_test.cpp
libs/signals2/test/regression_test.cpp
libs/signals2/test/signal_type_test.cpp
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libs/signals2/example/doc_view.cpp
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libs/signals2/example/doc_view_acm_deconstruct.cpp
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Files:
libs/signals2/include/boost/signals2/detail/lwm_nop.hpp
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libs/signals2/include/boost/signals2/mutex.hpp
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libs/smart_ptr/include/boost/smart_ptr/enable_shared_from_raw.hpp
libs/smart_ptr/include/boost/smart_ptr/owner_less.hpp
libs/smart_ptr/test/shared_from_raw_test5.cpp
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libs/signals2/test/mutex_test.cpp
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libs/geometry/include/boost/geometry/srs/projections/impl/pj_gridinfo.hpp
libs/geometry/include/boost/geometry/srs/projections/impl/pj_apply_gridshift.hpp
libs/geometry/include/boost/geometry/srs/projections/impl/pj_transform.hpp
libs/geometry/include/boost/geometry/srs/projections/impl/pj_gridlist.hpp
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libs/predef/include/boost/predef/os/macos.h
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libs/predef/include/boost/predef/os.h
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libs/type_traits/doc/has_post_decrement.qbk
libs/type_traits/doc/operators.qbk
libs/type_traits/doc/has_unary_plus.qbk
libs/type_traits/doc/has_bit_and.qbk
libs/type_traits/doc/has_post_increment.qbk
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libs/type_traits/test/has_right_shift_test.cpp
libs/type_traits/test/has_unary_plus_test.cpp
libs/type_traits/test/has_modulus_assign_test.cpp

libs/type_traits/test/has_binary_operators.hpp
libs/type_traits/test/has_postfix_classes0_test.cpp
libs/type_traits/test/has_post_decrement_test.cpp
libs/type_traits/test/has_bit_and_test.cpp
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libs/type_traits/test/has_less_test.cpp
libs/type_traits/test/has_modulus_test.cpp
libs/type_traits/test/has_binary_classes2_test.cpp
libs/type_traits/test/has_binary_classes3_test.cpp
libs/type_traits/test/has_binary_classes1_test.cpp
libs/type_traits/test/has_logical_not_test.cpp
libs/type_traits/test/has_plus_assign_test.cpp
libs/type_traits/test/has_binary_classes5_test.cpp
libs/type_traits/test/has_binary_classes.hpp
libs/type_traits/test/has_post_increment_test.cpp
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Files:
libs/type_traits/include/boost/type_traits/detail/has_prefix_operator.hpp
libs/type_traits/include/boost/type_traits/detail/has_postfix_operator.hpp
libs/type_traits/include/boost/type_traits/detail/has_binary_operator.hpp
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Files:
libs/regex/include/boost/regex/v4/cpp_regex_traits.hpp
libs/regex/include/boost/regex/v4/basic_regex.hpp
libs/regex/include/boost/regex/v5/cpp_regex_traits.hpp
libs/regex/include/boost/regex/v5/basic_regex.hpp
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Files:
libs/lambda/include/boost/lambda/numeric.hpp
libs/lambda/include/boost/lambda/algorithm.hpp
libs/lambda/include/boost/lambda/detail/control_constructs_common.hpp
libs/lambda/include/boost/lambda/detail/member_ptr.hpp
libs/lambda/include/boost/lambda/exceptions.hpp
libs/lambda/include/boost/lambda/casts.hpp

libs/lambda/include/boost/lambda/core.hpp
libs/lambda/include/boost/lambda/construct.hpp
libs/lambda/include/boost/lambda/switch.hpp
libs/lambda/test/extending_rt_traits.cpp
libs/lambda/test/exception_test.cpp
libs/lambda/test/is_instance_of_test.cpp
libs/lambda/test/cast_test.cpp
libs/lambda/test/bind_tests_simple_f_refs.cpp
libs/lambda/test/control_structures.cpp
libs/lambda/test/operator_tests_simple.cpp
libs/lambda/test/phoenix_control_structures.cpp
libs/lambda/test/switch_construct.cpp
libs/lambda/test/bind_tests_simple.cpp
libs/lambda/test/bll_and_function.cpp
libs/lambda/test/constructor_tests.cpp
libs/lambda/test/member_pointer_test.cpp
libs/lambda/test/algorithm_test.cpp
libs/tuple/include/boost/tuple/tuple_comparison.hpp
libs/phoenix/test/bll_compatibility/extending_rt_traits.cpp
libs/phoenix/test/bll_compatibility/exception_test.cpp
libs/phoenix/test/bll_compatibility/is_instance_of_test.cpp
libs/phoenix/test/bll_compatibility/cast_test.cpp
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libs/phoenix/test/bll_compatibility/control_structures.cpp
libs/phoenix/test/bll_compatibility/operator_tests_simple.cpp
libs/phoenix/test/bll_compatibility/phoenix_control_structures.cpp
libs/phoenix/test/bll_compatibility/switch_construct.cpp
libs/phoenix/test/bll_compatibility/bind_tests_simple.cpp
libs/phoenix/test/bll_compatibility/bll_and_function.cpp
libs/phoenix/test/bll_compatibility/constructor_tests.cpp
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libs/test/example/unit_test_example_07.cpp
libs/test/example/unit_test_example_08.cpp
libs/test/example/const_string.hpp
libs/test/example/unit_test_example_09_1.cpp
libs/test/example/unit_test_example_04.cpp
libs/test/example/named_param_example.cpp

libs/test/example/filtering_example.cpp
libs/test/example/unit_test_example_05.cpp
libs/test/example/external_main_example_2.cpp
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libs/histogram/benchmark/histogram_filling_root.cpp
libs/histogram/benchmark/run_benchmarks.py
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libs/spirit/test/karma/bool.cpp
libs/spirit/test/karma/encoding.cpp
libs/spirit/test/karma/debug.cpp
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libs/spirit/test/x3/char_class.cpp
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libs/spirit/test/x3/lit2.cpp
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libs/spirit/test/qi/real3.cpp
libs/spirit/test/qi/end.cpp
libs/spirit/test/qi/attribute1.cpp
libs/spirit/test/qi/match_manip2.cpp
libs/spirit/test/qi/char_class.cpp
libs/spirit/test/qi/match_manip3.cpp
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libs/spirit/repository/example/karma/calc2_ast.hpp
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libs/spirit/repository/doc/karma/confix.qbk
libs/spirit/repository/doc/karma/nonterminals.qbk
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libs/math/test/acosh_test.hpp
libs/math/test/quaternion_mi1.h
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libs/compute/perf/perf_comparison_sort.cpp
libs/compute/perf/perf_reverse_copy.cpp
libs/compute/perf/perf_bolt_saxpy.cpp
libs/compute/perf/perf_bolt_reduce_by_key.cpp
libs/compute/perf/perf_bolt_count.cpp
libs/compute/perf/perf_thrust_reverse_copy.cu
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libs/compute/test/test_radix_sort_by_key.cpp
libs/compute/test/test_stable_sort_by_key.cpp
libs/compute/test/test_merge_sort_gpu.cpp
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libs/spirit/include/boost/spirit/home/x3/support/utility/is_callable.hpp
libs/spirit/include/boost/spirit/repository/home/support/seek.hpp
libs/spirit/include/boost/spirit/repository/home/qi/directive/seek.hpp
libs/spirit/include/boost/spirit/repository/include/qi_seek.hpp
libs/spirit/repository/example/qi/seek.cpp
libs/spirit/repository/test/qi/seek.cpp
libs/fusion/include/boost/fusion/algorithm/transformation/flatten.hpp
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libs/fusion/include/boost/fusion/include/flatten_view.hpp
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libs/algorithm/Jamfile
libs/date_time/Jamfile
libs/date_time/test/posix_time/testtime_serialize_versioning.cpp
libs/date_time/test/posix_time/compile_fail/millisec_special_value.cpp
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libs/date_time/test/posix_time/compile_fail/seconds_special_value.cpp
libs/date_time/test/posix_time/compile_fail/minutes_special_value.cpp
libs/pool/example/Jamfile.v2
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libs/numeric/interval/examples/Jamfile.v2
libs/numeric/interval/Jamfile
libs/gil/Jamfile
libs/ptr_container/Jamfile
libs/units/covscan.sh
libs/tokenizer/example/Jamfile.v2
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libs/concept_check/Jamfile
libs/rational/Jamfile
libs/iostreams/example/Jamfile.v2
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libs/function/example/Jamfile
libs/move/Jamfile
libs/signals2/Jamfile
libs/assign/Jamfile
libs/program_options/Jamfile
libs/program_options/ci/codecov.sh
libs/program_options/ci/build.sh
libs/program_options/ci/mingw.bat
libs/program_options/ci/cppcheck.sh
libs/program_options/ci/coverity.sh

libs/dynamic_bitset/Jamfile
libs/uuid/include/boost/uuid/entropy_error.hpp
libs/uuid/include/boost/uuid/name_generator_md5.hpp
libs/uuid/include/boost/uuid/detail/random_provider_detect_platform.hpp
libs/uuid/include/boost/uuid/detail/random_provider_bcrypt.ipp
libs/uuid/include/boost/uuid/detail/random_provider_include_platform.hpp
libs/uuid/include/boost/uuid/detail/random_provider_getentropy.ipp
libs/uuid/include/boost/uuid/detail/random_provider_arc4random.ipp
libs/uuid/include/boost/uuid/detail/random_provider.hpp
libs/uuid/include/boost/uuid/uuid_hash.hpp
libs/uuid/Jamfile
libs/uuid/test/mock_random.hpp
libs/uuid/test/test_hash.cpp
libs/uuid/test/test_detail_random_provider.cpp
libs/uuid/test/test_md5.cpp
libs/uuid/test/mock_random.cpp
libs/uuid/test/test_entropy_error.cpp
libs/uuid/test/test_bench_random.cpp
libs/static_string/tools/codecov.sh
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libs/mpl/example/Jamfile.v2
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libs/logic/Jamfile
libs/logic/test/compile-fail/implicit_int_3.cpp
libs/logic/test/compile-fail/implicit.cpp
libs/logic/test/compile-fail/operator_less_1.cpp
libs/logic/test/compile-fail/operator_less_2.cpp
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libs/logic/test/compile-fail/implicit_int_2.cpp
libs/predef/include/boost/predef/platform/windows_server.h
libs/predef/include/boost/predef/platform/windows_uwp.h
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libs/circular_buffer/test/constant_erase_test.cpp
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libs/circular_buffer/example/circular_buffer_iter_example.cpp
libs/circular_buffer/example/bounded_buffer_comparison.cpp
libs/circular_buffer/doc/circular_buffer.qbk
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libs/hana/test/map/at_key.collisions.cpp
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libs/hana/example/index_if.cpp
libs/hana/include/boost/hana/find_if.hpp
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libs/hana/test/ext/boost/fusion/vector/auto/index_if.cpp
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libs/beast/include/boost/beast/zlib/detail/ranges.hpp
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libs/wave/test/testwave/testfiles/t_8_007.cpp
libs/wave/test/testwave/testfiles/t_2_030.cpp
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libs/wave/test/testwave/testfiles/t_2_027.cpp
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libs/wave/test/testwave/testfiles/t_2_023.cpp
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libs/wave/test/testwave/testfiles/t_2_026.cpp
libs/wave/test/testwave/testfiles/t_2_029.cpp
libs/wave/test/testwave/testfiles/t_5_039.cpp
libs/wave/test/testwave/testfiles/t_8_009.cpp
libs/wave/test/testwave/testfiles/t_8_002.cpp
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libs/wave/test/testwave/testfiles/t_8_003.cpp
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libs/ratio/example/type_traits/detail/common_type.hpp
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libs/config/include/boost/config/stdlib/modena.hpp
libs/config/test/limits_test.cpp
libs/integer/include/boost/integer_traits.hpp
libs/integer/test/integer_traits_test.cpp
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libs/random/include/boost/random/detail/ptr_helper.hpp
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libs/random/include/boost/random/linear_congruential.hpp
libs/random/include/boost/random/random_number_generator.hpp
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libs/random/test/histogram.cpp
libs/random/test/integrate.hpp
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libs/config/include/boost/config/platform/solaris.hpp
libs/config/include/boost/config/platform/linux.hpp
libs/config/include/boost/config/platform/irix.hpp
libs/config/include/boost/config/detail/select_stdlib_config.hpp
libs/config/include/boost/config/detail/select_platform_config.hpp
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libs/random/include/boost/random/gamma_distribution.hpp
libs/random/include/boost/random/uniform_on_sphere.hpp
libs/random/include/boost/random/normal_distribution.hpp
libs/random/include/boost/random/triangle_distribution.hpp
libs/random/include/boost/random/detail/uniform_int_float.hpp
libs/random/include/boost/random/detail/generator_seed_seq.hpp
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libs/iterator/example/func_output_iter_example.cpp
libs/iterator/example/transform_iterator_example.cpp
libs/iterator/example/indirect_iterator_example.cpp
libs/iterator/example/permutation_iter_example.cpp
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libs/tokenizer/example/char_sep_example_2.cpp
libs/detail/include/boost/detail/named_template_params.hpp
libs/graph/example/transitive_closure.cpp
libs/graph/example/iohb.h
libs/graph/example/isomorphism.cpp
libs/graph/example/subgraph_properties.cpp
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libs/graph/include/boost/graph/detail/shadow_iterator.hpp
libs/graph/include/boost/graph/detail/set_adaptor.hpp
libs/graph/include/boost/graph/detail/permutation.hpp
libs/graph/include/boost/graph/tree_traits.hpp
libs/graph/include/boost/graph/adj_list_serialize.hpp
libs/graph/include/boost/pending/stringtok.hpp
libs/graph/include/boost/pending/fibonacci_heap.hpp
libs/graph/include/boost/pending/property_serialize.hpp
libs/graph/include/boost/pending/detail/disjoint_sets.hpp
libs/graph/include/boost/pending/detail/property.hpp
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libs/graph/include/boost/pending/queue.hpp
libs/graph/test/bidir_remove_edge.cpp
libs/graph/test/disjoint_set_test.cpp
libs/graph/test/bellman-test.cpp
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libs/graph/test/transitive_closure_test2.cpp
libs/concept_check/include/boost/concept_archetype.hpp
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libs/concept_check/test/old_concept_function_fail.cpp
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libs/dynamic_bitset/example/example1.cpp
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libs/utility/test/iterators_test.cpp
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libs/context/src/asm/make_mips64_n64_elf_gas.S
libs/context/src/asm/ontop_mips64_n64_elf_gas.S
libs/context/src/asm/jump_mips64_n64_elf_gas.S
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Files:
libs/serialization/include/boost/serialization/unordered_collections_save_imp.hpp
libs/serialization/include/boost/serialization/boost_unordered_map.hpp
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libs/serialization/include/boost/serialization/archive_input_unordered_map.hpp
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libs/serialization/include/boost/serialization/unordered_map.hpp
libs/serialization/test/test_set_hashed.cpp
libs/serialization/test/test_map.cpp
libs/serialization/test/test_map_boost_unordered.cpp
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libs/python/include/boost/python/numpy.hpp
libs/python/include/boost/python/numpy/invoke_matching.hpp
libs/python/include/boost/python/numpy/numpy_object_mgr_traits.hpp
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libs/python/include/boost/python/numpy/ufunc.hpp
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Files:
libs/icl/example/large_bitset_/large_bitset.hpp
libs/icl/example/large_bitset_/meta_log.hpp
libs/icl/example/large_bitset_/bits.hpp
libs/icl/example/large_bitset_/large_bitset.cpp
libs/icl/example/custom_interval_/Jamfile.v2
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libs/multi_index/appveyor.yml
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libs/poly_collection/doc/style.css
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libs/config/test/boost_no_mem_tem_pnts.ipp
libs/multi_index/example/non_default_ctor.cpp
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libs/spirit/test/qi/kleene.cpp

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libs/phoenix/test/scope/dynamic_tests.cpp
libs/phoenix/test/scope/let_tests_157a.cpp
libs/phoenix/test/object/new_delete_tests.cpp
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libs/python/include/boost/python/suite/indexing/detail/indexing_suite_detail.hpp
libs/python/include/boost/python/suite/indexing/map_indexing_suite.hpp
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libs/python/include/boost/python/suite/indexing/vector_indexing_suite.hpp
libs/python/test/vector_indexing_suite.cpp
libs/python/test/pointer_vector.cpp
libs/python/test/a_map_indexing_suite.cpp
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libs/python/test/pytype_function.cpp
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tools/quickbook/test/stub.c
tools/quickbook/test/stub.cpp
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libs/phoenix/include/boost/phoenix/bind/detail/cpp03/bind_member_function.hpp
libs/phoenix/include/boost/phoenix/bind/bind_member_variable.hpp
libs/phoenix/include/boost/phoenix/core/is_value.hpp
libs/phoenix/test/bind/bind_function_object_tests.cpp
libs/phoenix/test/Jamfile
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libs/phoenix/test/function/lazy_make_pair_tests.cpp
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libs/phoenix/test/stdlib/cmath.cpp
libs/phoenix/test/scope/let_tests_rest.cpp
libs/phoenix/test/scope/more_let_tests2a.cpp
libs/phoenix/test/scope/let_tests_113a.cpp
libs/phoenix/test/scope/more_let_tests1.cpp
libs/phoenix/test/scope/more_let_tests2b.cpp
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libs/phoenix/include/boost/phoenix/operator/detail/cpp03/preprocessed/mem_fun_ptr_eval_result_of_40.hpp

libs/phoenix/include/boost/phoenix/operator/detail/cpp03/mem_fun_ptr_eval_result_of.hpp
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libs/spirit/include/boost/spirit/home/classic/core/composite/epsilon.hpp
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libs/phoenix/test/boost_bind_compatibility/bind_cv_test.cpp
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libs/phoenix/test/boost_bind_compatibility/bind_rv_sp7_test.cpp
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libs/phoenix/test/boost_bind_compatibility/bind_rel_test.cpp
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libs/phoenix/test/boost_bind_compatibility/bind_rv_sp3_test.cpp
libs/phoenix/test/boost_bind_compatibility/bind_fnobj2_test.cpp
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libs/phoenix/test/boost_bind_compatibility/bind_rv_sp6_test.cpp
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libs/math/test/s_.ipp
libs/math/test/test_signed_zero.cpp
libs/math/test/test_nonfinite_trap.cpp
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libs/phoenix/test/include/spirit.cpp
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libs/phoenix/test/core/custom_terminal.cpp
libs/phoenix/test/scope/bug8298.cpp
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libs/type_traits/examples/iter_swap_example.cpp
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libs/type_traits/examples/trivial_destructor_example.cpp
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libs/config/test/no_cxx17_hdr_memory_resource_fail.cpp
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libs/config/test/no_static_assert_pass.cpp
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libs/config/test/boost_has_pthreads.ipp
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libs/config/test/no_cv_void_spec_pass.cpp
libs/config/test/boost_no_std_iterator.ipp
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libs/config/test/boost_no_limits_const_exp.ipp
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libs/config/test/no_iter_construct_fail.cpp
libs/config/test/no_raw_literals_fail.cpp

libs/config/test/no_mem_tem_pnts_pass.cpp
libs/config/test/boost_no_using_breaks_adl.ipp
libs/config/test/has_winthreads_pass.cpp
libs/config/test/boost_no_template_streams.ipp
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libs/config/test/no_defaulted_functions_pass.cpp
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libs/math/include/boost/math/ccmath/hypot.hpp
libs/math/include/boost/math/ccmath/scalbn.hpp
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libs/math/include/boost/math/policies/policy.hpp
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libs/multiprecision/include/boost/multiprecision/gmp.hpp
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libs/multiprecision/test/standalone_test_miller_rabin.cpp
libs/multiprecision/test/standalone_test_arithmetic_float_128.cpp
libs/multiprecision/test/standalone_test_arithmetic_int512.cpp
libs/multiprecision/test/standalone_test_arithmetic_cpp_dec_float.cpp
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libs/config/include/boost/config/helper_macros.hpp
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libs/math/include/boost/math/special_functions/detail/bessel_k0.hpp
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libs/core/test/swap/swap_array_of_array_of_class.cpp
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libs/numeric/odeint/include/boost/numeric/odeint/external/mkl/mkl_operations.hpp
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libs/numeric/odeint/performance/Makefile
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libs/numeric/odeint/examples/openmp/phase_chain_omp_state.cpp
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libs/static_string/doc/Jamfile
libs/static_string/doc/qbk/main.qbk
libs/static_string/doc/qbk/index.xml
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libs/json/doc/qbk/04_00_allocators.qbk
libs/json/doc/qbk/03_02_string.qbk
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libs/pool/test/test_bug_4960.cpp
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libs/hana/benchmark/reverse/nomove.fusion.vector.erb.cpp
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libs/fusion/test/sequence/deque_is_constructible.cpp
libs/fusion/test/sequence/nil.cpp
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libs/gil/test/core/channel/channel_numeric_operations.cpp
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libs/math/test/ccmath_logb_test.cpp
libs/math/test/ccmath_trunc_test.cpp
libs/math/test/test_chatterjee_correlation.cpp
libs/math/test/ccmath_isnormal_test.cpp
libs/math/test/ccmath_frexp_test.cpp
libs/math/test/ccmath_round_test.cpp
libs/math/test/git_issue_705.cpp
libs/math/test/ccmath_fmax_test.cpp
libs/math/test/test_rank.cpp
libs/math/test/ccmath_isless_test.cpp
libs/math/test/ccmath_fpclassify_test.cpp
libs/math/test/ccmath_fmod_test.cpp
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libs/math/test/ccmath_scalbn_test.cpp
libs/math/test/ccmath_copysign_test.cpp
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libs/math/test/ccmath_ilogb_test.cpp
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libs/math/test/ccmath_isunordered_test.cpp
libs/math/test/ccmath_isinf_test.cpp
libs/math/test/ccmath_isgreater_test.cpp
libs/math/test/ccmath_ldexp_test.cpp
libs/math/test/header_deprecated_test.cpp
libs/math/test/ccmath_ceil_test.cpp
libs/multiprecision/include/boost/multiprecision/detail/fpclassify.hpp
libs/multiprecision/include/boost/multiprecision/detail/assert.hpp
libs/multiprecision/include/boost/multiprecision/detail/hash.hpp
libs/multiprecision/include/boost/multiprecision/detail/endian.hpp
libs/multiprecision/include/boost/multiprecision/detail/functions/trunc.hpp
libs/multiprecision/test/git_issue_464.cpp
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libs/math/example/color_maps_example.cpp
libs/math/doc/statistics/bivariate_statistics.qbk
libs/math/doc/statistics/t_test.qbk
libs/math/doc/statistics/univariate_statistics.qbk
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libs/math/reporting/performance/test_mode.cpp
libs/math/include/boost/math/statistics/bivariate_statistics.hpp
libs/math/include/boost/math/statistics/detail/single_pass.hpp
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libs/math/include/boost/math/statistics/t_test.hpp
libs/math/include/boost/math/tools/random_vector.hpp
libs/math/include/boost/math/tools/color_maps.hpp
libs/math/test/univariate_statistics_test.cpp
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libs/math/test/linear_regression_test.cpp
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libs/math/example/autodiff_black_scholes_brief.cpp
libs/math/example/autodiff_multiprecision.cpp
libs/math/example/autodiff_mixed_partials.cpp
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libs/math/doc/differentiation/autodiff.qbk
libs/math/include/boost/math/differentiation/autodiff_cpp11.hpp
libs/math/include/boost/math/differentiation/autodiff.hpp
libs/math/test/test_autodiff_6.cpp
libs/math/test/test_autodiff_4.cpp
libs/math/test/test_autodiff_1.cpp
libs/math/test/test_autodiff_3.cpp
libs/math/test/test_autodiff_5.cpp
libs/math/test/test_autodiff_8.cpp
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libs/math/test/test_autodiff_2.cpp
libs/math/test/test_autodiff_7.cpp
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libs/units/example/runtime_conversion_factor.cpp
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libs/units/example/conversion.cpp
libs/units/example/lambda.cpp
libs/units/example/performance.cpp
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libs/units/example/tutorial.cpp
libs/units/example/conversion_factor.cpp
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libs/units/test/fail_implicit_conversion.cpp
libs/units/test/fail_quantity_unit_add.cpp
libs/units/test/fail_quantity_unit_subtract.cpp
libs/units/test/test_limits.cpp
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libs/units/test/fail_scalar_quantity_sub.cpp
libs/units/test/fail_unit_quantity_add.cpp
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libs/units/test/test_default_conversion.cpp
libs/units/test/test_mixed_value_types.cpp
libs/units/test/test_sqrt_scaled_unit.cpp
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libs/detail/include/boost/detail/has_default_constructor.hpp
libs/graph_parallel/include/boost/graph/parallel/detail/untracked_pair.hpp
libs/serialization/include/boost/serialization/vector_135.hpp

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libs/numeric/ublas/test/common/init.hpp
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libs/graph/include/boost/graph/two_graphs_common_spanning_trees.hpp
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libs/predef/include/boost/predef/platform/windows_runtime.h
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libs/pool/CMakeLists.txt
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libs/array/test/test_cmake/CMakeLists.txt
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libs/typeof/CMakeLists.txt
libs/regex/example/snippets/CMakeLists.txt
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libs/atomic/test/test_cmake/main.cpp
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libs/gil/example/adaptive_threshold.cpp
libs/gil/test/core/image_processing/median_filter.cpp
libs/gil/test/core/image_processing/threshold_binary.cpp
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libs/coroutine/example/asymmetric/layout.cpp
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libs/fiber/examples/adapt_nonblocking.cpp
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libs/fiber/examples/asio/detail/yield.hpp
libs/fiber/doc/nonblocking.qbk
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libs/range/include/boost/range/algorithm/search.hpp
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libs/range/include/boost/range/algorithm/reverse_copy.hpp
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libs/hof/test/repeat_while.cpp
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libs/hof/test/infix.cpp
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libs/hof/test/decorate.cpp
libs/hof/test/apply_eval.cpp
libs/hof/test/rotate.cpp
libs/hof/test/decay.cpp
libs/hof/test/lazy.cpp
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libs/hof/test/match.cpp
libs/hof/test/if.cpp
libs/hof/test/mutable.cpp
libs/hof/test/implicit.cpp
libs/hof/test/issue8.cpp
libs/hof/test/Jamfile.v2
libs/hof/test/result.cpp
libs/hof/test/repeat.cpp
libs/hof/test/unpack.cpp
libs/hof/test/returns.cpp
libs/hof/test/pack.cpp

libs/hof/test/capture.cpp
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libs/hof/test/always.cpp
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libs/hof/test/fail/always.cpp
libs/hof/test/fail/rotate_lazy.cpp
libs/hof/test/construct.cpp
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Files:
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Files:
libs/preprocessor/include/boost/preprocessor/repetition/deduce_z.hpp
libs/preprocessor/include/boost/preprocessor/repetition/enum_trailing_params.hpp
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libs/preprocessor/include/boost/preprocessor/iteration/local.hpp
libs/preprocessor/include/boost/preprocessor/min.hpp
libs/preprocessor/test/tuple.c
libs/preprocessor/test/seq.cpp
libs/preprocessor/test/list.c
libs/preprocessor/test/comparison.cpp
libs/preprocessor/test/punctuation.cpp
libs/preprocessor/test/comparison.cxx

libs/preprocessor/test/control.c
libs/preprocessor/test/seq.c
libs/preprocessor/test/selection.cpp
libs/preprocessor/test/facilities.c
libs/preprocessor/test/seq.cxx
libs/preprocessor/test/arithmetic.c
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libs/preprocessor/test/tuple.cpp
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libs/preprocessor/test/quick.cpp
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Files:
libs/rational/include/boost/rational.hpp

libs/rational/test/rational_example.cpp
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libs/safe_numerics/test/test_rational.cpp
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libs/spirit/classic/example/fundamental/error_reporting.cpp
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Files:
libs/core/include/boost/core/no_exceptions_support.hpp
libs/serialization/include/boost/serialization/optional.hpp
libs/serialization/test/test_optional.cpp
libs/serialization/test/test_z.cpp
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Files:
libs/core/doc/no_exceptions_support.qbk
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Files:
libs/serialization/include/boost/serialization/state_saver.hpp
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libs/algorithm/include/boost/algorithm/string_regex.hpp
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libs/algorithm/include/boost/algorithm/string/yes_no_type.hpp
libs/algorithm/include/boost/algorithm/string/erase.hpp
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libs/algorithm/include/boost/algorithm/string/classification.hpp

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libs/algorithm/string/example/conv_example.cpp
libs/algorithm/string/example/predicate_example.cpp
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libs/algorithm/string/example/rle_example.cpp
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libs/algorithm/string/doc/quickref.xml
libs/algorithm/string/doc/intro.xml
libs/algorithm/string/doc/credits.xml
libs/algorithm/string/doc/Jamfile.v2
libs/algorithm/string/doc/environment.xml
libs/algorithm/string/doc/design.xml
libs/algorithm/string/doc/release_notes.xml
libs/algorithm/string/doc/rationale.xml
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libs/algorithm/string/test/conv_test.cpp
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libs/algorithm/string/test/split_test.cpp
libs/algorithm/string/test/Jamfile.v2
libs/algorithm/string/test/predicate_test.cpp
libs/range/include/boost/range/detail/collection_traits_detail.hpp
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libs/typeof/doc/Jamfile.v2
libs/typeof/include/boost/typeof/unsupported.hpp
libs/typeof/include/boost/typeof/dmc/typeof_impl.hpp
libs/typeof/test/nested_typedef.cpp
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Files:
tools/build/test/tag.py
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Files:
CMakeLists.txt
libs/icl/CMakeLists.txt
libs/safe_numerics/CMakeLists.txt
libs/safe_numerics/appveyor.yml
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libs/date_time/CMakeLists.txt

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tools/cmake/appveyor.yml
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Files:
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Files:
libs/gil/example/morphology.cpp

libs/gil/example/rasterizer_ellipse.cpp
libs/gil/include/boost/gil/extension/rasterization/ellipse.hpp
libs/gil/include/boost/gil/image_processing/morphology.hpp
libs/gil/test/extension/rasterization/ellipse.cpp
libs/gil/test/core/image_processing/morphology.cpp
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Files:
libs/test/example/unit_test_example_16.cpp
libs/test/doc/test_output/testout_summary.qbk
libs/test/doc/examples/boost_test_macro3.run-fail.cpp
libs/test/doc/examples/boost_test_macro2.run-fail.cpp
libs/test/doc/examples/boost_test_container_lex_default.run-fail.cpp
libs/test/doc/examples/boost_test_macro_container_c_array.run-fail.cpp
libs/test/doc/examples/boost_test_macro_workaround.run.cpp
libs/test/doc/examples/runtime-configuration_1.run-fail.cpp
libs/test/doc/examples/boost_test_sequence_per_element.run-fail.cpp
libs/test/doc/examples/dataset_example59.run-fail.cpp
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libs/test/doc/examples/dataset_example64.run-fail.cpp
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libs/test/doc/examples/boost_test_container_default.run-fail.cpp
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libs/test/doc/testing_tools/timeout.qbk
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libs/test/doc/test_organization/test_tree.qbk
libs/test/doc/test_organization/managing_tests_dependencies.qbk

libs/test/doc/snippet/dataset_1/test_file.cpp
libs/test/doc/snippet/dataset_1/CMakeLists.txt
libs/test/include/boost/test/utils/timer.hpp
libs/test/include/boost/test/output/junit_log_formatter.hpp
libs/test/include/boost/test/data/monomorphic/delayed.hpp
libs/test/include/boost/test/impl/test_framework_init_observer.ipp
libs/test/include/boost/test/impl/junit_log_formatter.ipp
libs/test/include/boost/test/test_framework_init_observer.hpp
libs/test/build/CMakeLists.txt
libs/test/test/smoke-ts/basic-smoke-test3.cpp
libs/test/test/smoke-ts/basic-smoke-test.cpp
libs/test/test/smoke-ts/basic-smoke-test4.cpp
libs/test/test/smoke-ts/basic-smoke-test2.cpp
libs/test/test/writing-test-ts/test-timeout-suite-fail.cpp
libs/test/test/writing-test-ts/fp-no-comparison-for-incomplete-types-test.cpp
libs/test/test/writing-test-ts/user-defined-types-logging-customization-points.cpp
libs/test/test/writing-test-ts/nullptr-support-test.cpp
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libs/test/test/writing-test-ts/test-with-precondition.cpp
libs/test/test/writing-test-ts/test-fixture-detect-setup-teardown-cpp11.cpp
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libs/test/test/writing-test-ts/test-timeout.cpp
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libs/test/test/test-organization-ts/test_unit-several-ts-same-name.cpp
libs/test/test/test-organization-ts/test-tree-several-suite-decl-1.hpp
libs/test/test/test-organization-ts/test_unit-order-shuffled-test.cpp
libs/test/test/test-organization-ts/dataset-master-test-suite-accessible-test.cpp
libs/test/test/test-organization-ts/test-tree-several-suite-decl.cpp
libs/test/test/test-organization-ts/test_unit-nested-suite-dependency.cpp
libs/test/test/test-organization-ts/dataset-variadic_and_move_semantic-test.cpp
libs/test/test/test-organization-ts/test_case_template-with-tuples-test.cpp
libs/test/test/test-organization-ts/test-tree-several-suite-decl-2.hpp
libs/test/test/test-organization-ts/test_case_template-with-variadic-typelist.cpp
libs/test/test/test-organization-ts/test_unit-sanitize-names.cpp
libs/test/test/test-organization-ts/test_unit-report-clashing-names.cpp
libs/test/test/execution_monitor-ts/boost_exception-test.cpp
libs/test/test/framework-ts/test-macro-global-fixture.cpp
libs/test/test/framework-ts/version-uses-module-name.cpp
libs/test/test/framework-ts/decorators-datatestcase-test.cpp
libs/test/test/framework-ts/master-test-suite-non-copyable-test.cpp
libs/test/test/framework-ts/check-streams-on-exit.cpp
libs/test/test/framework-ts/log-count-skipped-test.cpp
libs/test/test/framework-ts/log-formatter-test.cpp
libs/test/test/framework-ts/logger-for-tests.hpp
libs/test/test/framework-ts/message-in-datatestcase-test.cpp

libs/test/src/junit_log_formatter.cpp
libs/test/src/test_framework_init_observer.cpp
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Files:
libs/python/example/quickstart/test_extending.py
libs/python/example/quickstart/extending.cpp
libs/python/include/boost/python/docstring_options.hpp
libs/python/include/boost/python/object/pickle_support.hpp
libs/python/test/pickle4.cpp
libs/python/test/pickle1.cpp
libs/python/test/pickle2.cpp
libs/python/test/pickle3.cpp
libs/python/src/object/pickle_support.cpp
libs/compatibility/generate_cpp_c_headers.py
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Files:
libs/type_traits/include/boost/type_traits/is_base_and_derived.hpp
libs/type_traits/include/boost/type_traits/is_base_of.hpp
libs/type_traits/include/boost/type_traits/is_base_of_tr1.hpp
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libs/type_traits/include/boost/type_traits/is_abstract.hpp
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libs/compute/perf/perf_stl_max_element.cpp
libs/compute/perf/perf_max_element.cpp
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libs/python/test/crossmod_exception.py
libs/python/test/module_init_exception.py
libs/python/test/crossmod_exception_b.cpp
libs/python/test/crossmod_exception_a.cpp
libs/python/test/module_init_exception.cpp
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libs/locale/doc/style/header.css
libs/locale/doc/style/section-basic.css
libs/locale/doc/style/header_grass.css
libs/static_assert/test/static_assert_test_fail_10.cpp
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tools/build/src/tools/cw.jam
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Files:
libs/predef/include/boost/predef/other/wordsize.h
libs/predef/include/boost/predef/other.h
tools/build/azure-pipelines.yml
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status/boost_check_library.py
libs/date_time/doc/build.jam
libs/preprocessor/test/Jamfile.v2
libs/array/test/Jamfile.v2
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libs/predef/include/boost/predef/architecture/rs6k.h
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tools/build/src/engine/config.h
tools/build/src/engine/check_cxx11.cpp
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tools/build/src/tools/generators/__init_generators__.jam
tools/build/src/tools/types/objc.jam
tools/build/src/tools/doxproc.py
tools/build/src/tools/xsltproc-config.jam
tools/build/src/tools/quickbook-config.jam
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tools/build/src/tools/features/warnings-feature.jam
tools/build/src/tools/features/define-feature.jam
tools/build/src/tools/features/__init_features__.jam
tools/build/src/tools/features/cflags-feature.jam
tools/build/src/tools/features/rtti-feature.jam
tools/build/src/tools/features/allow-feature.jam
tools/build/src/tools/features/strip-feature.jam
tools/build/src/tools/features/variant-feature.jam
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tools/build/src/tools/features/cxxabi-feature.jam
tools/build/src/tools/features/library-feature.jam
tools/build/src/tools/features/name-feature.jam
tools/build/src/tools/features/location-prefix-feature.jam
tools/build/src/tools/features/instruction-set-feature.jam
tools/build/src/tools/features/dll-feature.jam
tools/build/src/tools/features/address-model-feature.jam
tools/build/src/tools/features/build-feature.jam
tools/build/src/tools/features/file-feature.jam
tools/build/src/tools/features/exception-feature.jam
tools/build/src/tools/features/search-feature.jam
tools/build/src/tools/features/archiveflags-feature.jam
tools/build/src/tools/features/cxxstd-feature.jam
tools/build/src/tools/features/os-feature.jam
tools/build/src/tools/features/internal-feature.jam
tools/build/src/tools/features/find-lib-feature.jam
tools/build/src/tools/features/objcflags-feature.jam
tools/build/src/tools/features/debug-feature.jam
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tools/build/src/tools/features/translate-path-feature.jam
tools/build/src/tools/features/location-feature.jam
tools/build/src/tools/features/user-interface-feature.jam
tools/build/src/tools/features/stdlib-feature.jam
tools/build/src/tools/features/link-feature.jam
tools/build/src/tools/features/linkflags-feature.jam
tools/build/src/tools/features/cxx-template-depth-feature.jam
tools/build/src/tools/features/optimization-feature.jam
tools/build/src/tools/features/conditional-feature.jam
tools/build/src/tools/features/asmflags-feature.jam
tools/build/src/tools/features/fflags-feature.jam
tools/build/src/tools/features/version-feature.jam
tools/build/src/tools/features/runtime-feature.jam
tools/build/src/tools/features/tag-feature.jam
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tools/build/test/core_option_d2.py
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tools/build/test/core_option_n.py
tools/build/test/core_parallel_multifile_actions_1.py
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Files:
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tools/build/test/project-test3/lib3/jamroot.jam
tools/build/src/engine/cwd.cpp
tools/build/src/engine/bump_version.py
tools/build/src/build/targets.jam
tools/build/src/build/generators.jam
tools/build/src/tools/generators/c-compiling-generator.jam
tools/build/src/tools/generators/searched-lib-generator.jam
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tools/build/src/tools/generators/prebuilt-lib-generator.jam
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libs/graph/include/boost/graph/floyd_warshall_shortest.hpp
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Files:
libs/predef/build.jam
libs/predef/doc/history.adoc
libs/predef/doc/todo.adoc
libs/predef/azure-pipelines.yml
libs/predef/appveyor.yml
tools/build/src/engine/mem.h
tools/build/src/engine/startup.h
tools/build/src/engine/startup.cpp
tools/build/src/tools/features/compileflags-feature.jam
tools/build/src/tools/features/response-file-feature.jam
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Files:
tools/build/test/toolset_clang_linux.py
tools/build/test/toolset-mock/src/MockProgram.py

tools/build/test/toolset-mock/src/ar.py
tools/build/test/toolset-mock/src/clang-linux-3.9.0.py
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tools/build/src/tools/intel-win.jam
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Files:
libs/beast/include/boost/beast/http/impl/read.hpp
libs/beast/include/boost/beast/_experimental/test/detail/stream_state.hpp
libs/beast/include/boost/beast/_experimental/test/detail/stream_state.ipp
libs/beast/test/beast/_experimental/_test_detail_stream_state.cpp
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Files:
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libs/property_tree/examples/CMakeLists.txt
libs/property_tree/test/CMakeLists.txt
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Files:
libs/safe_numerics/example/example8.cpp
libs/safe_numerics/example/example18.cpp
libs/safe_numerics/example/motor1.c
libs/safe_numerics/example/example5.cpp
libs/safe_numerics/example/example93.cpp

libs/safe_numerics/example/example84.cpp
libs/safe_numerics/example/example4.cpp
libs/safe_numerics/example/motor_test2.c
libs/safe_numerics/example/example19.cpp
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libs/safe_numerics/example/Motor.c
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libs/safe_numerics/example/example13.cpp
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libs/serialization/example/demo_xml_save.cpp
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libs/property_tree/include/boost/property_tree/json_parser/detail/read.hpp
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libs/numeric/ublas/benchmarks/inner_prod.cpp
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libs/numeric/ublas/benchmarks/add.hpp
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libs/gil/doc/Jamfile
libs/python/example/tutorial/Jamfile
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libs/python/example/numpy/simple.cpp
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libs/python/example/quickstart/script.py
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libs/python/fabscript
libs/python/include/boost/python/exec.hpp
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libs/python/src/exec.cpp
libs/python/src/fabscript
libs/python/src/import.cpp
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libs/mpi/test/wait_all_on_null.cpp
libs/mpi/test/non_blocking_any_source.cpp
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libs/graph/example/read_write_dimacs-eg.cpp
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libs/graph/include/boost/graph/write_dimacs.hpp
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libs/graph/test/boykov_kolmogorov_max_flow_test.cpp
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libs/pool/include/boost/pool/detail/pool_construct_simple.ipp
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2001 Stephen Silver
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libs/sort/example/keyplusdatasample.cpp
libs/sort/example/stringfunctorsample.cpp
libs/sort/example/double.cpp
libs/sort/example/binaryalrbreaker.cpp
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libs/random/include/boost/random/piecewise_linear_distribution.hpp
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libs/random/include/boost/random/detail/enable_warnings.hpp
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libs/random/test/test_linear_feedback_shift.cpp
libs/random/test/test_bernoulli_distribution.cpp
libs/random/test/test_ranlux64_4.cpp
libs/random/test/test_hellekalek1995.cpp
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libs/random/test/test_lagged_fibonacci19937.cpp
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libs/random/test/test_negative_binomial_distribution.cpp
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libs/random/test/test_minstd_rand0.cpp
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libs/random/test/test_negative_binomial.cpp
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libs/random/test/test_piecewise_constant.cpp
libs/random/test/test_piecewise_linear.cpp
libs/random/test/test_triangle.cpp
libs/random/test/test_ecuyer1988.cpp
libs/random/test/test_ranlux24.cpp
libs/random/test/test_bernoulli.cpp
libs/random/test/test_ranlux48_base.cpp
libs/random/test/test_uniform_smallint_distribution.cpp
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libs/random/test/test_minstd_rand.cpp
libs/random/test/test_lagged_fibonacci1279.cpp
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libs/random/test/test_rand48.cpp
libs/random/test/test_uniform_real.cpp
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tools/build/src/tools/features/relevant-feature.jam
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tools/build/src/engine/constants.h
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libs/spirit/include/boost/spirit/home/x3/directive/no_case.hpp
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libs/thread/test/test_5891.cpp

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libs/thread/test/test_barrier_size_fct.cpp
libs/thread/test/test_3837.cpp
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libs/thread/test/test_8960.cpp
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libs/thread/src/future.cpp
libs/winapi/include/boost/winapi/get_current_process_id.hpp
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Files:
libs/thread/include/boost/thread/detail/config.hpp
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Files:
libs/url/*
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Files:

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Files:
libs/json/Jamfile
libs/beast/example/CMakeLists.txt
libs/beast/example/doc/http_examples.hpp
libs/beast/example/http/CMakeLists.txt
libs/beast/example/http/client/CMakeLists.txt
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libs/beast/example/http/client/sync/CMakeLists.txt
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libs/graph/example/implicit_graph.cpp
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in
"src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c

lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
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lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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lib/gssapi/mechglue/g_acquire_cred.c
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lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
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lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et

kprop/kpropd_rpc.c
kprop/kproplog.c

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cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
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lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
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lib/libgss/g_seal.c
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lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c

lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

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include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
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cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
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lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c

lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c

lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

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include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
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kprop/kpropd_rpc.c
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1.8212 libkrbsupport 1.20.1-6ubuntu2.5

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cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
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lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c

lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
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lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
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lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
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lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
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kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et

kprop/kpropd_rpc.c
kprop/kproplog.c

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

```
*
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
*  http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
*   Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather
 lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
*   IDT always receives data into a small buffer, then large buffers
*     as needed. This means that data must always be copied to create
*     the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
*     Fix is simple: make large buffers large enough to hold entire
*     SDU, and leave <small_buffer_data> bytes empty at the start. Then
*     copy small buffer contents to head of large buffer.
*   Trick is to avoid fragmenting Linux, due to need for a lot of large
*     buffers. This is done by 2 things:
*       1) skb->destructor / skb->atm.recycle_buffer
*           combined, allow nicstar_free_rx_skb to be called to
*           recycle large data buffers
*       2) skb_clone of received buffers
*   See nicstar_free_rx_skb and linearize_buffer for implementation
*     details.
*
*
*
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*
* M. Welsh, 6 July 1996
*
*
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1.8214 clockwork 0.5.0

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* /opt/cola/permits/2386228206_1741193273.8068423/0/clockwork-0-5-0-2-gem/data-tar-gz/README.md

1.8215 jinja 3.1.6

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1.8216 netty-resolver-dns 4.1.119.Final

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* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-

jar/io/netty/resolver/dns/package-info.java
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 /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DnsQueryContext.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DnsAddressResolverGroup.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DnsNameResolver.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DnsServerAddresses.java
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* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/ShuffledDnsServerAddressStream.java
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* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/SingletonDnsServerAddresses.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/SequentialDnsServerAddressStream.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DefaultDnsServerAddresses.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DnsNameResolverException.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DnsNameResolverBuilder.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/RotationalDnsServerAddresses.java

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* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/UnixResolverOptions.java
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* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DefaultDnsCnameCache.java
*

/opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DirContextUtils.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DnsAddressDecoder.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/NameServerComparator.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/NoopAuthoritativeDnsServerCache.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DnsAddressResolveContext.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/Cache.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DefaultAuthoritativeDnsServerCache.java
*
/opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/AuthoritativeDnsServerCache.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DnsCnameCache.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DnsRecordResolveContext.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/NoopDnsCnameCache.java
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* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DnsQueryIdSpace.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DnsNameResolverChannelStrategy.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/ResolvConf.java
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* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DnsCacheEntry.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/BiDnsQueryLifecycleObserverFactory.java
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* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/SingletonDnsServerAddressStreamProvider.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/NoopDnsQueryLifecycleObserver.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DnsQueryLifecycleObserverFactory.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-

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* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/MultiDnsServerAddressStreamProvider.java
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/opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/UniSequentialDnsServerAddressStreamProvider.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/UnixResolverDnsServerAddressStreamProvider.java
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* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DnsNameResolverTimeoutException.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DnsServerAddressStreamProvider.java
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/opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/SequentialDnsServerAddressStreamProvider.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/NoopDnsQueryLifecycleObserverFactory.java
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* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DatagramDnsQueryContext.java
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* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/RoundRobinDnsAddressResolverGroup.java
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 /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/NoopDnsCache.java
* /opt/cola/permits/2386693460_1741245876.061212/0/netty-resolver-dns-4-1-119-final-sources-jar/io/netty/resolver/dns/DnsCache.java
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1.8217 netty-transport-native-unix-common 4.1.119.Final

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* /opt/cola/permits/2386693430_1741245900.042547/0/netty-transport-native-unix-common-4-1-119-final-sources-jar/netty_unix_util.h
* /opt/cola/permits/2386693430_1741245900.042547/0/netty-transport-native-unix-common-4-1-119-final-sources-jar/io/netty/channel/unix/PeerCredentials.java
* /opt/cola/permits/2386693430_1741245900.042547/0/netty-transport-native-unix-common-4-1-119-final-sources-jar/netty_unix_limits.c
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* /opt/cola/permits/2386693430_1741245900.042547/0/netty-transport-native-unix-common-4-1-119-final-sources-jar/io/netty/channel/unix/Limits.java
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* /opt/cola/permits/2386693430_1741245900.042547/0/netty-transport-native-unix-common-4-1-119-final-sources-jar/io/netty/channel/unix/SocketWritableByteChannel.java

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* /opt/cola/permits/2386693430_1741245900.042547/0/netty-transport-native-unix-common-4-1-119-final-sources-jar/io/netty/channel/unix/Unix.java
* /opt/cola/permits/2386693430_1741245900.042547/0/netty-transport-native-unix-common-4-1-119-final-sources-jar/io/netty/channel/unix/UnixChannelOption.java
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*/
/**
    * Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.
    * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
    * Allowing them being read would mean anyone with access to the channel could get them.

   */
/**
    * Set the {@code TCP_QUICKACK} option on the socket.
    * See <a href="https://linux.die.net//man/7/tcp">TCP_QUICKACK</a>
    * for more details.
    */
```

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* /opt/cola/permits/2386693334_1741245901.2944038/0/netty-transport-classes-epoll-4-1-119-final-sources-jar/io/netty/channel/epoll/Epoll.java
* /opt/cola/permits/2386693334_1741245901.2944038/0/netty-transport-classes-epoll-4-1-119-final-sources-jar/io/netty/channel/epoll/EpollDatagramChannel.java
*
 /opt/cola/permits/2386693334_1741245901.2944038/0/netty-transport-classes-epoll-4-1-119-final-sources-jar/io/netty/channel/epoll/NativeDatagramPacketArray.java
* /opt/cola/permits/2386693334_1741245901.2944038/0/netty-transport-classes-epoll-4-1-119-final-sources-jar/io/netty/channel/epoll/EpollTcpInfo.java
* /opt/cola/permits/2386693334_1741245901.2944038/0/netty-transport-classes-epoll-4-1-119-final-sources-jar/io/netty/channel/epoll/EpollServerSocketChannel.java
* /opt/cola/permits/2386693334_1741245901.2944038/0/netty-transport-classes-epoll-4-1-119-final-sources-jar/io/netty/channel/epoll/EpollEventLoopGroup.java
* /opt/cola/permits/2386693334_1741245901.2944038/0/netty-transport-classes-epoll-4-1-119-final-sources-jar/io/netty/channel/epoll/EpollEventLoop.java
* /opt/cola/permits/2386693334_1741245901.2944038/0/netty-transport-classes-epoll-4-1-119-final-sources-jar/io/netty/channel/epoll/EpollSocketChannel.java
* /opt/cola/permits/2386693334_1741245901.2944038/0/netty-transport-classes-epoll-4-1-119-final-sources-jar/io/netty/channel/epoll/AbstractEpollChannel.java
*
 /opt/cola/permits/2386693334_1741245901.2944038/0/netty-transport-classes-epoll-4-1-119-final-sources-jar/io/netty/channel/epoll/EpollChannelOption.java
* /opt/cola/permits/2386693334_1741245901.2944038/0/netty-transport-classes-epoll-4-1-119-final-sources-jar/io/netty/channel/epoll/package-info.java
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*/
/**
    * Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.
    * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
    * Allowing them being read would mean anyone with access to the channel could get them.

   */
```

Found in path(s):
* /opt/cola/permits/2386693334_1741245901.2944038/0/netty-transport-classes-epoll-4-1-119-final-sources-jar/io/netty/channel/epoll/EpollServerSocketChannelConfig.java

1.8219 netty-resolver-dns-classes-macos 4.1.119.Final

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* /opt/cola/permits/2386693352_1741245894.0874739/0/netty-resolver-dns-classes-macos-4-1-119-final-sources-jar/META-INF/maven/io.netty/netty-resolver-dns-classes-macos/pom.xml
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* /opt/cola/permits/2386693352_1741245894.0874739/0/netty-resolver-dns-classes-macos-4-1-119-final-sources-jar/io/netty/resolver/dns/macos/DnsResolver.java
* /opt/cola/permits/2386693352_1741245894.0874739/0/netty-resolver-dns-classes-macos-4-1-119-final-sources-jar/io/netty/resolver/dns/macos/package-info.java

1.8220 netty-transport 4.1.119.Final

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* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/AbstractEventLoop.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/embedded/EmbeddedChannelId.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/ReflectiveChannelFactory.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/PendingWriteQueue.java
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* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/internal/ChannelUtils.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/socket/ChannelOutputShutdownException.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/DelegatingChannelPromiseNotifier.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/socket/ChannelOutputShutdownEvent.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/internal/package-info.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/socket/ChannelInputShutdownReadComplete.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/bootstrap/FailedChannel.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/PendingBytesTracker.java
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*/
/**
* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its {@link ChannelPipeline}.
*
* <h3>Sub-types</h3>
* <p>
* {@link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its
subtypes:
* <ul>
* <li>{@link
 ChannelInboundHandler} to handle inbound I/O events, and</li>
* <li>{@link ChannelOutboundHandler} to handle outbound I/O operations.</li>
* </ul>
* </p>
* <p>
* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>{@link ChannelInboundHandlerAdapter} to handle inbound I/O events,</li>
* <li>{@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
* <li>{@link ChannelDuplexHandler} to handle both inbound and outbound events</li>
* </ul>
* </p>
* <p>
* For more information, please refer to the documentation of each subtype.
* </p>
*
* <h3>The context object</h3>
* <p>
* A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext}
* object.  A {@link ChannelHandler} is supposed to interact with the
* {@link ChannelPipeline} it belongs to via a context object.  Using the
* context object, the {@link ChannelHandler} can pass events upstream or
* downstream, modify the pipeline dynamically,
 or store the information
* (using {@link AttributeKey}s) which is specific to the handler.
*
* <h3>State management</h3>
*
* A {@link ChannelHandler} often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
```

```
* <pre>
* public interface Message {
*     // your methods here
* }
*
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {
*
*     <b>private boolean loggedIn;</b>
*
*     {@code @Override}
*     public void channelRead0({@link ChannelHandlerContext} ctx, Message message) {
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             <b>loggedIn = true;</b>
*         } else (message instanceof GetDataMessage) {
*             if (<b>loggedIn</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*             } else {
*                 fail();
*             }
*
 }
*     }
*     ...
* }
* </pre>
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where an unauthenticated client can get
* the confidential information:
* <pre>
* // Create a new handler instance per channel.
* // See {@link ChannelInitializer#initChannel(Channel)}.
* public class DataServerInitializer extends {@link ChannelInitializer}&lt;{@link Channel}&gt; {
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*     }
* }
*
* </pre>
*
* <h4>Using {@link AttributeKey}s</h4>
*
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use {@link AttributeKey}s which is provided by
* {@link ChannelHandlerContext}:
```

```
 * <pre>
* public interface Message {
*     // your methods here
* }
*
* {@code @Sharable}
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {
*     private final {@link AttributeKey}&lt;{@link Boolean}&gt; auth =
*         {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
*
*     {@code @Override}
*     public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
*         {@link Attribute}&lt;{@link Boolean}&gt; attr = ctx.attr(auth);
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             <b>attr.set(true)</b>;
*         } else (message instanceof GetDataMessage) {
*             if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*             } else {
*                 fail();
*             }
*         }
*     }
*     ...
* }
* </pre>
* Now that the
 state of the handler is attached to the {@link ChannelHandlerContext}, you can add the
* same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends {@link ChannelInitializer}&lt;{@link Channel}&gt; {
*
*     private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
*
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>SHARED</b>);
*     }
* }
* </pre>
*
*
* <h4>The {@code @Sharable} annotation</h4>
* <p>
* In the example above which used an {@link AttributeKey},
* you might have noticed the {@code @Sharable} annotation.
* <p>
```

* If a {@link ChannelHandler} is annotated with the {@code @Sharable}
* annotation, it means you can create an instance of the handler just once and
* add it to one or more {@link ChannelPipeline}s multiple times without
* a race condition.
* <p>
* If this annotation is not specified, you have to create
 a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* <p>
* This annotation is provided for documentation purpose, just like
* the JCIP annotations.
*
* <h3>Additional resources worth reading</h3>
* <p>
* Please refer to the {@link ChannelHandler}, and
* {@link ChannelPipeline} to find out more about inbound and outbound operations,
* what fundamental differences they have, how they flow in a pipeline, and how to handle
* the operation in your application.
*/

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* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/SimpleUserEventChannelHandler.java

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* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/pool/FixedChannelPool.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/pool/ChannelPool.java
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* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/MaxBytesRecvByteBufAllocator.java
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* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/pool/ChannelPoolHandler.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolMap.java

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* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/socket/nio/NioDomainSocketUtil.java
*
 /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/socket/nio/NioDomainSocketChannel.java
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* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/PreferHeapByteBufAllocator.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/group/VoidChannelGroupFuture.java
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* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/nio/SelectedSelectionKeySet.java
*
 /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/group/ChannelMatchers.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/MessageSizeEstimator.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/AddressedEnvelope.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/group/DefaultChannelGroup.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/AbstractEventLoopGroup.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/group/ChannelGroupException.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/ChannelProgressiveFutureListener.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/socket/oio/OioSocketChannelConfig.java
*

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* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/ChannelProgressiveFuture.java
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* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/ChannelProgressivePromise.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/DefaultMessageSizeEstimator.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/ChannelHandlerAdapter.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/socket/oio/DefaultOioSocketChannelConfig.java
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/opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/ChannelOutboundBuffer.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/DefaultAddressedEnvelope.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/ChannelId.java
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* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/ConnectTimeoutException.java
*
/opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/socket/oio/OioServerSocketChannelConfig.java
* /opt/cola/permits/2386693436_1741245893.4721653/0/netty-transport-4-1-119-final-sources-jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
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1.8221 netty-resolver 4.1.119.Final

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* /opt/cola/permits/2386693448_1741245890.1594827/0/netty-resolver-4-1-119-final-sources-jar/io/netty/resolver/NoopAddressResolver.java
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* /opt/cola/permits/2386693448_1741245890.1594827/0/netty-resolver-4-1-119-final-sources-jar/io/netty/resolver/NoopAddressResolverGroup.java
* /opt/cola/permits/2386693448_1741245890.1594827/0/netty-resolver-4-1-119-final-sources-jar/io/netty/resolver/AddressResolverGroup.java
* /opt/cola/permits/2386693448_1741245890.1594827/0/netty-resolver-4-1-119-final-sources-jar/io/netty/resolver/SimpleNameResolver.java
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* /opt/cola/permits/2386693448_1741245890.1594827/0/netty-resolver-4-1-119-final-sources-jar/io/netty/resolver/HostsFileEntriesResolver.java
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* /opt/cola/permits/2386693448_1741245890.1594827/0/netty-resolver-4-1-119-final-sources-jar/io/netty/resolver/HostsFileEntries.java
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1.8222 netty-handler 4.1.119.Final

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* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/PemEncoded.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/PemPrivateKey.java
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* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
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* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/DelegatingSslContext.java
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* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ipfilter/IpFilterRuleType.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/JdkApplicationProtocolNegotiator.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/util/SimpleTrustManagerFactory.java
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* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/JdkDefaultApplicationProtocolNegotiator.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/JdkSslClientContext.java
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* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/JdkAlpnApplicationProtocolNegotiator.java
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* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/util/KeyManagerFactoryWrapper.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/PseudoRandomFunction.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/util/X509KeyManagerWrapper.java
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* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/util/SimpleKeyManagerFactory.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java
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* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/JdkAlpnSslUtils.java
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* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/JdkAlpnSslEngine.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/SslClientHelloHandler.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/SslCloseCompletionEvent.java
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/opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/stream/ChunkedWriteHandler.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/logging/package-info.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/timeout/WriteTimeoutHandler.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/timeout/WriteTimeoutException.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/logging/LoggingHandler.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/timeout/ReadTimeoutHandler.java
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* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/EnhancingX509ExtendedTrustManager.java
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* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/ResumableX509ExtendedTrustManager.java
*
 /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/OpenSslSession.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/ResumptionController.java
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*
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* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java
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* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/ExtendedOpenSslSession.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/OpenSslInternalSession.java
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* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/SslContextBuilder.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/ClientAuth.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java
* /opt/cola/permits/2386693412_1741245896.6170855/0/netty-handler-4-1-119-final-sources-jar/io/netty/handler/ssl/util/LazyJavaxX509Certificate.java
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* /opt/cola/permits/2386693310_1741245878.2047963/0/netty-codec-socks-4-1-119-final-sources-jar/io/netty/handler/codec/socksx/SocksMessage.java
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* /opt/cola/permits/2386693310_1741245878.2047963/0/netty-codec-socks-4-1-119-final-sources-jar/io/netty/handler/codec/socksx/v4/DefaultSocks4CommandRequest.java
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* /opt/cola/permits/2386693310_1741245878.2047963/0/netty-codec-socks-4-1-119-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthResponse.java
*
 /opt/cola/permits/2386693310_1741245878.2047963/0/netty-codec-socks-4-1-119-final-sources-jar/io/netty/handler/codec/socks/SocksAuthRequest.java
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* /opt/cola/permits/2386693310_1741245878.2047963/0/netty-codec-socks-4-1-119-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialRequestDecoder.java
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* /opt/cola/permits/2386693310_1741245878.2047963/0/netty-codec-socks-4-1-119-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandStatus.java

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/opt/cola/permits/2386693310_1741245878.2047963/0/netty-codec-socks-4-1-119-final-sources-jar/io/netty/handler/codec/socks/SocksCmdType.java
* /opt/cola/permits/2386693310_1741245878.2047963/0/netty-codec-socks-4-1-119-final-sources-jar/io/netty/handler/codec/socks/SocksSubnegotiationVersion.java
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* /opt/cola/permits/2386693310_1741245878.2047963/0/netty-codec-socks-4-1-119-final-sources-jar/io/netty/handler/codec/socks/SocksMessageType.java
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* /opt/cola/permits/2386693310_1741245878.2047963/0/netty-codec-socks-4-1-119-final-sources-jar/io/netty/handler/codec/socks/SocksRequestType.java

1.8224 netty-codec 4.1.119.Final

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/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
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* Base64 Encoder/Decoder.
*/

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*
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*/
/**
* Utility class for {@link ByteBuf} that encodes and decodes to and from
* <a href="https://en.wikipedia.org/wiki/Base64">Base64</a> notation.
* <p>
 * The encoding and decoding algorithm in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
* Base64 Encoder/Decoder</a>.
*/
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* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/BrotliEncoder.java
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* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/ZstdEncoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/ZstdOptions.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-

jar/io/netty/handler/codec/compression/BrotliDecoder.java
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* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/MessageToByteEncoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/protobuf/package-info.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/serialization/ObjectEncoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/CompressionException.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/CorruptedFrameException.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/ZlibEncoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/JdkZlibEncoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-

jar/io/netty/handler/codec/marshalling/LimitingByteInput.java
*
/opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/package-info.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/serialization/ClassResolvers.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/ReplayingDecoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/marshalling/DefaultMarshallerProvider.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/xml/package-info.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/marshalling/MarshallingEncoder.java
*
/opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/ByteToMessageDecoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/serialization/CachingClassResolver.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/FixedLengthFrameDecoder.java
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* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/DecoderException.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/DecoderResult.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/DecompressionException.java
*
/opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/base64/Base64Encoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/marshalling/ThreadLocalMarshallerProvider.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/base64/package-info.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/CodecException.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/string/package-info.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/ZlibDecoder.java
*

/opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/SnappyFrameDecoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/LengthFieldPrepender.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayDecoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/marshalling/DefaultUnmarshallerProvider.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/serialization/ClassResolver.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/PrematureChannelClosureException.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/package-info.java
*
/opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/MessageToMessageEncoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/serialization/SoftReferenceMap.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/serialization/CompactObjectInputStream.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/serialization/package-info.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/TooLongFrameException.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/Delimiters.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java
*
/opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/bytes/package-info.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/ZlibWrapper.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/serialization/ObjectDecoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/ByteToMessageCodec.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/ZlibUtil.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/MessageToMessageDecoder.java
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* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-
jar/io/netty/handler/codec/DefaultHeadersImpl.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-
jar/io/netty/handler/codec/CharSequenceValueConverter.java
*
 /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-
jar/io/netty/handler/codec/ValueConverter.java
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* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-
jar/io/netty/handler/codec/EmptyHeaders.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-
jar/io/netty/handler/codec/Headers.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-
jar/io/netty/handler/codec/DefaultHeaders.java

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* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanAllocator.java
*
 /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/Bzip2BlockDecompressor.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-

jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/LzmaFrameEncoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/Bzip2MTFAndRLE2StageEncoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/MessageAggregationException.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java
*
/opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/AsciiHeadersEncoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/json/JsonObjectDecoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/Bzip2Decoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/LzfDecoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/Bzip2BitWriter.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/Bzip2Constants.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/Crc32.java
*
/opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/Bzip2BitReader.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/Lz4Constants.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/Bzip2Encoder.java
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/opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/json/package-info.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java

* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageDecoder.java
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*
 /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/DecoderResultProvider.java
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*/
/**
* A decoder that splits the received {@link ByteBuf}s dynamically by the
* value of the length field in the message.  It is particularly useful when you
* decode a binary message which has an integer header field that represents the
* length of the message body or the whole message.
*
 <p>
* {@link LengthFieldBasedFrameDecoder} has many configuration parameters so
* that it can decode any message with a length field, which is often seen in
* proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
*
* <h3>2 bytes length field at offset 0, do not strip header</h3>
*
* The value of the length field in this example is <tt>12 (0x0C)</tt> which
* represents the length of "HELLO, WORLD".  By default, the decoder assumes
* that the length field represents the number of the bytes that follows the
* length field.  Therefore, it can be decoded with the simplistic parameter
* combination.
* <pre>
```

```
* <b>lengthFieldOffset</b>   = <b>0</b>
* <b>lengthFieldLength</b>   = <b>2</b>
* lengthAdjustment    = 0
* initialBytesToStrip = 0 (= do not strip header)
*
* BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content
 |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 0, strip header</h3>
*
* Because we can get the length of the content by calling
* {@link ByteBuf#readableBytes()}, you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>.  In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
*
* BEFORE DECODE (14 bytes)         AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +----------------+
 * </pre>
*
* <h3>2 bytes length field at offset 0, do not strip header, the length field
*     represents the length of the whole message</h3>
*
* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples.  However, in some protocols, the
* length field represents the length of the whole message, including the
* message header.  In such a case, we specify a non-zero
* <tt>lengthAdjustment</tt>.  Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.
* <pre>
* lengthFieldOffset   =  0
* lengthFieldLength   =  2
* <b>lengthAdjustment</b>    = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip =  0
```

```
*
* BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual
 Content |
* | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*
* <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>
*
* The following message is a simple variation of the first example.  An extra
* header value is prepended to the message.  <tt>lengthAdjustment</tt> is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* <pre>
* <b>lengthFieldOffset</b>   = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b>   = <b>3</b>
* lengthAdjustment    = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
* |  0xCAFE  | 0x00000C | "HELLO, WORLD" |
|  0xCAFE  | 0x00000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>
*
* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body.  You have to specify a
* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
* header into the frame length calculation.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 3
* <b>lengthAdjustment</b>    = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* |  Length  | Header 1 | Actual Content |----->|  Length  | Header 1 | Actual Content |
* | 0x00000C |  0xCAFE  | "HELLO, WORLD" |      | 0x00000C |  0xCAFE  | "HELLO,
 WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
```

```
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
*     strip the first header field and the length field</h3>
*
* This is a combination of all the examples above.  There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra
* header affects the <tt>lengthAdjustment</tt>.  We also specified a non-zero
* <tt>initialBytesToStrip</tt> to strip the length field and the prepended
* header from the frame.  If you don't want to strip the prepended header, you
* could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
* <pre>
* lengthFieldOffset   = 1 (= the length of HDR1)
* lengthFieldLength   = 2
* <b>lengthAdjustment</b>    = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 +
 LEN)
*
* BEFORE DECODE (16 bytes)                    AFTER DECODE (13 bytes)
* +------+--------+------+----------------+      +------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +------+--------+------+----------------+      +------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
*     strip the first header field and the length field, the length field
*     represents the length of the whole message</h3>
*
* Let's give another twist to the previous example.  The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
* Please note that we don't need to take the length of HDR2 into account
* because
 the length field already includes the whole header length.
* <pre>
* lengthFieldOffset   =  1
* lengthFieldLength   =  2
* <b>lengthAdjustment</b>    = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b> 3</b>
*
* BEFORE DECODE (16 bytes)                    AFTER DECODE (13 bytes)
* +------+--------+------+----------------+      +------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +------+--------+------+----------------+      +------+----------------+
* </pre>
```

* @see LengthFieldPrepender
*/

Found in path(s):
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java
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* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/Lz4XXHash32.java
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* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java

* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/ProtocolDetectionState.java
*
 /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/UnsupportedValueConverter.java
* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/HeadersUtils.java
*
 /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
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* /opt/cola/permits/2386693286_1741245873.7707708/0/netty-codec-4-1-119-final-sources-jar/io/netty/handler/codec/compression/ZstdDecoder.java

1.8225 netty-codec-dns 4.1.119.Final

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* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/TcpDnsResponseEncoder.java

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* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/TcpDnsQueryEncoder.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/TcpDnsResponseDecoder.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DnsResponseDecoder.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DnsQueryEncoder.java
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* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/AbstractDnsOptPseudoRrRecord.java
*
 /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DnsPtrRecord.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DnsOptEcsRecord.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsPtrRecord.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsOptEcsRecord.java
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* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsResponse.java
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 /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsQuery.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DnsRecord.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DnsQuestion.java
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* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DnsMessageUtil.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DnsResponse.java
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/opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsRecordDecoder.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/package-info.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DnsQuery.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/AbstractDnsRecord.java
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* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsQueryEncoder.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DnsRecordEncoder.java
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/opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DnsMessage.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsRecordEncoder.java
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* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsQueryDecoder.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/AbstractDnsMessage.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DnsRecordType.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DnsOpCode.java
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/opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DnsRawRecord.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsRawRecord.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DnsRecordDecoder.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DnsSection.java
* /opt/cola/permits/2386693454_1741245882.8952837/0/netty-codec-dns-4-1-119-final-sources-jar/io/netty/handler/codec/dns/DnsResponseCode.java

1.8226 netty-buffer 4.1.119.Final

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* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/PooledSlicedByteBuf.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/WrappedUnpooledUnsafeDirectByteBuf.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/AbstractUnpooledSlicedByteBuf.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/AbstractPooledDerivedByteBuf.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/SimpleLeakAwareCompositeByteBuf.java
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* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/UnpooledUnsafeNoCleanerDirectByteBuf.java

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* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/ByteBuf.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/SwappedByteBuf.java
*
/opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/AbstractByteBuf.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/DuplicatedByteBuf.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/Unpooled.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/PooledByteBufAllocator.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/PoolArena.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/package-info.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/PoolSubpage.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/ByteBufOutputStream.java
*
/opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/AbstractByteBufAllocator.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/UnpooledHeapByteBuf.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/PoolThreadCache.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/PooledDirectByteBuf.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/SlicedByteBuf.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/ReadOnlyByteBuf.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/PoolChunk.java
*
/opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/UnpooledByteBufAllocator.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/PooledByteBuf.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/ByteBufUtil.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-

jar/io/netty/buffer/CompositeByteBuf.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/PoolChunkList.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/UnpooledDirectByteBuf.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/ByteBufInputStream.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/UnpooledUnsafeDirectByteBuf.java
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* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/UnsafeHeapSwappedByteBuf.java
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* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/UnpooledDuplicatedByteBuf.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/PoolChunkListMetric.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/PooledUnsafeHeapByteBuf.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/UnpooledSlicedByteBuf.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/PoolChunkMetric.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-

jar/io/netty/buffer/UnsafeByteBufUtil.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/UnpooledUnsafeHeapByteBuf.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/PoolArenaMetric.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/AbstractUnsafeSwappedByteBuf.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/PoolSubpageMetric.java
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* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/AdaptivePoolingAllocator.java
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* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/search/KmpSearchProcessorFactory.java
*
 /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/search/AbstractMultiSearchProcessorFactory.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/search/MultiSearchProcessor.java
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* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/search/SearchProcessorFactory.java
* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/search/AhoCorasicSearchProcessorFactory.java
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* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/ByteBufAllocatorMetricProvider.java
*

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* /opt/cola/permits/2386693478_1741245875.5068147/0/netty-buffer-4-1-119-final-sources-jar/io/netty/buffer/SizeClassesMetric.java
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* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/concurrent/ImmediateExecutor.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/concurrent/PromiseTask.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/internal/logging/package-info.java
*
/opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/concurrent/ImmediateEventExecutor.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/concurrent/GenericProgressiveFutureListener.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/internal/RecyclableArrayList.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/concurrent/Promise.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/Version.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/concurrent/ThreadPerTaskExecutor.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/ResourceLeakException.java
*
/opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/internal/PlatformDependent0.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-

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* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/NettyRuntime.java
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 /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/DomainNameMapping.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/AsciiString.java
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*

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* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/AttributeMap.java
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/opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/internal/logging/InternalLogLevel.java
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* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/collection/ByteObjectHashMap.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/collection/CharObjectMap.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/collection/CharCollections.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/collection/ShortObjectHashMap.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/collection/LongObjectMap.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/collection/CharObjectHashMap.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/collection/ShortObjectMap.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/collection/ByteCollections.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/collection/IntObjectMap.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/collection/ShortCollections.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/collection/LongCollections.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/collection/IntCollections.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/collection/ByteObjectMap.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/internal/ObjectUtil.java
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*
 /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/internal/logging/InternalLogger.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/internal/logging/Log4JLogger.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/internal/logging/CommonsLogger.java
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* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/NetUtilInitializations.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/NetUtilSubstitutions.java
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*
 /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/internal/logging/FormattingTuple.java
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* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/concurrent/UnorderedThreadPoolEventExecutor.java
*
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* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/DomainNameMappingBuilder.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/internal/PromiseNotificationUtil.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/internal/SocketUtils.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/concurrent/OrderedEventExecutor.java
* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/concurrent/RejectedExecutionHandlers.java
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jar/io/netty/util/concurrent/EventExecutorChooserFactory.java
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* /opt/cola/permits/2386693358_1741245875.6882987/0/netty-common-4-1-119-final-sources-jar/io/netty/util/ResourceLeakTracker.java
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* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/HttpDecoderConfig.java
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* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/HttpResponseEncoder.java
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* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/multipart/AbstractMemoryHttpData.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/HttpContentEncoder.java
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jar/io/netty/handler/codec/rtsp/package-info.java
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* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/multipart/InterfaceHttpData.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/PingWebSocketFrame.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/DefaultHttpHeaders.java
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* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/multipart/HttpPostStandardRequestDecoder.java
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* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/spdy/SpdySynStreamFrame.java
*

/opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/DefaultFullHttpResponse.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyHeaders.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/ComposedLastHttpContent.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyRstStreamFrame.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/spdy/SpdyHttpDecoder.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyWindowUpdateFrame.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyDataFrame.java
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* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/FullHttpRequest.java
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* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/spdy/SpdyStreamStatus.java
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* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketScheme.java
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* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker07.java
*

/opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/CloseWebSocketFrame.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker00.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker13.java
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* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/CorruptedWebSocketFrameException.java
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* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolConfig.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolHandler.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocket00FrameDecoder.java
*
/opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionFilter.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionFilterProvider.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolConfig.java
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* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocket08FrameDecoder.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocket07FrameDecoder.java
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* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/ClientCookieEncoder.java
*
 /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/rtsp/RtspHeaderValues.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateEncoder.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/spdy/SpdyFrameEncoder.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/HttpHeaderNames.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/WebSocketClientCompressionHandler.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtensionHandshaker.java
*
 /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/HttpHeadersEncoder.java

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* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/Utf8FrameValidator.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionUtil.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateDecoder.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerFrameDeflateDecoder.java
*
/opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/spdy/SpdyProtocolException.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtensionHandler.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerFrameDeflateEncoder.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/package-info.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionData.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/rtsp/RtspHeaderNames.java
*
/opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/HttpChunkedInput.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtension.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateEncoder.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionDecoder.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/HttpMessageUtil.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionEncoder.java
*
/opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/WebSocketServerCompressionHandler.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockZlibDecoder.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockRawDecoder.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/HttpHeaderValues.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/spdy/SpdyFrameCodec.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-

jar/io/netty/handler/codec/spdy/SpdyFrameDecoderDelegate.java
*
/opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtension.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateServerExtensionHandshaker.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/HttpStatusClass.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/ServerCookieEncoder.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateClientExtensionHandshaker.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/spdy/SpdyFrameDecoder.java
*
/opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateFrameClientExtensionHandshaker.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/package-info.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateFrameServerExtensionHandshaker.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockDecoder.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateDecoder.java
* /opt/cola/permits/2386693472_1741245888.1671548/0/netty-codec-http-4-1-119-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketClientExtension.java

1.8229 netty-handler-proxy 4.1.119.Final

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* /opt/cola/permits/2386693466_1741245904.213775/0/netty-handler-proxy-4-1-119-final-sources-jar/io/netty/handler/proxy/ProxyConnectionEvent.java
* /opt/cola/permits/2386693466_1741245904.213775/0/netty-handler-proxy-4-1-119-final-sources-jar/io/netty/handler/proxy/Socks4ProxyHandler.java
* /opt/cola/permits/2386693466_1741245904.213775/0/netty-handler-proxy-4-1-119-final-sources-jar/io/netty/handler/proxy/Socks5ProxyHandler.java
* /opt/cola/permits/2386693466_1741245904.213775/0/netty-handler-proxy-4-1-119-final-sources-jar/io/netty/handler/proxy/ProxyConnectException.java
* /opt/cola/permits/2386693466_1741245904.213775/0/netty-handler-proxy-4-1-119-final-sources-jar/io/netty/handler/proxy/package-info.java
* /opt/cola/permits/2386693466_1741245904.213775/0/netty-handler-proxy-4-1-119-final-sources-jar/io/netty/handler/proxy/HttpProxyHandler.java

1.8230 x-sys 0.31.0

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1.8231 netty-resolver-dns-native-macos 4.1.119.Final

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1.8232 netty-transport-native-epoll 4.1.119.Final

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1.8233 jetty-ee10-servlet 12.0.8

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* /opt/cola/permits/2387131176_1741279453.5463185/0/jetty-ee10-servlet-12-0-8-sources-jar/org/eclipse/jetty/ee10/servlet/Invoker.java
* /opt/cola/permits/2387131176_1741279453.5463185/0/jetty-ee10-servlet-12-0-8-sources-jar/org/eclipse/jetty/ee10/servlet/ServletContextRequest.java

* /opt/cola/permits/2387131176_1741279453.5463185/0/jetty-ee10-servlet-12-0-8-sources-jar/org/eclipse/jetty/ee10/servlet/ErrorPageErrorHandler.java
* /opt/cola/permits/2387131176_1741279453.5463185/0/jetty-ee10-servlet-12-0-8-sources-jar/org/eclipse/jetty/ee10/servlet/BlockingContentProducer.java
*
/opt/cola/permits/2387131176_1741279453.5463185/0/jetty-ee10-servlet-12-0-8-sources-jar/org/eclipse/jetty/ee10/servlet/ServletMultiPartFormData.java
* /opt/cola/permits/2387131176_1741279453.5463185/0/jetty-ee10-servlet-12-0-8-sources-jar/org/eclipse/jetty/ee10/servlet/ServletTester.java
* /opt/cola/permits/2387131176_1741279453.5463185/0/jetty-ee10-servlet-12-0-8-sources-jar/org/eclipse/jetty/ee10/servlet/listener/package-info.java
* /opt/cola/permits/2387131176_1741279453.5463185/0/jetty-ee10-servlet-12-0-8-sources-jar/module-info.java
* /opt/cola/permits/2387131176_1741279453.5463185/0/jetty-ee10-servlet-12-0-8-sources-jar/org/eclipse/jetty/ee10/servlet/ServletContextResponse.java
* /opt/cola/permits/2387131176_1741279453.5463185/0/jetty-ee10-servlet-12-0-8-sources-jar/org/eclipse/jetty/ee10/servlet/ResponseWriter.java
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1.8234 jetty-session 12.0.8

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Found in path(s):
* /opt/cola/permits/2387131170_1741279450.9470193/0/jetty-session-12-0-8-sources-jar/org/eclipse/jetty/session/AbstractSessionDataStore.java
* /opt/cola/permits/2387131170_1741279450.9470193/0/jetty-session-12-0-8-sources-jar/org/eclipse/jetty/session/JDBCSessionDataStore.java
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1.8235 traceroute 2.1.6-r0

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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All
Python releases are Open Source (see https://opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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Thanks to the many outside volunteers who have worked under Guido's
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1.8240 libcxx 1.1.10.5

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```
Manifest-Version: 1.0
Bnd-LastModified: 1695799258578
Bundle-ActivationPolicy: lazy
Bundle-Activator: org.xerial.snappy.SnappyBundleActivator
Bundle-Description: snappy-java: A fast compression/decompression libr
ary
Bundle-DocURL: http://www.xerial.org/
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: snappy-java: A fast compression/decompression library
Bundle-NativeCode: org/xerial/snappy/native/Windows/x86_64/snappyjava.
dll;osname=win32;processor=x86-64,org/xerial/snappy/native/Windows/x8
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processor=x64,org/xerial/snappy/native/Linux/x86_64/libsnappyjava.so;
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libsnappyjava.so;osname=sunos;processor=sparc
Bundle-SymbolicName: org.xerial.snappy.snappy-java
Bundle-Vendor: xerial.org
Bundle-Version: 1.1.10.5
Created-By: 11.0.20 (Azul Systems, Inc.)
Export-Package: org.xerial.snappy;uses:="org.osgi.framework,org.xerial
.snappy.buffer,org.xerial.snappy.pool";version="1.1.10",org.xerial.sn
appy.buffer;version="1.1.10",org.xerial.snappy.pool;version="1.1.10"
Implementation-Title: snappy-java
Implementation-URL: https://github.com/xerial/snappy-java
Implementation-Vendor: xerial.org
Implementation-Vendor-Id: org.xerial.snappy
Implementation-Version: 1.1.10.5
Import-Package: org.osgi.framework;version="[1.5,2)"
Private-Package:
org.xerial.snappy.native.AIX.ppc,org.xerial.snappy.na
tive.AIX.ppc64,org.xerial.snappy.native.FreeBSD.x86_64,org.xerial.sna
ppy.native.Linux.aarch64,org.xerial.snappy.native.Linux.android-aarch
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e.Linux.arm,org.xerial.snappy.native.Linux.armv6,org.xerial.snappy.na
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arch64,org.xerial.snappy.native.Windows.x86,org.xerial.snappy.native.
Windows.x86_64
Require-Capability:
osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.7))"
Specification-Title: snappy-java
Specification-Vendor: xerial.org

Specification-Version: 1.1.10.5
Tool: Bnd-5.1.2.202007211702

Found in path(s):
* /opt/cola/permits/2389728833_1741611958.693199/0/snappy-java-1-1-10-5-jar/META-INF/MANIFEST.MF

1.8241 sqlite-dev 3.48.0-r0

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./configure && make
~~~

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1.8242 x-sync 0.12.0

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1.8243 failureaccess 1.0.1

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* /opt/cola/permits/2390549698_1741728755.2550845/0/failureaccess-1-0-1-sources-13-jar/com/google/common/util/concurrent/internal/InternalFutureFailureAccess.java
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1.8244 sigar 1.6.4

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Information: ftp://vic.cc.purdue.edu/pub/tools/unix/solaris/get_mib2/
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1.8249 google-api-core 2.24.2

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1.8250 proto-plus 1.26.1

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1.8251 oro 2.0.8

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* /opt/cola/permits/2391653567_1741824154.6265392/0/oro-2-0-8-sources-4-jar/org/apache/oro/text/awk/AwkMatchResult.java
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* $Id: SyntaxTree.java,v 1.8 2003/11/07 20:16:24 dfs Exp $
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* /opt/cola/permits/2391653567_1741824154.6265392/0/oro-2-0-8-sources-4-jar/examples/awk/matchesContainsExample.java
* /opt/cola/permits/2391653567_1741824154.6265392/0/oro-2-0-8-sources-4-jar/examples/matchesContainsExample.java
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```
/*
* $Id: NegativeCharacterClassNode.java,v 1.7 2003/11/07 20:16:24 dfs Exp $
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* $Id: CacheFIFO.java,v 1.7 2003/11/07 20:16:25 dfs Exp $
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* /opt/cola/permits/2391653567_1741824154.6265392/0/oro-2-0-8-sources-4-jar/examples/awk/prefixExample.java
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* $Id: streamInputExample.java,v 1.7 2003/11/07 20:16:23 dfs Exp $
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* /opt/cola/permits/2391653567_1741824154.6265392/0/oro-2-0-8-sources-4-jar/org/apache/oro/text/regex/MatchResult.java
No license file was found, but licenses were detected in source scan.

/*
* $Id: CharStringPointer.java,v 1.7 2003/11/07 20:16:25 dfs Exp $
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* /opt/cola/permits/2391653567_1741824154.6265392/0/oro-2-0-8-sources-4-jar/org/apache/oro/text/regex/CharStringPointer.java
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* $Id: MatchActionProcessor.java,v 1.10 2003/11/07 20:16:24 dfs Exp $
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* /opt/cola/permits/2391653567_1741824154.6265392/0/oro-2-0-8-sources-4-jar/org/apache/oro/text/MatchActionProcessor.java
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* $Id: Util.java,v 1.15 2003/11/07 20:16:25 dfs Exp $
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* /opt/cola/permits/2391653567_1741824154.6265392/0/oro-2-0-8-sources-4-jar/org/apache/oro/text/regex/Util.java
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/*
* $Id: GlobCompiler.java,v 1.8 2003/11/07 20:16:24 dfs Exp $
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* /opt/cola/permits/2391653567_1741824154.6265392/0/oro-2-0-8-sources-4-
jar/org/apache/oro/text/GlobCompiler.java
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* $Id: oroToApache.java,v 1.7 2003/11/07 20:16:26 dfs Exp $
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* /opt/cola/permits/2391653567_1741824154.6265392/0/oro-2-0-8-sources-4-jar/tools/oroToApache.java
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* $Id: CharacterClassNode.java,v 1.7 2003/11/07 20:16:24 dfs Exp $
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* /opt/cola/permits/2391653567_1741824154.6265392/0/oro-2-0-8-sources-4-jar/org/apache/oro/text/regex/OpCode.java
No license file was found, but licenses were detected in source scan.

```
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* $Id: didNotMatch.java,v 1.7 2003/11/07 20:16:23 dfs Exp $
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* $Id: strings.java,v 1.3 2003/08/12 18:11:30 dfs Exp $
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```
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* $Id: groups.java,v 1.8 2003/11/07 20:16:23 dfs Exp $
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```
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* $Id: CacheLRU.java,v 1.10 2003/11/07 20:16:25 dfs Exp $
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* /opt/cola/permits/2391653567_1741824154.6265392/0/oro-2-0-8-sources-4-jar/org/apache/oro/util/CacheLRU.java
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```
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* $Id: RegexFilenameFilter.java,v 1.9 2003/11/07 20:16:23 dfs Exp $
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* /opt/cola/permits/2391653567_1741824154.6265392/0/oro-2-0-8-sources-4-jar/org/apache/oro/io/RegexFilenameFilter.java
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* $Id: Perl5Matcher.java,v 1.27 2003/11/07 20:16:25 dfs Exp $
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jar/org/apache/oro/text/regex/Perl5Matcher.java
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```
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jar/org/apache/oro/text/regex/Perl5Debug.java
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* $Id: AwkMatcher.java,v 1.11 2003/11/07 20:16:24 dfs Exp $
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/**
  * Determines if the contents of a PatternMatcherInput, starting from the
  * current offset of the input contains a pattern.
  * If a pattern match is found, a MatchResult
```

```
 * instance representing the <b>first</b> such match is made acessible via
 * {@link #getMatch()}.  The current offset of the
 * PatternMatcherInput is set to the offset corresponding to the end
 * of the match, so that a subsequent call to this method will continue
 * searching where the last call left off.  You should remember that the
 * region between the begin and end offsets of the PatternMatcherInput are
 * considered the input to be searched, and that the current offset
 * of the PatternMatcherInput reflects where a search will start from.
 * Matches extending beyond the end offset of the PatternMatcherInput
 * will not be matched.  In other words, a match must occur entirely
 * between the begin and end offsets of the input.  See
 * {@link org.apache.oro.text.regex.PatternMatcherInput PatternMatcherInput}
 * for more details.
 * <p>
 * As a side effect, if a match is found, the PatternMatcherInput match
 * offset information is updated.  See
the PatternMatcherInput
 * {@link org.apache.oro.text.regex.PatternMatcherInput#setMatchOffsets
 * setMatchOffsets(int, int)} method for more details.
 * <p>
 * The pattern must be an AwkPattern instance, otherwise a
 * ClassCastException will be thrown.  You are not required to, and
 * indeed should NOT try to (for performance reasons), catch a
 * ClassCastException because it will never be thrown as long as you use
 * an AwkPattern as the pattern parameter.
 * <p>
 * This method is usually used in a loop as follows:
 * <blockquote><pre>
 * PatternMatcher matcher;
 * PatternCompiler compiler;
 * Pattern pattern;
 * PatternMatcherInput input;
 * MatchResult result;
 *
 * compiler = new AwkCompiler();
 * matcher  = new AwkMatcher();
 *
 * try {
 *   pattern = compiler.compile(somePatternString);
 * } catch(MalformedPatternException e) {
 *   System.err.println("Bad pattern.");
 *   System.err.println(e.getMessage());
 *   return;
 * }
 *
 * input   = new PatternMatcherInput(someStringInput);
 *
 * while(matcher.contains(input, pattern)) {
```

```
 *   result = matcher.getMatch();
 *   // Perform whatever processing on the result you want.
 * }
 *
 * </pre></blockquote>
 * <p>
 * @param input  The PatternMatcherInput to test for a match.
 * @param pattern  The Pattern to be matched.
 * @return True if the input contains a pattern match, false otherwise.
 * @exception ClassCastException If a Pattern instance other than an
 *         AwkPattern is passed as the pattern parameter.
 */
```

Found in path(s):
* /opt/cola/permits/2391653567_1741824154.6265392/0/oro-2-0-8-sources-4-jar/org/apache/oro/text/awk/AwkMatcher.java
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* $Id: substituteExample.java,v 1.9 2003/11/07 20:16:23 dfs Exp $
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* /opt/cola/permits/2391653567_1741824154.6265392/0/oro-2-0-8-sources-4-jar/org/apache/oro/text/regex/Perl5Substitution.java
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```
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* $Id: MalformedPerl5PatternException.java,v 1.7 2003/11/07 20:16:25 dfs Exp $
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```
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* $Id: AwkCompiler.java,v 1.10 2003/11/07 20:16:24 dfs Exp $
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```
/*
* $Id: GenericCache.java,v 1.8 2003/11/07 20:16:25 dfs Exp $
```

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* $Id: MatchActionInfo.java,v 1.8 2003/11/07 20:16:24 dfs Exp $
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jar/org/apache/oro/text/MatchActionInfo.java
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* $Id: Perl5FilenameFilter.java,v 1.7 2003/11/07 20:16:23 dfs Exp $
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1.8252 slf4j 2.0.17

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1.8253 jtds 1.3.1

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* /opt/cola/permits/2391940955_1741842540.4686565/0/jtds-1-3-1-sources-4-jar/net/sourceforge/jtds/jdbc/JtdsDatabaseMetaData.java
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/opt/cola/permits/2391940955_1741842540.4686565/0/jtds-1-3-1-sources-4-jar/net/sourceforge/jtds/jdbc/SharedLocalNamedPipe.java
* /opt/cola/permits/2391940955_1741842540.4686565/0/jtds-1-3-1-sources-4-jar/net/sourceforge/jtds/jdbc/JtdsResultSetMetaData.java
* /opt/cola/permits/2391940955_1741842540.4686565/0/jtds-1-3-1-sources-4-jar/net/sourceforge/jtds/jdbc/NtlmAuth.java
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* /opt/cola/permits/2391940955_1741842540.4686565/0/jtds-1-3-1-sources-4-jar/net/sourceforge/jtds/jdbcx/proxy/PreparedStatementProxy.java
* /opt/cola/permits/2391940955_1741842540.4686565/0/jtds-1-3-1-sources-4-jar/net/sourceforge/jtds/jdbc/BlobImpl.java
* /opt/cola/permits/2391940955_1741842540.4686565/0/jtds-1-3-1-sources-4-

jar/net/sourceforge/jtds/jdbc/MSSqlServerInfo.java
*
/opt/cola/permits/2391940955_1741842540.4686565/0/jtds-1-3-1-sources-4-
jar/net/sourceforge/jtds/jdbc/JtdsResultSet.java
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1.8254 attrs 25.3.0

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1.8255 github.com/vbauerster/mpb/v8 8.7.5

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package spec

import (
 "encoding/json"

 "github.com/go-openapi/swag"
)

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
```

```
 LicenseProps
 VendorExtensible
}

// LicenseProps holds the properties of a License object
type LicenseProps struct {
 Name string `json:"name,omitempty"`
 URL  string `json:"url,omitempty"`
}

// UnmarshalJSON
 hydrates License from json
func (l *License) UnmarshalJSON(data []byte) error {
 if err := json.Unmarshal(data, &l.LicenseProps); err != nil {
  return err
 }
 return json.Unmarshal(data, &l.VendorExtensible)
}

// MarshalJSON produces License as json
func (l License) MarshalJSON() ([]byte, error) {
 b1, err := json.Marshal(l.LicenseProps)
 if err != nil {
  return nil, err
 }
 b2, err := json.Marshal(l.VendorExtensible)
 if err != nil {
  return nil, err
 }
 return swag.ConcatJSON(b1, b2), nil
}
```

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Contributing

When contributing to this repository, please first discuss the change you wish
to make via an [issue](https://github.com/sigstore/rekor/issues).

Pull Request Process

1. Create an [issue](https://github.com/sigstore/rekor/issues)
  outlining the fix or feature.

2. Fork the rekor repository to your own github account and clone it locally.
3. Hack on your changes.
4. Update the README.md with details of changes to any interface, this includes new environment variables, exposed ports, useful file locations, CLI parameters and new or changed configuration values.
5. Correctly format your commit message see [Commit Messages](#Commit Message Guidelines) below.
6. Ensure that CI passes, if it fails, fix the failures.
7. Every pull request requires a review from the [core rekor team](https://github.com/orgs/github.com/sigstore/teams/core-team) before merging.
8. If your pull request consists of more than one commit, please squash your commits as described in [Squash Commits](#Squash Commits)

Commit Message Guidelines

We follow the commit formatting recommendations found on [Chris Beams' How to Write a Git Commit Message article]((https://chris.beams.io/posts/git-commit/).

Well formed commit messages not only help reviewers understand the nature of the Pull Request, but also assists the release process where commit messages are used to generate release notes.

A good example of a commit message would be as follows:

```
Summarize changes in around 50 characters or less

More detailed explanatory text, if necessary. Wrap it to about 72
characters or so. In some contexts, the first line is treated as the
subject of the commit and the rest of the text as the body. The
blank line separating the summary from the body is critical (unless
you omit the body entirely); various tools like `log`, `shortlog`
and `rebase` can get confused if you run the two together.

Explain the problem that this commit is solving. Focus on why you
are making this
 change as opposed to how (the code explains that).
Are there side effects or other unintuitive consequences of this
change? Here's the place to explain them.

Further paragraphs come after blank lines.

- Bullet points are okay, too

- Typically a hyphen or asterisk is used for the bullet, preceded
  by a single space, with blank lines in between, but conventions
```

vary here

If you use an issue tracker, put references to them at the bottom,
like this:

Resolves: #123
See also: #456, #789
```

Note the `Resolves #123` tag, this references the issue raised and allows us to
ensure issues are associated and closed when a pull request is merged.

Please refer to [the github help page on message types](https://help.github.com/articles/closing-issues-using-keywords/)
for a complete list of issue references.

## Squash Commits

Should your pull request consist of more than one commit (perhaps due to
a change being requested during the review cycle), please perform a git squash
once a reviewer
has approved your pull request.

A squash can be performed as follows. Let's say you have the following commits:

```
initial commit
second commit
final commit
```

Run the command below with the number set to the total commits you wish to
squash (in our case 3 commits):

```
git rebase -i HEAD~3
```

You default text editor will then open up and you will see the following::

```
pick eb36612 initial commit
pick 9ac8968 second commit
pick a760569 final commit

# Rebase eb1429f..a760569 onto eb1429f (3 commands)
```

We want to rebase on top of our first commit, so we change the other two commits
to `squash`:

```
pick eb36612 initial commit
squash 9ac8968 second commit
squash a760569 final commit
```
```

After this, should you wish to update your commit message to better summarise
all of your pull request, run:

```
git commit --amend
```

You will then need to force push (assuming your initial commit(s) were posted
to github):

```
git push origin your-branch --force
```

Alternatively,
a core member can squash your commits within Github.
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to make via an [issue](https://github.com/sigstore/rekor/issues).

Pull Request Process

1. Create an [issue](https://github.com/sigstore/rekor/issues)
  outlining the fix or feature.
2. Fork the rekor repository to your own github account and clone it locally.
3. Hack on your changes.
4. Update the README.md with details of changes to any interface, this includes new environment
  variables, exposed ports, useful file locations, CLI parameters and
  new or changed configuration values.
5. Correctly format your commit message see [Commit Messages](#Commit Message Guidelines)
  below.
6. Ensure that CI passes, if it fails, fix the failures.
7. Every pull request requires a review from the [core rekor
team](https://github.com/orgs/github.com/sigstore/teams/core-team)
  before merging.
8. If your pull request consists of more than one commit, please squash your
  commits as described in
 [Squash Commits](#Squash Commits)

Commit Message Guidelines

We follow the commit formatting recommendations found on [Chris Beams' How to Write a Git Commit Message article]((https://chris.beams.io/posts/git-commit/).

Well formed commit messages not only help reviewers understand the nature of
the Pull Request, but also assists the release process where commit messages
are used to generate release notes.

A good example of a commit message would be as follows:

```
Summarize changes in around 50 characters or less

More detailed explanatory text, if necessary. Wrap it to about 72
characters or so. In some contexts, the first line is treated as the
subject of the commit and the rest of the text as the body. The
blank line separating the summary from the body is critical (unless
you omit the body entirely); various tools like `log`, `shortlog`
and `rebase` can get confused if you run the two together.

Explain the problem that this commit is solving. Focus on why you
are making this
 change as opposed to how (the code explains that).
Are there side effects or other unintuitive consequences of this
change? Here's the place to explain them.

Further paragraphs come after blank lines.

- Bullet points are okay, too

- Typically a hyphen or asterisk is used for the bullet, preceded
  by a single space, with blank lines in between, but conventions
  vary here

If you use an issue tracker, put references to them at the bottom,
like this:

Resolves: #123
See also: #456, #789
```

Note the `Resolves #123` tag, this references the issue raised and allows us to
ensure issues are associated and closed when a pull request is merged.

Please refer to [the github help page on message types](https://help.github.com/articles/closing-issues-using-keywords/)
for a complete list of issue references.

Squash Commits

Should your pull request consist of more than one commit (perhaps due to
a change being requested during the review cycle), please perform a git squash
once a reviewer
has approved your pull request.

A squash can be performed as follows. Let's say you have the following commits:

```
initial commit
second commit
final commit
```

Run the command below with the number set to the total commits you wish to
squash (in our case 3 commits):

```
git rebase -i HEAD~3
```

You default text editor will then open up and you will see the following::

```
pick eb36612 initial commit
pick 9ac8968 second commit
pick a760569 final commit

# Rebase eb1429f..a760569 onto eb1429f (3 commands)
```

We want to rebase on top of our first commit, so we change the other two commits
to `squash`:

```
pick eb36612 initial commit
squash 9ac8968 second commit
squash a760569 final commit
```

After this, should you wish to update your commit message to better summarise
all of your pull request, run:

```
git commit --amend
```

You will then need to force push (assuming your initial commit(s) were posted
to github):

```
git push origin your-branch --force
```

Alternatively,
a core member can squash your commits within Github.
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package spec

import (
 "encoding/json"

 "github.com/go-openapi/swag"
)

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 LicenseProps
 VendorExtensible
}

// LicenseProps holds the properties of a License object
type LicenseProps struct {
 Name string `json:"name,omitempty"`
 URL  string `json:"url,omitempty"`
}

// UnmarshalJSON
 hydrates License from json
func (l *License) UnmarshalJSON(data []byte) error {
 if err := json.Unmarshal(data, &l.LicenseProps); err != nil {
  return err
 }
 return json.Unmarshal(data, &l.VendorExtensible)
}

// MarshalJSON produces License as json
func (l License) MarshalJSON() ([]byte, error) {
 b1, err := json.Marshal(l.LicenseProps)
 if err != nil {
  return nil, err
 }
 b2, err := json.Marshal(l.VendorExtensible)
```

```
 if err != nil {
  return nil, err
 }
 return swag.ConcatJSON(b1, b2), nil
}
```

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package spec

import (
 "encoding/json"

 "github.com/go-openapi/swag"
)

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 LicenseProps
 VendorExtensible
}

// LicenseProps holds the properties of a License object
type LicenseProps struct {
 Name string `json:"name,omitempty"`
```

```
 URL  string `json:"url,omitempty"`
}

// UnmarshalJSON
 hydrates License from json
func (l *License) UnmarshalJSON(data []byte) error {
 if err := json.Unmarshal(data, &l.LicenseProps); err != nil {
  return err
 }
 return json.Unmarshal(data, &l.VendorExtensible)
}

// MarshalJSON produces License as json
func (l License) MarshalJSON() ([]byte, error) {
 b1, err := json.Marshal(l.LicenseProps)
 if err != nil {
  return nil, err
 }
 b2, err := json.Marshal(l.VendorExtensible)
 if err != nil {
  return nil, err
 }
 return swag.ConcatJSON(b1, b2), nil
}
```

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Contributing

When contributing to this repository, please first discuss the change you wish
to make via an [issue](https://github.com/sigstore/rekor/issues).

Pull Request Process

1. Create an [issue](https://github.com/sigstore/rekor/issues)
  outlining the fix or feature.
2. Fork the rekor repository to your own github account and clone it locally.
3. Hack on your changes.
4. Update the README.md with details of changes to any interface, this includes new environment
  variables, exposed ports, useful file locations, CLI parameters and
  new or changed configuration values.
5. Correctly format your commit message see [Commit Messages](#Commit Message Guidelines)
  below.
6. Ensure that CI passes, if it fails, fix the failures.
7. Every pull request requires a review from the [core rekor
team](https://github.com/orgs/github.com/sigstore/teams/core-team)
  before merging.
8. If your pull request consists of more than one commit, please squash your
  commits as described in
 [Squash Commits](#Squash Commits)

Commit Message Guidelines

We follow the commit formatting recommendations found on [Chris Beams' How to Write a Git Commit Message
article]((https://chris.beams.io/posts/git-commit/).

Well formed commit messages not only help reviewers understand the nature of the Pull Request, but also assists the release process where commit messages are used to generate release notes.

A good example of a commit message would be as follows:

```
Summarize changes in around 50 characters or less

More detailed explanatory text, if necessary. Wrap it to about 72
characters or so. In some contexts, the first line is treated as the
subject of the commit and the rest of the text as the body. The
blank line separating the summary from the body is critical (unless
you omit the body entirely); various tools like `log`, `shortlog`
and `rebase` can get confused if you run the two together.

Explain the problem that this commit is solving. Focus on why you
are making this
 change as opposed to how (the code explains that).
Are there side effects or other unintuitive consequences of this
change? Here's the place to explain them.

Further paragraphs come after blank lines.

- Bullet points are okay, too

- Typically a hyphen or asterisk is used for the bullet, preceded
  by a single space, with blank lines in between, but conventions
  vary here

If you use an issue tracker, put references to them at the bottom,
like this:

Resolves: #123
See also: #456, #789
```

Note the `Resolves #123` tag, this references the issue raised and allows us to ensure issues are associated and closed when a pull request is merged.

Please refer to [the github help page on message types](https://help.github.com/articles/closing-issues-using-keywords/)
for a complete list of issue references.

Squash Commits

Should your pull request consist of more than one commit (perhaps due to

a change being requested during the review cycle), please perform a git squash once a reviewer
has approved your pull request.

A squash can be performed as follows. Let's say you have the following commits:

```
initial commit
second commit
final commit
```

Run the command below with the number set to the total commits you wish to squash (in our case 3 commits):

```
git rebase -i HEAD~3
```

You default text editor will then open up and you will see the following::

```
pick eb36612 initial commit
pick 9ac8968 second commit
pick a760569 final commit

# Rebase eb1429f..a760569 onto eb1429f (3 commands)
```

We want to rebase on top of our first commit, so we change the other two commits to `squash`:

```
pick eb36612 initial commit
squash 9ac8968 second commit
squash a760569 final commit
```

After this, should you wish to update your commit message to better summarise all of your pull request, run:

```
git commit --amend
```

You will then need to force push (assuming your initial commit(s) were posted to github):

```
git push origin your-branch --force
```

Alternatively,
a core member can squash your commits within Github.
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1.8261

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1.8263 grpc-gateway 2.26.3

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1.8264 genproto-googleapis-rpc 0.0.0-20250303144028-a0af3efb3deb

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1.8265 google-golang-org-genproto-googleapis-api 0.0.0-20250303144028-a0af3efb3deb

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1.8266 github.com/grpc-ecosystem/grpc-gateway/v2 2.26.3

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1.8267 x-crypto 0.36.0

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1.8268 jackson 2.18.3

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been in development since 2007.
It is currently developed by a community of developers.

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1.8276 numpy 2.2.4

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Files: numpy.libs/libgfortran*.so
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Availability: https://gcc.gnu.org/git/?p=gcc.git;a=tree;f=libquadmath
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Files: numpy/.dylibs/libscipy_openblas*.so
Description: bundled in OpenBLAS
Availability: https://github.com/OpenMathLib/OpenBLAS/
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Name: GCC runtime library

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Description: dynamically linked to files compiled with gcc
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project('bar', 'c', license: 'Apache-2.0')

```
executable('bar', 'bar.c')

license = meson.project_license()[0]
if license != 'Apache-2.0'
  error('The license should be Apache-2.0, but it is: ' + license)
endif
```

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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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A. HISTORY OF THE SOFTWARE
==========

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope

Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
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2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above				
2.1.1		2001-now	PSF	yes

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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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Schemas for Java EE Deployment Descriptors:
- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
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may be obtained from:
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org.apache.tomcat.util.json.JSONParser.jj is
 a public domain javacc grammar
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The original XML Schemas for Java EE Deployment Descriptors:
- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
 - javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd

- web-fragment_4_0.xsd

may be obtained from:
http://www.oracle.com/webfolder/technetwork/jsc/xml/ns/javaee/index.html

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1.8285 platformdirs 4.3.7

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"Licensee" shall mean the individual or legal entity that is party to this Agreement.

"Licensee's Records" shall mean books and records that contain information bearing on Licensee's compliance with this Agreement, Licensee's use of Open Source Qt and/or the payments due to The Qt Company under this Agreement, including, but not limited to user information, assembly logs, sales records and distribution records.

"Modified Software" shall have the meaning as set forth in Section 2.3.

"Online Services" shall mean any services or access to systems made available by The Qt Company to the Licensee over the Internet relating to the Licensed Software or for the purpose

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Code" shall have the meaning as set forth in Section 4.

"Prohibited Combination" shall mean any effort to use, combine, incorporate,
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software.

"Purchase Order" shall have the meaning as set forth in Section 10.2.

"QA Tools" shall mean software libraries and tools as defined in Appendix 1
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"Qt Software" shall mean the software libraries and tools of The Qt Company,
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"Redistributables" shall mean the portions of the Licensed Software set forth
in Appendix 1 that may be distributed pursuant to the terms of this Agreement
in object code form only, including any relevant documentation. Where relevant,
any reference to Licensed Software in this Agreement shall include and refer
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to Redistributables.

"Renewal Term" shall mean an extension of previous Development License Term as
agreed between the Parties.

"Submitted Modified Software" shall have the meaning as set forth in Section
2.3.

"Support" shall mean standard developer support that is provided by The Qt Company to assist Designated Users in using the Licensed Software in accordance with this Agreement and the Support Terms.

"Support Terms" shall mean The Qt Company's standard support terms specified in Appendix 9 hereto.

"Taxes" shall have the meaning set forth in Section 10.5.

"The Qt Company" shall mean:

(i) in the event Licensee is an individual residing in the United States or a legal entity incorporated in the United States or having its headquarters in the United States, The Qt Company Inc., a Delaware corporation with its office at 3031 Tisch Way, 110 Plaza West, San Jose, CA 95128, USA.; or

(ii) in the event the Licensee is an individual residing outside of the United States or a legal entity incorporated outside of the United States or having its registered office outside of the United States, The Qt Company Ltd., a Finnish company with its registered office at Miestentie 7, 02150 Espoo, Finland.

"Third-Party Software" shall have the meaning set forth in Section 4.

"Updates" shall mean a release or version of the Licensed Software containing bug fixes, error corrections and other changes that are generally made available to users of the Licensed Software that have contracted for Support. Updates are generally depicted as a change to the digits following the decimal in the Licensed Software version number. The Qt Company shall make Updates available to the Licensee under the Support. Updates shall be considered as part of the Licensed Software hereunder.

"Upgrades" shall mean a release or version of the Licensed Software containing enhancements and new features and are generally depicted as a change to the first digit of the Licensed Software version number. In the event Upgrades are provided to the Licensee under this Agreement, they shall be considered as part of the Licensed Software hereunder.

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Upon expiry of the initially agreed Development License Term, the respective Development License Term shall be automatically extended to one or more Renewal Term(s), unless and until either Party notifies the other Party in writing, or any other method acceptable to The Qt Company (it being specifically acknowledged and understood that verbal notification is explicitly deemed inadequate in all circumstances), that it does not wish to continue the Development License Term, such notification to be provided to the other Party no less than thirty (30) days before expiry of the respective Development License Term. The Qt Company shall, in good time before the due date for the above notification, remind the Licensee on the coming Renewal Term. Unless otherwise agreed between the Parties, Renewal Term shall be 12 months.

Any such Renewal Term shall be subject to License Fees agreed between the Parties or, if no advance agreement exists, subject to The Qt Company's standard list pricing applicable at the commencement date of any such Renewal Term.

The Qt Company may either request the Licensee to place a purchase order corresponding to a quote by The Qt Company, or use Licensee's stored Credit Card information in the Qt Account to automatically charge the Licensee for the relevant Renewal Term.

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Subject to the terms of this Agreement, The Qt Company grants to Licensee a worldwide, non-exclusive, non-transferable, revocable (for cause pursuant to

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Right to distribute the Redistributables as part of an Application as provided herein is not royalty-bearing but is conditional upon the Application having been created, updated and maintained under a valid and duly paid Development Licenses.

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The licenses granted above in this Section 3 by The Qt Company to Licensee are conditional and subject to Licensee's compliance with the following terms:

(i) Licensee acknowledges that The Qt Company has separate products of Licensed Software for the purpose of Applications and Devices respectively, where development and distribution of Devices is only allowed using the correct designated product. Licensee shall make sure and bear the burden of proof that Licensee is using a correct product of Licensed Software entitling Licensee to development and distribution of Devices;

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Term, such notification to be provided to the other Party
no less than thirty (30) days before expiry of the respective Development License Term. The Qt Company shall, in good time before the due date for the above notification, remind the Licensee on the coming Renewal Term. Unless otherwise agreed between the Parties, Renewal Term shall be 12 months.

Any such Renewal Term shall be subject to License Fees agreed between the Parties or, if no advance agreement exists, subject to The Qt Company's standard list pricing applicable at the commencement date of any such Renewal Term.

3.6 Evaluation License

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THE PROVISIONS OF THIS SECTION 7 ALLOCATE THE RISKS UNDER THIS AGREEMENT BETWEEN THE QT COMPANY AND LICENSEE AND THE PARTIES HAVE RELIED UPON THE LIMITATIONS SET FORTH HEREIN IN DETERMINING WHETHER TO ENTER INTO THIS AGREEMENT.

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Upon due payment of the agreed License Fees the Licensee
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From time to time The Qt Company may change the Support Terms, provided that during the respective ongoing Support period the level of Support may not be reduced without the consent of the Licensee.

Unless otherwise agreed, The Qt Company shall not be responsible for providing any service or support to Customers.

9. CONFIDENTIALITY

Each Party acknowledges that during the Agreement Term each Party may receive information about the other Party's business, business methods, business plans, customers, business
relations, technology, and other information, including the
terms of this Agreement, that is confidential and of great value to the other Party, and the value of which would be significantly reduced if disclosed to

third parties ("Confidential Information"). Accordingly, when a Party (the "Receiving Party") receives Confidential Information from the other Party (the "Disclosing Party"), the Receiving Party shall only disclose such information to employees and Contractors on a need to know basis, and shall cause its employees and employees of its Affiliates to: (i) maintain any and all Confidential Information in confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each Party shall take reasonable measures to protect the Confidential Information of the other Party, which measures shall not be less than the measures taken by such Party to protect its own confidential and proprietary information.

Obligation of confidentiality shall not apply to information that (i) is or becomes generally known to the public through no act or omission of the Receiving Party; (ii) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (iii) is developed independently by employees or Contractors of the Receiving Party or other persons working for the Receiving Party who have not had access to the Confidential Information of the Disclosing Party, as proven by the written records of the Receiving Party; (iv) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (v) the Receiving Party is legally compelled to disclose, in which case the Receiving Party shall notify the Disclosing Party of such compelled disclosure and assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to limit the scope of disclosure and the dissemination of disclosed Confidential Information to the minimum extent necessary.

The obligations under this Section 9 shall continue to remain in force for a period of five (5) years after the last disclosure, and, with respect to trade secrets, for so long as such trade secrets are protected under applicable trade secret laws.

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Unless expressly otherwise agreed, any price or other term quoted to the Licensee or specified herein shall only be valid for the thirty (30) days from the effective date of this Agreement, Appendix 2 or the date of the quote, as applicable.

Licensee shall submit all purchase orders for Development Licenses and Distribution Licenses to The Qt Company by email or any other method acceptable to The Qt Company (each such order is referred to herein as a "Purchase Order") for confirmation, whereupon the Purchase Order shall become binding between the Parties.

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10.4. Payment Terms

License Fees and any other charges under this Agreement shall be paid by Licensee no later than thirty (30) days from the date of the applicable invoice from The Qt Company.

The Qt Company will submit an invoice to Licensee after the date of this Agreement and/or after The Qt Company receives a Purchase Order from Licensee.

A late payment charge of the lower of (a) one percent per month; or (b) the interest rate stipulated by applicable law, shall be charged on any unpaid balances that remain past due and which have not been disputed by the Licensee in good faith.

10.5. Taxes

All License Fees and other charges payable hereunder are gross amounts but exclusive of any value added tax, use tax, sales tax, withholding tax and other taxes, duties or tariffs ("Taxes") levied directly for the sale, delivery or use of Licensed Software hereunder pursuant to any applicable law. Such applicable Taxes shall be paid by Licensee to The Qt Company, or, where applicable, in lieu of payment of such Taxes to The Qt Company, Licensee shall provide an exemption certificate to The Qt Company and any applicable authority.

11. RECORD-KEEPING AND REPORTING OBLIGATIONS; AUDIT RIGHTS

11.1. Licensee's Record-keeping

Licensee shall at all times during the Agreement Term and for a period of two (2) years thereafter maintain Licensee's Records in an accurate and up-to-date form. Licensee's Records shall be adequate to reasonably enable The Qt Company to determine Licensee's compliance with the provisions of this Agreement. The records shall conform to general good accounting practices.

Licensee shall, within thirty (30) days from receiving The Qt Company's request to that effect, deliver to The Qt Company a report based on Licensee's Records, such report to contain information, in sufficient detail, on (i) number and identity of users working with Licensed Software or Open Source Qt, (ii) copies of Redistributables distributed by Licensee during the most recent calendar quarter and/or any other term specified by The Qt Company, , and (iii) any other information pertaining to Licensee's compliance with the terms of this Agreement (like e.g. information on products and/or projects relating to use of Distribution Licenses), as The Qt Company may reasonably require from time to time.

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If an audit reveals that Licensee is using the Licensed Software beyond scope of the licenses Licensee has paid for, Licensee shall pay to The Qt Company any amounts owed for such unauthorized use within 30 days from receipt of the corresponding invoice from The Qt Company.

In addition, in the event the audit reveals a material violation of the terms of this Agreement (without limitation, either (i) underpayment of more than 10 % of License Fees or 10,000 euros (whichever is more) or (ii) distribution of products, which include or result from Prohibited Combination, shall be deemed a material violation for purposes of this section), then the Licensee shall pay The Qt Company's reasonable cost of conducting such audit.

12. TERM AND TERMINATION

12.1. Agreement Term

This Agreement shall enter into force upon due acceptance by both Parties and remain in force until terminated pursuant to the terms of this Section 12 ("Agreement Term").

12.2. Termination for breach and suspension of rights

Either Party shall have the right to terminate this Agreement upon thirty (30) days prior written notice if the other Party commits a material breach of any obligation of this Agreement and fails to remedy such breach within such notice period.

Instead of termination, The Qt Company shall have the right to suspend or withhold grants of all rights to the Licensed Software hereunder, including but not limited to the Development Licenses, Distribution License, and Support, should Licensee fail to make payment in timely fashion or otherwise violates or is reasonably suspected to violate its obligations or terms of this Agreement, and where such violation or breach is not cured within ten (10) business days following The Qt Company's written notice thereof.

12.3. Termination for insolvency

Either Party shall have the right to terminate this Agreement immediately upon

written notice in the event that the other Party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other Party.

12.4. Parties' Rights and Duties upon Termination

Upon expiry or termination of the Agreement, Licensee shall cease and shall cause all Designated Users (including those of its Affiliates' and Contractors') to cease using the Licensed Software under this Agreement. For clarity, a Development License of a Designated User or a QA Tools License, and all rights relating thereto, shall always terminate at the expiry of the respective Development License Term, even if the Agreement continues to remain in force.

Upon such termination the Licensee shall destroy or return to The Qt Company all copies of the Licensed Software and all related materials and will certify the same by Licensee's duly authorized officer to The Qt Company upon its request, provided however that Licensee may retain and exploit such copies of the Licensed Software as it may reasonably require in providing continued support to Customers.

Except when this Agreement is terminated by The Qt Company due to Licensee's material breach as set forth in Section 12.2, the Licensee may continue distribution of Applications and Devices under the terms of this Agreement despite the termination of this Agreement. In such event the terms hereof will continue to be applicable and govern any such distribution of Applications and Devices beyond the expiry or termination of this Agreement. In case of termination by The Qt Company due to Licensee's material breach, Licensee must cease any distribution of Applications and Devices at the date of termination of this Agreement.

Expiry or termination of this Agreement for any reason whatsoever shall not relieve Licensee of its obligation to pay any License Fees accrued or payable to The Qt Company prior to the effective date of termination, and Licensee pay to The Qt Company all such fees within 30 days from the effective date of termination of this Agreement.

Termination of this Agreement shall not affect any rights of Customers to continue use of Applications and Devices (and therein incorporated Redistributables).

12.5. Extension of Rights under Special Circumstances

In the event of The Qt Company choosing not to renew the Development License(s) or QA Tools Licenses, as set forth in Section 3.1 and 3.5 respectively, and where such decision of non-renewal is not due to any ongoing breach or alleged breach (as reasonably determined by The Qt Company) by Licensee of the terms of this Agreement or any applicable license terms of Open Source Qt, then all valid and affected Development Licenses and QA Tools licenses possessed by the Licensee at such date shall be extended to be valid in perpetuity under the terms of this Agreement and Licensee is entitled to purchase additional licenses as set forth in Section
10.2.

In the event The Qt Company is declared bankrupt under a final, non-cancellable decision by relevant court of law, and this Agreement is not, at the date of expiry of the Development License(s) or QA Tools Licenses, assigned to party, who has assumed The Qt Company's position as a legitimate licensor of Licensed Software under this Agreement, then all valid Development Licenses and QA Tools Licenses possessed by the Licensee at such date of expiry, and which the Licensee has not notified for expiry, shall be extended to be valid in perpetuity under the terms of this Agreement.

For clarity, in case of an extension under this Section 12.5, any such extension shall not apply to The Qt Company's Support obligations, but Support shall be provided only up until the end of the respective fixed Development License Term regardless of the extension of relevant Development License or QA Tools License, unless otherwise agreed between the Parties.

13. GOVERNING LAW AND LEGAL VENUE

In the
event this Agreement is in the name of The Qt Company Inc., a Delaware Corporation, then:

(i) this Agreement shall be construed and interpreted in accordance with the laws of the State of California, USA, excluding its choice of law provisions;

(ii) the United Nations Convention on Contracts for the International Sale of Goods will not apply to this Agreement; and

(iii) any dispute, claim or controversy arising out of or relating to this Agreement or the breach, termination, enforcement, interpretation or validity thereof, including the determination of the scope or applicability of this Agreement to arbitrate, shall be determined by arbitration in San Francisco, USA, before one arbitrator. The arbitration shall be administered by JAMS pursuant to JAMS' Streamlined Arbitration Rules and Procedures. Judgment on the Award may be entered in any court having jurisdiction. This Section shall not preclude parties from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction.

In the event this Agreement is in the name of The Qt Company Ltd., a Finnish Company, then:

(i) this Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions;

(ii) the United Nations Convention on Contracts for the International Sale of Goods will not apply to this Agreement; and

(iii) any disputes, controversy or claim arising out of or relating to this Agreement, or the breach, termination or validity thereof shall be finally settled by arbitration in accordance with the Arbitration Rules of International Chamber of Commerce. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction.

The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language. This Section shall not preclude parties from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction.

14. GENERAL PROVISIONS

14.1. No Assignment

Except in the case of a merger or sale of substantially all of its corporate assets, Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of The Qt Company, which shall not be unreasonably withheld or delayed. The Qt Company shall be entitled to freely assign or transfer any of its rights, benefits or obligations under this Agreement.

14.2. No Third-Party Representations

Licensee shall make no representations or warranties concerning the Licensed Software on behalf of The Qt Company. Any representation or warranty Licensee makes or purports to make on The Qt Company's behalf shall be void as to The Qt Company.

14.3. Surviving Sections

Any terms and conditions that by their nature or otherwise reasonably should survive termination of this Agreement shall so be deemed to survive. Such sections include especially the following: 1, 2, 6, 7, 9, 11, 12.4, 13 and 14.

14.4. Entire Agreement

This Agreement, the Appendices hereto, the License Certificate and any applicable quote and Purchase Order accepted by The Qt Company constitute the

complete agreement between the Parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein.

In the event of any conflict or inconsistency between this Agreement and any Purchase Order, the terms of this Agreement will prevail over the terms of the Purchase Order with respect to such conflict or inconsistency.

Parties specifically acknowledge and agree that this Agreement prevails over any click-to-accept
or similar agreements the Designated Users may need to
accept online upon download of the Licensed Software, as may be required by The Qt Company's applicable processes relating to Licensed Software.

14.5. Modifications

No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each Party. No term or condition contained in Licensee's Purchase Order ("Deviating Terms") shall apply unless The Qt Company has expressly agreed such Deviating Terms in writing. Unless and to the extent expressly agreed by The Qt Company, any such Deviating Terms shall be deemed void and with no legal effect. For clarity, delivery of the Licensed Software following the receipt of the Purchase Order including Deviating Terms shall not constitute acceptance of such Deviating Terms.

14.6. Force Majeure

Except for the payment obligations hereunder, neither Party shall be liable to the other for any delay or non-performance of its obligations
hereunder in the
event and to the extent that such delay or non-performance is due to an event of act of God, terrorist attack or other similar unforeseeable catastrophic event that prevents either Party for fulfilling its obligations under this Agreement and which such Party cannot avoid or circumvent ("Force Majeure Event"). If the Force Majeure Event results in a delay or non-performance of a Party for a period of three (3) months or longer, then either Party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other Party.

14.7. Notices

Any notice given by one Party to the other shall be deemed properly given and deemed received if specifically acknowledged by the receiving Party in writing or when successfully delivered to the recipient by hand, fax, or special courier during normal business hours on a business day to the addresses specified

for each Party on the signature page. Each communication and document made or delivered by one Party to the other Party pursuant to this Agreement shall be in the English language.

14.8. Export Control

Licensee acknowledges that the Redistributables, as incorporated in Applications or Devices, may be subject to export control restrictions under the applicable laws of respective countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all laws and regulations relating to the Redistributables and exercise of licenses hereunder and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Redistributables, Applications and/or Devices.

14.9. No Implied License

There are no implied licenses or other implied rights granted under this Agreement, and all rights, save for those expressly granted hereunder, shall remain with The Qt Company and its licensors. In addition, no licenses or immunities are granted to the combination of the Licensed Software with any other software or hardware not delivered by The Qt Company under this Agreement.

14.10. Attorney Fees

The prevailing Party in any action to enforce this Agreement shall be entitled to recover its attorney's fees and costs in connection with such action, as to be ordered by the relevant dispute resolution body.

14.11. Privacy

Licensee acknowledges and agrees that for the purpose of this Agreement, The Qt Company may collect, use, transfer and disclose personal data pertaining to Designated Users as well as any other employees and directors of the Licensee and its Contractors relevant for carrying out the intent of this Agreement. Such personal data will be primarily collected from the relevant individuals but may be collected also from Licensee (e.g. in the course of Licensee's reporting obligations). The Parties acknowledge that as The Qt Company determines the purpose and means for such collection and processing of the applicable personal data, The Qt Company shall be regarded as the Data Controller under the applicable Data Protection Legislation.
The Qt Company shall process any such personal data in accordance with its privacy and security policies and practices, which will comply with all applicable requirements of the Data Protection Legislation.

14.12. Severability

If any provision of this Agreement shall be adjudged by any court of competent jurisdiction to be unenforceable or invalid, that provision shall be limited or eliminated to the minimum extent necessary so that this Agreement shall otherwise remain in full force and effect and enforceable.

14.13. Marketing Rights

Parties have agreed upon Marketing Rights pursuant to Appendix 7, if any.

APPENDICES

The Agreement includes following Appendices 1-10, as applicable.

- Appendix 1: Licensed Software details
- Appendix 2: Pricing
- Appendix 3: Add-on Software details (optional)
- Appendix 4: Small business and startup Licenses (optional)
- Appendix 5: Non-commercial and educational Licenses (optional)
- Appendix 6: License Reporting (optional)
- Appendix 7: Marketing Rights (optional)
- Appendix 8: Intentionally left blank (optional)
- Appendix 9: Support Terms
- Appendix 10: Conversion from legacy Licenses to Subscription (optional)
- Appendix 11: TERMS OF USE - QT INSIGHT TRACKER LIBRARY

APPENDIX 1: LICENSED SOFTWARE

The modules and/or tools that are included in the latest publicly available version of the respective product at the effective date of this Agreement- Qt for Application Development Professional (ADP), Qt for Application Development Enterprise (ADE), Qt for Device Creation Professional (DCP), Qt for Device Creation Enterprise (DCE), - are marked with "X" in the below table. The modules and tools are specific to each product version respectively and may vary from version to version. Modules and tools included in the latest publicly available version of the respective product at any given time are listed in Appendix 1 of the latest version of this Agreement available at www.qt.io/terms-conditions/. If a new version of Licensed Software does not include a module or tool present in an older version which Licensee is entitled to use under a valid license from The Qt Company, then Licensee will continue to have such right during the Term of this Agreement. In the event a new version of the Licensed Software adds modules or tools to any previous

version(s), Licensee's rights will extend to cover also such additional modules and tools.

Parts of the product that are permitted for distribution in object-code form only ("Redistributables") are marked with "R" in the below table.

Modules / Tools	ADP	ADE	DCP	DCE
Active Qt	X,R	X,R	X,R	X,R
Qt 3D	X,R	X,R	X,R	X,R
Qt 5 Core Compatibility APIs	X,R	X,R	X,R	X,R
Qt Android Extras	X,R	X,R	X,R	X,R
Qt Bluetooth	X,R	X,R	X,R	X,R
Qt Canvas 3D	X,R	X,R	X,R	X,R
Qt Charts	X,R	X,R	X,R	X,R
Qt Concurrent	X,R	X,R	X,R	X,R
Qt Core	X,R	X,R	X,R	X,R
Qt Data Visualization	X,R	X,R	X,R	X,R
Qt D-Bus	X,R	X,R	X,R	X,R
Qt for Python	X,R	X,R	X,R	X,R
Qt for WebAssembly	X,R	X,R	X,R	X,R
Qt Gamepad	X,R	X,R	X,R	X,R
Qt Graphical Effects	X,R	X,R	X,R	X,R
Qt GUI	X,R	X,R	X,R	X,R
Qt Help	X,R	X,R	X,R	X,R
Qt Image Formats	X,R	X,R	X,R	X,R

| Qt Location | X,R | X,R | X,R | X,R |
+----------+
| Qt Lottie Animation | X,R | X,R | X,R | X,R |
+----------+
| Qt Mac Extras | X,R | X,R | X,R | X,R |
+----------+
| Qt Multimedia | X,R | X,R | X,R | X,R |
+----------+
| Qt Multimedia Widgets | X,R | X,R | X,R | X,R |
+----------+
| Qt Network | X,R | X,R | X,R | X,R |
+----------+
| Qt Network Authorization | X,R | X,R | X,R | X,R |
+----------+
|
Qt NFC | X,R | X,R | X,R | X,R |
+----------+
| Qt OpenGL | X,R | X,R | X,R | X,R |
+----------+
| Qt PDF | X,R | X,R | X,R | X,R |
+----------+
| Qt Platform Headers | X,R | X,R | X,R | X,R |
+----------+
| Qt Positioning | X,R | X,R | X,R | X,R |
+----------+
| Qt Print Support | X,R | X,R | X,R | X,R |
+----------+
| Qt Purchasing | X,R | X,R | X,R | X,R |
+----------+
| Qt QML | X,R | X,R | X,R | X,R |
+----------+
|
Qt Quick | X,R | X,R | X,R | X,R |
+----------+
| Qt Quick 3D | X,R | X,R | X,R | X,R |
+----------+
| Qt Quick Controls 1 | X,R | X,R | X,R | X,R |
+----------+
| Qt Quick Controls | X,R | X,R | X,R | X,R |
+----------+
| Qt Quick Dialogs | X,R | X,R | X,R | X,R |
+----------+
| Qt Quick Extras | X,R | X,R | X,R | X,R |
+----------+
| Qt Quick Layouts | X,R | X,R | X,R | X,R |
+----------+
| Qt Quick Test | X,R | X,R | X,R | X,R |
+----------+

| Qt Quick Timeline
| X,R | X,R | X,R | X,R |
+----------+
| Qt Quick WebGL | X,R | X,R | X,R | X,R |
+----------+
| Qt Quick Widgets | X,R | X,R | X,R | X,R |
+----------+
| Qt Remote Objects | X,R | X,R | X,R | X,R |
+----------+
| Qt Script | X,R | X,R | X,R | X,R |
+----------+
| Qt Script Tools | X,R | X,R | X,R | X,R |
+----------+
| Qt SCXML | X,R | X,R | X,R | X,R |
+----------+
| Qt Sensors | X,R | X,R | X,R | X,R |
+----------+
| Qt Serial Bus | X,R |
X,R | X,R | X,R |
+----------+
| Qt Serial Port | X,R | X,R | X,R | X,R |
+----------+
| Qt Shader Tools | X,R | X,R | X,R | X,R |
+----------+
| Qt Speech | X,R | X,R | X,R | X,R |
+----------+
| Qt State Machine | X,R | X,R | X,R | X,R |
+----------+
| Qt SQL | X,R | X,R | X,R | X,R |
+----------+
| Qt SVG | X,R | X,R | X,R | X,R |
+----------+
| Qt Test | X,R | X,R | X,R | X,R |
+----------+
| Qt UI Tools | X,R | X,R | X,R | X,R |
+----------+
|
Qt Virtual Keyboard | X,R | X,R | X,R | X,R |
+----------+
| Qt Wayland Compositor | X,R | X,R | X,R | X,R |
+----------+
| Qt WebChannel | X,R | X,R | X,R | X,R |
+----------+
| Qt WebEngine | X,R | X,R | X,R | X,R |
+----------+
| Qt WebSockets | X,R | X,R | X,R | X,R |
+----------+
| Qt WebView | X,R | X,R | X,R | X,R |

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+-----------------------------------------------------------+
| Qt Widgets                    | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Windows Extras               | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
|
 Qt X11 Extras                  | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt XML                        | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt XML Patterns                 | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Designer (Qt Widget Designer) | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Linguist                   | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Assistant                  | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| lupdate                       | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| lrelease                      | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
|
 lconvert                       | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt MQTT                       |     | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt KNX                        |     | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt OPC UA                     |     | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt CoAP                       |     | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Boot 2 Qt stacks                |     |     | X,R | X,R |
+-----------------------------------------------------------+
| Qt OTA                        |     |     | X,R | X,R |
+-----------------------------------------------------------+
| Device Utilities                |     |     | X,R | X,R |
+-----------------------------------------------------------+
| Qt Debugging Bridge
 (QDB) Daemon |     |     | X,R | X,R |
+-----------------------------------------------------------+
| Qt Quick Ultralite Controls     |     |     | X,R | X,R |
+-----------------------------------------------------------+
| Qt Quick Ultralite              |     |     | X,R | X,R |
+-----------------------------------------------------------+
| Qt Safe Renderer (QSR)          |     |     |     | X,R |
+-----------------------------------------------------------+
```

```
| Qt Application Manager          |    |    |    | X,R |
+-----------------------------------------------------------+
| Qt Interface Framework          |    |    |    | X,R |
+-----------------------------------------------------------+
| Neptune Reference UI            |    |    |    | X,R |
+-----------------------------------------------------------+
| Qt for Android Automotive (QAA) |    |    |    | X,R |
+-----------------------------------------------------------+
| Qt Creator                      | X
  | X | X | X |
+-----------------------------------------------------------+
| Qt Design Studio Professional   | X | X | X | X |
+-----------------------------------------------------------+
| androiddeployqt                 | X | X | X | X |
+-----------------------------------------------------------+
| androidtestrunner               | X | X | X | X |
+-----------------------------------------------------------+
| canbusutil                      | X | X | X | X |
+-----------------------------------------------------------+
| dumpcpp                         | X | X | X | X |
+-----------------------------------------------------------+
| dumpdoc                         | X | X | X | X |
+-----------------------------------------------------------+
| fixqt4headers.pl                | X | X | X | X |
+-----------------------------------------------------------+
| idc                             | X | X | X | X |
+-----------------------------------------------------------+
|
 moc                              | X | X | X | X |
+-----------------------------------------------------------+
| pixeltool                       | X | X | X | X |
+-----------------------------------------------------------+
| qdbus                           | X | X | X | X |
+-----------------------------------------------------------+
| qdbuscpp2xml                    | X | X | X | X |
+-----------------------------------------------------------+
| qdbusviwer                      | X | X | X | X |
+-----------------------------------------------------------+
| qdbusxml2cpp                    | X | X | X | X |
+-----------------------------------------------------------+
| qdistancefieldgenerator         | X | X | X | X |
+-----------------------------------------------------------+
| qdoc                            | X | X | X | X |
+-----------------------------------------------------------+
|
 qhelpgenerator                   | X | X | X | X |
+-----------------------------------------------------------+
| qlalr                           | X | X | X | X |
```

```
+-----------------------------------------------------------+
| qmake                      | X | X | X | X |
+-----------------------------------------------------------+
| qml                        | X | X | X | X |
+-----------------------------------------------------------+
| qmlcachegen                | X | X | X | X |
+-----------------------------------------------------------+
| qmldom                     | X | X | X | X |
+-----------------------------------------------------------+
| qmleasing                  | X | X | X | X |
+-----------------------------------------------------------+
| qmlformat                  | X | X | X | X |
+-----------------------------------------------------------+
|
 qmllint                     | X | X | X | X |
+-----------------------------------------------------------+
| qmlpreview                 | X | X | X | X |
+-----------------------------------------------------------+
| qmlprofiler                | X | X | X | X |
+-----------------------------------------------------------+
| qmlscene                   | X | X | X | X |
+-----------------------------------------------------------+
| qmltestrunner              | X | X | X | X |
+-----------------------------------------------------------+
| qmltime                    | X | X | X | X |
+-----------------------------------------------------------+
| qmlviewer                  | X | X | X | X |
+-----------------------------------------------------------+
| qtdiag                     | X | X | X | X |
+-----------------------------------------------------------+
| qtpaths
                 | X | X | X | X |
+-----------------------------------------------------------+
| qtplugininfo               | X | X | X | X |
+-----------------------------------------------------------+
| qvkgen                     | X | X | X | X |
+-----------------------------------------------------------+
| rcc                        | X | X | X | X |
+-----------------------------------------------------------+
| tracegen                   | X | X | X | X |
+-----------------------------------------------------------+
| uic                        | X | X | X | X |
+-----------------------------------------------------------+
| windeployqt                | X | X | X | X |
+-----------------------------------------------------------+
| Target toolchains          |   |   | X | X |
+-----------------------------------------------------------+
| Qt Debugging Bridge Host Tools   |
```

```
   |    | X | X |
+-----------------------------------------------------------+
| qtconfig-gui                  |    |    | X | X |
+-----------------------------------------------------------+
| Qt Emulator                   |    |    | X | X |
+-----------------------------------------------------------+
| Qt Creator VxWorks plugin       |    |    | X | X |
+-----------------------------------------------------------+
| Qt Creator plugin for Qt        |    |    |    | X |
| Application Manager             |    |    |    |    |
+-----------------------------------------------------------+
| qmlinterfacegenerator           |    |    |    | X |
+-----------------------------------------------------------+
| qmltocpp                      |    |    |    | X |
+-----------------------------------------------------------+
| qulfontcompiler                 |    |    |    | X |
+-----------------------------------------------------------+
|
 Qt Deployment Server            |    |    |    | X |
+-----------------------------------------------------------+
```

Rights for Application and Device use cases

Following table summarizes the rights afforded by different products of the Licensed Software to create and distribute Applications and Devices as defined in this Agreement (X marks for rights):

```
+-----------------------------------------------------------------+
|                          | Applications |    Devices   |
+-----------------------------------------------------------------+
| ADP                      |     X      |            |
+-----------------------------------------------------------------+
| ADE                      |     X      |            |
+-----------------------------------------------------------------+
| DCP                      |     X      |     X      |
+-----------------------------------------------------------------+
| DCE                      |     X
     |     X      |
+-----------------------------------------------------------------+
```

Licensed Software: Designer tools and modules

The modules and/or tools that are included in the respective product - Qt for Design Studio Professional (DSP), Qt for Design Studio Enterprise (DSE) - are marked with "X" in the below table.

Designer tools provides no Redistributables.

	DSP	DSE
Qt Design Studio	X	X
Qt Design Bridges		X
QML Live on host	X	X
QML Live on target		X
Variant Management		X
Shader creation tools		X
Profiling tools		X
Simulink support		X

Both DSP and DSE can be used to create an user interface for use cases covered by ADP, ADE, DCP and DCE.

Licensed Software: QA Tools

The modules and/or tools that are included in the respective QA Tools product - Squish (both Tester and execution Licenses), Coco or Test Center - are marked with "X" in the below table. Optional features that will need additional licenses are marked with "O". QA Tools include no Redistributables.

	Squish	Coco	Test Center
Squish IDE	X		
QA Tool-specific command line tools	X	X	X
Coverage Browser		X	
HTML interface			X
Qt Support Module	X		
Java support module	X		

Windows support module	X			
iOS support module	X			
Android support module	X			
Web support module	X			
macOS support module	X			
VNC support module	X			
MCU support module	X			
C and C++ language module		X		
C# language module	X			
QML language module		X		
Tester Cross-Compilation Add-On	O	O		

License capabilities for Squish

License capabilities that are included in the Squish Tester and Execution Licenses are marked with "X" in the below table.

	Squish Tester License	Squish Execution License
Ability to create, edit, and debug test cas	X	
Ability to execute test cases	X	X

Install and use capabilities for QA Tools

Install and use capabilities that are included in the respective QA Tools products are defined in the below table.

	Squish Tester License	Squish Execution License	Coco License	Test Center License
Number of installation instances per license	Unlimited	Unlimited	Unlimited	One(1)
Number of concurrent users	Limited by number of Squish Tester Licenses	Limited by number of Squish Execution Licenses	Limited by number of Coco Tester Licenses	Limited by number of Test Center Licenses

APPENDIX 2: PRICING

Separate template

APPENDIX 3: ADD-ON PRODUCTS TO LICENSED SOFTWARE

Intentionally left blank.

APPENDIX 4: SMALL BUSINESS AND STARTUP

The provisions of this Appendix 4 are applicable for companies with an annual revenue, including funding, equivalent to maximum of 250,000 USD (in applicable currency) during the latest full calendar year, as evidenced by duly audited records of the Licensee and approved by The Qt Company ("Start-up Company").

Start-up Companies are qualified for a discounted License Fee for maximum of four (4) Development Licenses ("Start-up Development License") unless otherwise agreed between the parties.

Start-up Development License entitles the respective Designated User for Support only for Install Support as defined in Appendix 9, Support Terms.

Upon expiry of the respective Development License Term, the Start-up Development Licenses shall be automatically extended, pursuant to Section 3.1 of the Agreement, for a Renewal Term either as new Start-up Development Licenses (if the Licensee still qualifies as a Start-up Company), or as normal then standard list price Development Licenses (if the Licensee no longer qualifies as a Start-up Company).

APPENDIX 5: NON-COMMERCIAL AND EDUCATIONAL USE

The provisions of this Appendix 5 are applicable for non-commercial use of the Licensed Software by the Licensee.

For the purpose of this Appendix 5, the following additional definitions (replacing
the relevant definition of the Agreement, where applicable) shall be applicable:

"Demo Units" shall mean (i) hardware development platform, which incorporates the Licensed Software along with Licensee's software and/or hardware, and (ii) prototype versions of Applications or Devices.

"Designated User(s)" shall mean the employees and students of the Licensee.

"Licensee Products" shall mean Applications and/or Devices.

"Permitted Purpose" shall mean (i) Licensee's internal evaluation and testing of Licensed Software, (ii) building Demo Units as well as (iii) educational use.

"Agreement Term" shall mean a period of twelve (12) months or any such other period as may be agreed between the Parties.

For the purpose of this Appendix 5, the following changes shall be agreed with respect to relevant Sections of the Agreement:

I. Recital (A) shall be replaced in its entirety to read as follows:
"(A) Licensee wishes to use the Licensed Software for the Permitted

Purpose."

II. Section 3.1 shall be replaced in its entirety to read as follows:
"The Qt Company grants to Licensee a personal, non-exclusive, non-transferable, revocable, royalty-free license, valid for the Agreement Term, to use, modify and copy the Licensed Software solely for the Permitted Purpose. Licensee may install copies of the Licensed Software on five (5) computers per Designated User, provided that only the Designated Users who have a valid Development License may use the Licensed Software. Licensee may demonstrate the Demo Units, provided that such demonstrations must be conducted by Licensee, and the Demo Units must remain in Licensee's possession and under Licensee's control at all times.
For clarity, this Agreement does not (i) entitle Licensee to use Licensed Software to create Applications or Devices (other than prototypes thereof) or (ii) carry any distribution
rights to Licensee,
but such rights are subject to and conditional upon conclusion of a separate license agreement with The Qt Company."

III. Sections 3.2, 3.3, 3.5, 3.6, 8 and 10 shall be deleted.

IV. Section 3.4 shall be replaced in its entirety to read as follows:

"Licensee shall not:
- remove or alter any copyright, trademark or other proprietary rights notice contained in any portion of the Licensed Software;
- transfer, publish, sublicense, disclose, display or otherwise make the Licensed Software available to any third party (except that Licensee may demonstrate the Demo Units pursuant to Section 3.1);
- in any way combine, incorporate or integrate Licensed Software with, or use Licensed Software for creation of, any software created with or incorporating Open Source Qt; Licensee shall cause all Designated Users who make use of the licenses granted under this Agreement, to be contractually bound to comply with the relevant terms of this Agreement and not to use the Licensed Software beyond the terms hereof. Licensee shall be responsible for any and all actions and omissions of its Designated Users relating to the Licensed Software and use thereof. Any use of Licensed Software beyond the provisions of this Agreement is strictly prohibited and requires an additional license from The Qt Company."

V. Section 12 shall be replaced in its entirety to read as follows:
"This Agreement shall enter into force upon due acceptance by both Parties and remain in force for the Agreement Term, unless and until terminated pursuant to the terms of Section 12.
Upon termination of the Agreement, Licensee shall cease using the Licensed Software. All other copies of Licensed Software in the possession or control of Licensee must be erased or destroyed. An officer of Licensee must, upon request, promptly deliver to The Qt Company a written confirmation that this has occurred."

Except for the modifications specified above, this Appendix carries no change to the terms of the Agreement which shall remain in full force.

APPENDIX 6: LICENSE REPORTING

Separate template

APPENDIX 7: MARKETING RIGHTS

This Appendix 7 has the purpose to grant visibility through The Qt Company marketing channels of the usage of Qt and related product and service in Licensee product. Following related marketing right are agreed between the Qt Company and the Licensee.

1. LICENSEE NAME AND LICENSEE LOGO

The Qt Company has the right to use Licensee name and Licensee logo in public channel, in respect of the value proposition that the Qt company provided to the Licensee.

2. MARKETING CONTENT COOPERATION

2.1. LICENSEE CASES

The Licensee is open to collaborate on content creation for marketing and communication purpose. The Licensee will nominate one responsible that will be in charge to support The Qt company with this content creation, according to content format paragraph, answering technical questions or sharing professional picture or video of required content. The Qt Company will have the right to advertise this in Content Format and Channel as mentioned in paragraph 3 and 4.

2.2. FINAL PRODUCT REFERRAL

Licensee agree that The Qt Company could connect their software product and services with the Licensee device or application, that the Licensee has created using The Qt Company technology and competence. Licensee will provide high quality picture, and video of the created final product where the Qt technology is running into. The Qt Company will have the right to advertise this in Content Format and Channel as mentioned in paragraph 3 and 4.

3. CONTENT FORMAT

- Video
- Written Licensee case
- Press release
- Social media posts
- Emails
- Event booth Graphics
- Printed material

4. CHANNELS

- Social media
- The Qt Company resource center and website
- Email to the Qt company contact database
- Events
- Online webinars
- Public speech
- Public presentations

APPENDIX 8: INTENTIONALLY LEFT BLANK

APPENDIX 9: SUPPORT TERMS

Version 2023-04

These Qt support terms and conditions (Support Terms) set forth the legal framework, where under The Qt Company (The Qt Company) provides support services (as herein defined) to the Licensee.

1 DEFINITIONS

Application Code shall mean a computer software program written strictly using the Qt programming language, by or for the Licensee, with a user interface, enabling the Licensee or their users to accomplish a specific task and display any results of the task on the display monitor or screen.

Customer Portal shall mean The Qt Companys web-based service and support user interface located at https://account.qt.io/ or at another location designated by The Qt Company. Customer Portal is used by a Designated User with Qt Account, and it provides downloads, license
management, license certificate
and other services for Designated Users.

Dedicated Contact shall mean the employee of The Qt Company who will be the first point of contact for all Designated Users requests for Support.

Errors shall mean an error, flaw, mistake, failure, or fault in Licensed Software that prevents it from behaving as described in the relevant documentation or as agreed between the Parties. Designated User can follow the state and progress of Errors in Customer Portal.

Extended Support shall mean a continuation to the normal Support period, which allows Designated Users to receive selected Support (Standard Support or Premium Support) for a version of Licensed Software that is no longer generally supported by The Qt Company.

Install Support shall mean Support that is limited to installation-related Error(s) on Development Platforms specified as supported host platforms for each Qt release under doc.qt.io. Install Support covers also operational use of the QA Tools,
but not operational use of Qt Software.

Maintenance Release shall mean a release or version of Licensed Software containing bug fixes, error corrections and other changes targeted to maintaining and improving product stability and quality. Maintenance Releases are generally depicted as a change to the third digit of Licensed Software version number.

Platforms shall mean both Development Platforms and Deployment Platforms. Supported host and target Platforms may vary from for each Qt release as defined under doc.qt.io.

Premium Support shall mean an upgraded level of Support that The Qt Company

provides pursuant to these Support Terms to Licensee if Licensee has purchased Premium Support instead of Standard Support. Premium Support also covers what is included in Standard Support. Premium Support shall always be purchased for all Designated User(s) in the respective development team of the Licensee.

Qt Account shall mean the Qt Account for a Designated User used for using Qt services
and Customer Portal. A Qt Account is mapped to the Licensee company with the corporate email domain or domains.

Qualification Kit shall mean a set of documents and validation test cases used for product certification needs as defined in section 2.6.

Response Time shall mean the period of time from when Licensee notifies The Qt Company about an Error or requests Support until The Qt Company provides Licensee with a response that addresses (but not necessarily resolves) the reported Error or provides the requested Support.

Standard Support shall mean standard level of Support that The Qt Company provides pursuant to these Support Terms to Licensee. Standard Support also covers what is included in Install Support.

Security Issue shall mean an Error that may cause a vulnerability in a system or application that uses the Licensed Software.

Support shall mean developer assistance that is provided by The Qt Company to assist eligible Designated Users in Licensed Software installation,
usage and
functionality problem resolution for Error(s) and Error workarounds pursuant to the terms of these Support Terms. Support for different products is available as specified in the below table (X marking the Support that is included in the license price, optional Add-on Support services are marked as O):

	Install Support	Standard Support	Premium Support	Extended Support	Qualification Kit
DSP	X	X	O	O	
DSE	X	X	O	O	
ADP	X				
ADE	X	X	O	O	
DCP	X	X	O	O	

DCE	X	X	O	O	
Squish	X	X	O		O
Coco	X	X	O		O
Test Center	X	X	O		O
Axivion Suite	X	X			
Architecture Analysis	X	X			
Static Code Analysis	X	X			
Static Coverage Analysis Professional	X	X			
Qt Insight		X			

Support Validity Term shall mean the Development License Term or any other fixed time period agreed between the Parties during which time the Licensee is eligible to receive Support from The Qt Company.

2 SUPPORT SERVICES

2.1 Support Services Provided by The Qt Company

Subject to these Support Terms and during the Support Validity Term, The Qt Company will via its Customer Portal, provide Designated User(s) with Support for the Licensed Software which Licensee has licensed under the Agreement. The Qt Company will make commercially reasonable efforts to solve any Errors reported by Designated User(s). Resolution of an Error may be provided through Designated User(s) themselves downloading of a later released version of the applicable Licensed Software product(s) or providing the Designated User with a workaround addressing such Error or providing the Designated User with an updated tool configuration.

2.2 Licensee's Obligations

To report an Error, the Designated User shall register the Error on the Customer Portal. If the Designated User considers the reported Error to be a Security Issue, the Error shall be marked as a Security Issue.

The Designated User must provide adequate information and documentation to The

Qt Company to enable it to recreate the Error or problem for which the Designated User has sought assistance. To ensure efficient handling of Errors, the Designated User must provide the following information, where relevant:
- A clear, detailed description of the problem, question or suggestion;
- Identification of which Licensed Software product and version is affected;
- Identification of the operating environment (e.g. operating system, hardware Platform, build tools, tool configuration, etc.) on which the problem exists;
- Marking the issue as a Security Issue, when reporting a Security Issue;
- On Standard Support: A complete and compilable test case of not more than 500 lines of code that demonstrates the problem;
- On Premium Support: A complete and compilable test case that demonstrates the
problem or access to Application Code source codes.

Additional relevant content, such as screenshots, etc.
Additional content should be included as attachments. The preferred image formats are JPEG and PNG. Compressed content should be included in zip or tar.gz archives. Executable content and documents in platform specific formats such as Microsoft Office' are not accepted.

In order for The Qt Company to provide prompt handling of Errors, the Designated User shall promptly respond to any requests from The Qt Company for additional information.

2.3 Support Limitations

General limitations:

Each version or release of the Licensed Software will be Supported under Standard Support or Premium Support only for limited time period as set forth in doc.qt.io or in documentation provided with the respective Licensed Software product. If nothing is documented, a release of Licensed Software is supported for one (1) year from the release date of the version x.y.0 and Long Term Support
(LTS) Releases are supported for a period of three (3) years from the release date of the LTS version x.y.0.

The Qt Company shall only provide Support for Designated User(s) through Customer Portal.Support is made available for the entire development teams only: It is not allowed to purchase Support only for some members of the development team, and all Designated Users of the respective development team must be eligible for the same level of Support.

Support is not provided for snapshots, preview releases, beta releases or release candidates.

The Qt Company shall have no obligation to provide Support for 3rd party components, hardware or operating system specific problems or problems arising

from improper use, accident, neglect, or modification of Qt.

Limitations with Install Support:

Support limited to (i) Error(s) regarding installation and setting up of the Qt development environment on host Platforms, or (ii) Errors impacting operational use of the QA Tools.

Limitations
with Standard Support:

The Qt Company shall not provide Support for third-party software or problems caused by third-party software even if such third-party software is distributed together with Licensed Software product(s).

The Qt Company shall only provide Support for Error(s) that are reported on and can be reproduced on Platforms that are officially supported for the release of the Licensed Software.

Limitations with Premium support:

The Qt Company shall not provide Support for third-party software or problems caused by third-party software. However, if such third-party software is distributed together with Licensed Software, The Qt Company will make commercially reasonable efforts to solve such problems.

The Qt Company shall only provide Support for Error(s) that can be reproduced on Platforms that are officially supported for the release of the Licensed Software. If the Error is on a Platform that is not supported, The Qt Company will make commercially reasonable efforts to
provide a solution on closest
corresponding supported Platform.

Premium Support is optional and purchased for an agreed bucket of hours (Bucket). Hours can be used by any Designated User in the respective development team. To encourage continuous usage of the Support, ten percent (10%) of the purchased Bucket shall automatically expire (regardless of whether such support hours are actually used or not by the Licensee) each month after three (3) months from the purchase of the Premium Support.

2.4 Handling of Security Issues

The reported Errors marked as Security Issues will be assessed by experts to determine the severity of the issue and to verify if it indeed is a valid Security Issue. The Designated User who reported the issue may be contacted for more details. If the reported issue is not deemed to be a Security Issue, it will be treated as a normal Error and handled accordingly.

A verified Security Issue will be fixed as soon as possible. Qt Company will notify all Licensees
via appropriate channels about the Security Errors and
availability of patches for Licensed Software. Typically, a fix for the Security Issue is included in the next Maintenance Release of Licensed Software.

If the Security Issue is reported in a third-party library used in Licensed Software, The Qt Company will notify the relevant third party of such Security Issue detected in their library. When the Security Issue is fixed in the third-party library, the new version of the third-party library will be in the next feasible Maintenance Release of the Licensed Software. If a fixed version of the third-party library is not available, The Qt Company may instead decide to include documentation regarding the issue, or a patch for this third-party library.

All known Security Issues in Licensed Software will be mentioned as part of the change notes released with each version of Licensed Software.

2.5 Extended Support

Extended Support extends the Support Validity Term for a release of Licensed Software
that is no longer generally supported.

Extended Support includes and is by default provided with Standard Support rules and limitations, unless Extended Support is purchased together with Premium Support in which case Premium Support rules and limitations will apply.

Extended Support is optional and purchased with annual fee and separately per each Licensee product. Extended Support will need definition of (i) Licensee product, (ii) used Platform(s) and (iii) Licensed Software version(s). For avoidance of doubt, Extended Support requires that the Designated User has a valid license for the respective Licensed Software.

2.6 Qualification Kit

The Qt Company shall provide a set of documents and validation tests that enable the Licensee to qualify QA testing tool (subject to a separate fee) or Qt Safe Renderer for the purpose of safety certification of Licensee end-to-end solution. Exact complied safety standards may vary between products, used features, use case, and industry.

3
RESPONSE TIME

In performing Support, The Qt Company shall commit to following, non-binding, Response Times:

Standard Support: Errors and Support requests will have a Response Time not to exceed two (2) business days.

Premium Support: Errors and Support requests will have a Response Time not to exceed one (1) business day.

Security Issues: Errors that are Security Issues will have a Response Time not to exceed one (1) business day.

For complex issues, The Qt Company may provide an initial response to the Designated User and then follow up, without undue delay, with additional communication before an Error is properly addressed or Support provided.

4 ADDITIONAL SERVICES IN PREMIUM SUPPORT

The Designated User(s) will be assigned a Dedicated Contact to handle requests for Support. Dedicated Contact is subject to change in cases such as sick leave, vacation and other similar reasons.

The Designated User(s) can on request ask The Qt Company to access their computer remotely
in order to resolve problems directly.

The Designated User(s) can request a session via Instant Messaging or phone call in the support request to The Qt Company.

Premium Support can assist Licensee in implementing new features, bug fixes and accessing patches in Licensed Software or Application Code.

All Support requests will be handled with high priority.

5 MAINTENANCE RELEASES, UPDATES AND UPGRADES

Under the Support the Licensee is eligible for Maintenance Releases and Updates that The Qt Company generally makes available to customers who has purchased Support. Unless otherwise decided by The Company at its free and absolute discretion, Upgrades will not be provided under the Support.

The primary focus of Maintenance Releases is product quality. Therefore, each Maintenance Release typically includes the following types of changes to the previous version of Licensed Software:
- Bug fixes caused by changes to previously working code;
- Fixes related to build issues on supported
Platforms;
- Error corrections specific to a single Platform that are not present on other
Platforms;
- Corrections to Security Issues;

- Critical Error corrections such as crashes, data corruption, loss of data, race conditions; and
- Updates to documentation and license information when deemed necessary by The Qt Company.

The primary focus of Updates is introducing new features to Licensed Software and covering new platforms. Therefore, each Updates typically includes the following types of changes to the previous version of Licensed Software:
- New platform support;
- New toolchain support;
- New features and Qt modules;

6 WARRANTY DISCLAIMER

The Qt Company makes no warranties that the Support provided will be successful in resolving any difficulties or problems or in diagnosing faults reported by Licensee. Support is provided to Licensee on an "as is" basis. To the maximum extent permitted by applicable law, The Qt Company disclaims all warranties and conditions, either express or implied, including, but not limited to, implied warranties of merchantability and fitness for a particular purpose for the Support provided by The Qt Company to Licensee.

APPENDIX 10: CONVERSION TO SUBSCRIPTION

Subject to the terms of this Appendix Licensee's current development licenses ("Current Licenses") for commercial version of Qt Software and the license agreements governing such Current Licenses ("Existing Agreements") are being replaced by this Agreement and subscription based Development Licenses governed hereunder, as further specified below.

```
+-----------------------------------------------------------------------------+
| Existing Agreement(s)    | <Trolltech, Nokia, Digia, The Qt Company> and  |
| signing parties, version | <Licensee> <Version of the Agreement, e.g. 2,0,|
| and date of signatures   | 3.2 or 4.1> <Date of the agreement signatures> |
| thereof                  |                                                |
+-----------------------------------------------------------------------------+
```

Parties hereby agree on conversion of Current Licenses listed in attached Exhibit A to the subscription licenses listed in attached Exhibit B for use through License Term. As of the date hereof,

i. Licensee's Current Licenses as listed in Exhibit A shall terminate and be replaced with the Subscription licenses listed in Exhibit B and;
ii. Existing Agreements are terminated.

Prices for the conversion of Current Licenses are defined in Appendix 2

Pricing or Quote.

Notwithstanding anything in this Appendix to the contrary, and in addition to any payments due pursuant to this Appendix, Licensee remains fully obligated to fulfill any and all outstanding payment obligations to The Qt Company under any applicable Existing Agreements. For the avoidance of doubt, if any payments remain outstanding on the Current Licenses under the applicable terms Licensee will continue to make such payments in accordance with the applicable order documentation, notwithstanding
the fact that the Current Licenses are being
converted to Development Licenses pursuant to this Appendix.

APPENDIX 11: TERMS OF USE - QT INSIGHT TRACKER LIBRARY
Version 1.0

Qt Insight Tracker Library ("Tracker Library") is a software module used to collect end user data from Customer's Application and Devices relating to The Qt Company's Qt Insight online service the Customer is ordering from The Qt Company under a separate service agreement ("Service Agreement").

Unless otherwise set forth herein, definitions written in capital letters used herein shall have the meaning set forth in the Service Agreement.

Subject to these terms The Qt Company grants to Customer a worldwide, non-exclusive, non-transferable, royalty-free, revocable (for cause) right and license, valid for the term of the Service Agreement, to

(i) use, copy and modify Tracker Library for the purpose of including it into the Devices and Applications and solely for the purpose of being

used only in conjunction with Insight Cloud or Insight Private Cloud, and

(ii) distribute, by itself or through its Contractors, Tracker Library as installed, incorporated, or integrated into Applications and/or Devices.

Use of Tracker Library in a way or for the purpose other than the above is strictly prohibited. Tracker Library is licensed to the Customer in all respects "as is".

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE QT COMPANY ON BEHALF OF ITSELF AND ITS LICENSORS, SUPPLIERS AND AFFILIATES, DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT WITH REGARD TO THE TRACKER LIBRARY. THE QT COMPANY DOES NOT WARRANT THAT THE TRACKER LIBRARY WILL SATISFY CUSTOMER'S REQUIREMENTS OR THAT IT WILL OPERATE WITHOUT DEFECT OR ERROR OR THAT THE OPERATION THEREOF WILL BE UNINTERRUPTED.
IN NO EVENT SHALL THE QT COMPANY

BE LIABLE TO THE CUSTOMER FOR ANY LOSS OF
PROFIT, LOSS OF DATA, LOSS OF BUSINESS OR GOODWILL OR ANY OTHER INDIRECT, SPECIAL, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE COST, DAMAGES OR EXPENSE OF ANY KIND, HOWSOEVER ARISING UNDER OR IN CONNECTION WITH THE USE OF THE TRACKER LIBRARY.

THE TOTAL MAXIMUM LIABILITY OF THE QT COMPANY UNDER THESE TERMS SHALL IN NO EVENT EXCEED 10,000 EUROS.
This is the GNU General Public License version 3, annotated with The
Qt Company GPL Exception 1.0:

The Qt Company GPL Exception 1.0

Exception 1:

As a special exception you may create a larger work which contains the
output of this application and distribute that work under terms of your
choice, so long as the work is not otherwise derived from or based on
this application and so long as the work does not in itself generate
output that contains the output from this application in its original
or modified form.

Exception 2:

As a special exception, you have permission to combine this application
with Plugins licensed under the terms of your choice, to produce an
executable, and to copy and distribute the resulting executable under
the terms of your choice. However, the executable must be accompanied
by a prominent notice offering all users of the executable the entire
source code to this application, excluding
the source code of the
independent modules, but including any changes you have made to this
application, under the terms of this license.

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Version 3, 29 June 2007

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Preamble

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The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals

to
use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means
copyright-like laws that apply to other kinds of
works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other
activities as well.

To "convey" a work means any kind of propagation that enables other

parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's

users, your or third parties' legal rights to forbid
circumvention of
technological measures.

4. Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving
a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work
with other separate and independent
works, which are not by their nature extensions of the covered work,

and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

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The hypothetical commands `show w' and `show c'
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1.8299 double-conversion 3.3.0-1build1

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1.8300 qttranslations-opensource-src 5.15.13-1

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License Fees are described in The Qt Company's standard price list, quote or Purchase Order confirmation or in an Appendix 2 hereto, as the case may be.

Unless otherwise expressly provided in this Agreement, the License Fees shall not be refunded or claimed as a credit in any event or for any reason whatsoever.

10.2. Ordering Licenses

Licensee may purchase Development Licenses, Distribution Licenses and QA Tools Licenses pursuant to agreed pricing terms or, if no specific pricing terms have been agreed upon, at The Qt Company's standard pricing terms applicable at the time of purchase.

Unless expressly otherwise agreed, any price or other term quoted to the Licensee or specified herein shall only be valid for the thirty (30) days from the effective date of this Agreement, Appendix 2 or the date of the quote, as applicable.

Licensee shall submit all purchase orders for Development Licenses and Distribution Licenses to The Qt Company by email or any other method acceptable to The Qt Company (each such order is referred to herein as a "Purchase Order")

for confirmation, whereupon the Purchase Order shall become binding between the Parties.

Licensee acknowledges and agrees that all Purchase Orders for Licensed Software the Licensee makes during the Agreement Term shall be governed exclusively under the terms of this Agreement.

10.3. Distribution License Packs

Unless otherwise agreed,
Distribution Licenses shall be purchased by way of
Distribution License Packs.

Upon due payment of the ordered Distribution License Pack(s), the Licensee will have an account of Distribution Licenses available for distributing the Redistributables in accordance with this Agreement.

Each time Licensee distributes a copy of Redistributables, then one Distribution License is used, and Licensee's account of available Distribution Licenses is decreased accordingly.

Licensee may distribute copies of the Redistributables so long as Licensee has Distribution Licenses remaining on its account.

10.4. Payment Terms

License Fees and any other charges under this Agreement shall be paid by Licensee no later than thirty (30) days from the date of the applicable invoice from The Qt Company.

The Qt Company will submit an invoice to Licensee after the date of this Agreement and/or after The Qt Company receives a Purchase Order from Licensee.

A late payment charge of the lower of (a) one percent per
month; or (b) the
interest rate stipulated by applicable law, shall be charged on any unpaid balances that remain past due and which have not been disputed by the Licensee in good faith.

10.5. Taxes

All License Fees and other charges payable hereunder are gross amounts but exclusive of any value added tax, use tax, sales tax, withholding tax and other taxes, duties or tariffs ("Taxes") levied directly for the sale, delivery or use of Licensed Software hereunder pursuant to any applicable law. Such applicable Taxes shall be paid by Licensee to The Qt Company, or, where applicable, in lieu of payment of such Taxes to The Qt Company, Licensee shall provide an exemption certificate to The Qt Company and any applicable

authority.

11. RECORD-KEEPING AND REPORTING OBLIGATIONS; AUDIT RIGHTS

11.1. Licensee's Record-keeping

Licensee shall at all times during the Agreement Term and for a period of two (2) years thereafter maintain Licensee's Records in an accurate and up-to-date form. Licensee's Records shall be adequate to reasonably enable The Qt Company to determine Licensee's compliance with the provisions of this Agreement. The records shall conform to general good accounting practices.

Licensee shall, within thirty (30) days from receiving The Qt Company's request to that effect, deliver to The Qt Company a report based on Licensee's Records, such report to contain information, in sufficient detail, on (i) number and identity of users working with Licensed Software or Open Source Qt, (ii) copies of Redistributables distributed by Licensee during the most recent calendar quarter and/or any other term specified by The Qt Company, , and (iii) any other information pertaining to Licensee's compliance with the terms of this Agreement (like e.g. information on products and/or projects relating to use of Distribution Licenses), as The Qt Company may reasonably require from time to time.

11.2. The Qt Company's Audit Rights

The Qt Company or an independent auditor acting on behalf of The Qt Company's, may, upon at least thirty (30) days' prior written notice and at its expense, audit Licensee with respect to the Licensee's use of the Licensed Software, but not more frequently than once during each 6-month period. Such audit may be conducted by mail, electronic means or through an in-person visit to Licensee's place of business. Any possible in-person audit shall be conducted during regular business hours at Licensee's facilities and shall not unreasonably interfere with Licensee's business activities and shall be limited in scope to verify Licensee's compliance with the terms of this Agreement. The Qt Company or the independent auditor acting on behalf of The Qt Company shall be entitled to inspect Licensee's Records and conduct necessary interviews of Licensee's relevant employees and Contractors. All such Licensee's Records and use thereof shall be subject to an obligation of confidentiality under this Agreement.

If an audit reveals that Licensee is using the Licensed Software beyond scope of the licenses Licensee has paid for, Licensee shall pay to The Qt Company any amounts owed for such unauthorized use within 30 days from receipt of the corresponding invoice from The Qt Company.

In addition, in the event the audit reveals a material violation of the terms

of this Agreement (without limitation, either (i) underpayment of more than 10 % of License Fees or 10,000 euros (whichever is more) or (ii) distribution of products, which include or result from Prohibited Combination, shall be deemed a material violation for purposes of this section), then the Licensee shall pay The Qt Company's reasonable cost of conducting such audit.

12. TERM AND TERMINATION

12.1. Agreement Term

This Agreement shall enter into force upon due acceptance by both Parties and remain in force until terminated pursuant to the terms of this Section 12 ("Agreement Term").

12.2. Termination for breach and suspension of rights
Either Party shall have the
right to terminate this Agreement upon thirty (30)
days prior written notice if the other Party commits a material breach of any obligation of this Agreement and fails to remedy such breach within such notice period.

Instead of termination, The Qt Company shall have the right to suspend or withhold grants of all rights to the Licensed Software hereunder, including but not limited to the Development Licenses, Distribution License, and Support, should Licensee fail to make payment in timely fashion or otherwise violates or is reasonably suspected to violate its obligations or terms of this Agreement, and where such violation or breach is not cured within ten (10) business days following The Qt Company's written notice thereof.

12.3. Termination for insolvency

Either Party shall have the right to terminate this Agreement immediately upon written notice in the event that the other Party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors,
has
a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other Party.

12.4. Parties' Rights and Duties upon Termination

Upon expiry or termination of the Agreement, Licensee shall cease and shall cause all Designated Users (including those of its Affiliates' and Contractors') to cease using the Licensed Software under this Agreement. For clarity, a Development License of a Designated User or a QA Tools License, and all rights relating thereto, shall always terminate at the expiry of the respective Development License Term, even if the Agreement continues to remain

in force.

Upon such termination the Licensee shall destroy or return to The Qt Company all copies of the Licensed Software and all related materials and will certify the same by Licensee's duly authorized officer to The Qt Company upon its request,
provided however that Licensee may retain and exploit such copies of the Licensed Software as it may reasonably require in providing continued support to Customers.

Except when this Agreement is terminated by The Qt Company due to Licensee's material breach as set forth in Section 12.2, the Licensee may continue distribution of Applications and Devices under the terms of this Agreement despite the termination of this Agreement. In such event the terms hereof will continue to be applicable and govern any such distribution of Applications and Devices beyond the expiry or termination of this Agreement. In case of termination by The Qt Company due to Licensee's material breach, Licensee must cease any distribution of Applications and Devices at the date of termination of this Agreement.

Expiry or termination of this Agreement for any reason whatsoever shall not relieve Licensee of its obligation to pay any License Fees accrued or payable to The Qt Company prior to the effective date of termination,
and Licensee pay
to The Qt Company all such fees within 30 days from the effective date of termination of this Agreement.

Termination of this Agreement shall not affect any rights of Customers to continue use of Applications and Devices (and therein incorporated Redistributables).

12.5. Extension of Rights under Special Circumstances

In the event of The Qt Company choosing not to renew the Development License(s) or QA Tools Licenses, as set forth in Section 3.1 and 3.5 respectively, and where such decision of non-renewal is not due to any ongoing breach or alleged breach (as reasonably determined by The Qt Company) by Licensee of the terms of this Agreement or any applicable license terms of Open Source Qt, then all valid and affected Development Licenses and QA Tools licenses possessed by the Licensee at such date shall be extended to be valid in perpetuity under the terms of this Agreement and Licensee is entitled to purchase additional licenses as set forth in Section
10.2.

In the event The Qt Company is declared bankrupt under a final, non-cancellable decision by relevant court of law, and this Agreement is not, at the date of expiry of the Development License(s) or QA Tools Licenses, assigned to party, who has assumed The Qt Company's position as a legitimate licensor of Licensed

Software under this Agreement, then all valid Development Licenses and QA Tools Licenses possessed by the Licensee at such date of expiry, and which the Licensee has not notified for expiry, shall be extended to be valid in perpetuity under the terms of this Agreement.

For clarity, in case of an extension under this Section 12.5, any such extension shall not apply to The Qt Company's Support obligations, but Support shall be provided only up until the end of the respective fixed Development License Term regardless of the extension of relevant Development License or QA Tools License, unless otherwise agreed between the Parties.

13. GOVERNING LAW AND LEGAL VENUE

In the event this Agreement is in the name of The Qt Company Inc., a Delaware Corporation, then:

(i) this Agreement shall be construed and interpreted in accordance with the laws of the State of California, USA, excluding its choice of law provisions;

(ii) the United Nations Convention on Contracts for the International Sale of Goods will not apply to this Agreement; and

(iii) any dispute, claim or controversy arising out of or relating to this Agreement or the breach, termination, enforcement, interpretation or validity thereof, including the determination of the scope or applicability of this Agreement to arbitrate, shall be determined by arbitration in San Francisco, USA, before one arbitrator. The arbitration shall be administered by JAMS pursuant to JAMS' Streamlined Arbitration Rules and Procedures. Judgment on the Award may be entered in any court having jurisdiction. This Section shall not preclude parties from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction.

In the event this Agreement is in the name of The Qt Company Ltd., a Finnish Company, then:

(i) this Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions;

(ii) the United Nations Convention on Contracts for the International Sale of Goods will not apply to this Agreement; and

(iii) any disputes, controversy or claim arising out of or relating to this Agreement, or the breach, termination or validity thereof shall be finally settled by arbitration in accordance with the Arbitration Rules of International Chamber of Commerce. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction.

The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language. This Section shall not preclude parties from seeking

provisional remedies in aid of arbitration from a court of appropriate jurisdiction.

14. GENERAL PROVISIONS

14.1. No Assignment

Except in the case of a merger or sale of substantially all of its corporate assets, Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of The Qt Company, which shall not be unreasonably withheld or delayed. The Qt Company shall be entitled to freely assign or transfer any of its rights, benefits or obligations under this Agreement.

14.2. No Third-Party Representations

Licensee shall make no representations or warranties concerning the Licensed Software on behalf of The Qt Company. Any representation or warranty Licensee makes or purports to make on
The Qt Company's behalf shall be void as to
The Qt Company.

14.3. Surviving Sections

Any terms and conditions that by their nature or otherwise reasonably should survive termination of this Agreement shall so be deemed to survive. Such sections include especially the following: 1, 2, 6, 7, 9, 11, 12.4, 13 and 14.

14.4. Entire Agreement

This Agreement, the Appendices hereto, the License Certificate and any applicable quote and Purchase Order accepted by The Qt Company constitute the complete agreement between the Parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein.

In the event of any conflict or inconsistency between this Agreement and any Purchase Order, the terms of this Agreement will prevail over the terms of the Purchase Order with respect to such conflict or inconsistency.

Parties specifically acknowledge and agree that this Agreement prevails over any click-to-accept
or similar agreements the Designated Users may need to
accept online upon download of the Licensed Software, as may be required by The Qt Company's applicable processes relating to Licensed Software.

14.5. Modifications

No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each Party. No term or condition contained in Licensee's Purchase Order ("Deviating Terms") shall apply unless The Qt Company has expressly agreed such Deviating Terms in writing. Unless and to the extent expressly agreed by The Qt Company, any such Deviating Terms shall be deemed void and with no legal effect. For clarity, delivery of the Licensed Software following the receipt of the Purchase Order including Deviating Terms shall not constitute acceptance of such Deviating Terms.

14.6. Force Majeure

Except for the payment obligations hereunder, neither Party shall be liable to the other for any delay or non-performance of its obligations hereunder in the event and to the extent that such delay or non-performance is due to an event of act of God, terrorist attack or other similar unforeseeable catastrophic event that prevents either Party for fulfilling its obligations under this Agreement and which such Party cannot avoid or circumvent ("Force Majeure Event"). If the Force Majeure Event results in a delay or non-performance of a Party for a period of three (3) months or longer, then either Party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other Party.

14.7. Notices

Any notice given by one Party to the other shall be deemed properly given and deemed received if specifically acknowledged by the receiving Party in writing or when successfully delivered to the recipient by hand, fax, or special courier during normal business hours on a business day to the addresses specified for each Party on the signature page. Each communication and document made or delivered by one Party to the other Party pursuant to this Agreement shall be in the English language.

14.8. Export Control

Licensee acknowledges that the Redistributables, as incorporated in Applications or Devices, may be subject to export control restrictions under the applicable laws of respective countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all laws and regulations relating to the Redistributables and exercise of licenses hereunder and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Redistributables, Applications and/or Devices.

14.9. No Implied License

There are no implied licenses or other implied rights granted under this Agreement, and all rights, save for those expressly granted hereunder, shall remain with The Qt Company and its licensors. In addition, no licenses or immunities are granted to the combination of the Licensed Software with any other software or hardware not delivered by The Qt Company under this Agreement.

14.10. Attorney Fees

The prevailing Party in any action to enforce this Agreement shall be entitled to recover its attorney's fees and costs in connection with such action, as to be ordered by the relevant dispute resolution body.

14.11. Privacy

Licensee acknowledges and agrees that for the purpose of this Agreement, The Qt Company may collect, use, transfer and disclose personal data pertaining to Designated Users as well as any other employees and directors of the Licensee and its Contractors relevant for carrying out the intent of this Agreement. Such personal data will be primarily collected from the relevant individuals but may be collected also from Licensee (e.g. in the course of Licensee's reporting obligations). The Parties acknowledge that as The Qt Company determines the purpose and means for such collection and processing of the applicable personal data, The Qt Company shall be regarded as the Data Controller under the applicable Data Protection Legislation. The Qt Company shall process any such personal data in accordance with its privacy and security policies and practices, which will comply with all applicable requirements of the Data Protection Legislation.

14.12. Severability

If any provision of this Agreement shall be adjudged by any court of competent jurisdiction to be unenforceable or invalid, that provision shall be limited or eliminated to the minimum extent necessary so that this Agreement shall otherwise remain in full force and effect and enforceable.

14.13. Marketing Rights

Parties have agreed upon Marketing Rights pursuant to Appendix 7, if any.

APPENDICES

The Agreement includes following Appendices 1-10, as applicable.
- Appendix 1: Licensed Software details
- Appendix 2: Pricing
-
 Appendix 3: Add-on Software details (optional)
- Appendix 4: Small business and startup Licenses (optional)
- Appendix 5: Non-commercial and educational Licenses (optional)
- Appendix 6: License Reporting (optional)
- Appendix 7: Marketing Rights (optional)
- Appendix 8: Intentionally left blank (optional)
- Appendix 9: Support Terms
- Appendix 10: Conversion from legacy Licenses to Subscription (optional)
- Appendix 11: TERMS OF USE - QT INSIGHT TRACKER LIBRARY

APPENDIX 1: LICENSED SOFTWARE

The modules and/or tools that are included in the latest publicly available version of the respective product at the effective date of this Agreement- Qt for Application Development Professional (ADP), Qt for Application Development Enterprise (ADE), Qt for Device Creation Professional (DCP), Qt for Device Creation Enterprise (DCE), - are marked with "X" in the below table. The modules and tools are specific to each product version respectively and may vary from version to version. Modules
 and tools included in the latest publicly
available version of the respective product at any given time are listed in Appendix 1 of the latest version of this Agreement available at www.qt.io/terms-conditions/. If a new version of Licensed Software does not include a module or tool present in an older version which Licensee is entitled to use under a valid license from The Qt Company, then Licensee will continue to have such right during the Term of this Agreement. In the event a new version of the Licensed Software adds modules or tools to any previous version(s), Licensee's rights will extend to cover also such additional modules and tools.

Parts of the product that are permitted for distribution in object-code form only ("Redistributables") are marked with "R" in the below table.

Modules / Tools	ADP	ADE	DCP	DCE
Active Qt	X,R	X,R	X,R	X,R
Qt 3D	X,R	X,R	X,R	X,R
Qt 5 Core Compatibility APIs	X,R	X,R	X,R	X,R

| Qt Android Extras | X,R | X,R | X,R | X,R |
+----------+
| Qt Bluetooth | X,R | X,R | X,R | X,R |
+----------+
| Qt Canvas 3D | X,R | X,R | X,R | X,R |
+----------+
| Qt Charts | X,R | X,R | X,R | X,R |
+----------+
| Qt Concurrent | X,R | X,R | X,R | X,R |
+----------+
| Qt Core | X,R | X,R
| X,R | X,R |
+----------+
| Qt Data Visualization | X,R | X,R | X,R | X,R |
+----------+
| Qt D-Bus | X,R | X,R | X,R | X,R |
+----------+
| Qt for Python | X,R | X,R | X,R | X,R |
+----------+
| Qt for WebAssembly | X,R | X,R | X,R | X,R |
+----------+
| Qt Gamepad | X,R | X,R | X,R | X,R |
+----------+
| Qt Graphical Effects | X,R | X,R | X,R | X,R |
+----------+
| Qt GUI | X,R | X,R | X,R | X,R |
+----------+
| Qt Help | X,R | X,R | X,R | X,R |
+----------+
|
Qt Image Formats | X,R | X,R | X,R | X,R |
+----------+
| Qt Location | X,R | X,R | X,R | X,R |
+----------+
| Qt Lottie Animation | X,R | X,R | X,R | X,R |
+----------+
| Qt Mac Extras | X,R | X,R | X,R | X,R |
+----------+
| Qt Multimedia | X,R | X,R | X,R | X,R |
+----------+
| Qt Multimedia Widgets | X,R | X,R | X,R | X,R |
+----------+
| Qt Network | X,R | X,R | X,R | X,R |
+----------+
| Qt Network Authorization | X,R | X,R | X,R | X,R |
+----------+
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 Qt NFC                    | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt OpenGL                 | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt PDF                    | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt Platform Headers       | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt Positioning            | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt Print Support          | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt Purchasing             | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt QML                    | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
|
 Qt Quick                  | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt Quick 3D               | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt Quick Controls 1       | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt Quick Controls         | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt Quick Dialogs          | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt Quick Extras           | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt Quick Layouts          | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt Quick Test             | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt Quick Timeline
          | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt Quick WebGL            | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt Quick Widgets          | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt Remote Objects         | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt Script                 | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt Script Tools           | X,R | X,R | X,R | X,R |
+-----------------------------------------------------+
| Qt SCXML                  | X,R | X,R | X,R | X,R |
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| Qt Sensors | X,R | X,R | X,R | X,R |
+----------+
| Qt Serial Bus | X,R |
X,R | X,R | X,R |
+----------+
| Qt Serial Port | X,R | X,R | X,R | X,R |
+----------+
| Qt Shader Tools | X,R | X,R | X,R | X,R |
+----------+
| Qt Speech | X,R | X,R | X,R | X,R |
+----------+
| Qt State Machine | X,R | X,R | X,R | X,R |
+----------+
| Qt SQL | X,R | X,R | X,R | X,R |
+----------+
| Qt SVG | X,R | X,R | X,R | X,R |
+----------+
| Qt Test | X,R | X,R | X,R | X,R |
+----------+
| Qt UI Tools | X,R | X,R | X,R | X,R |
+----------+
|
Qt Virtual Keyboard | X,R | X,R | X,R | X,R |
+----------+
| Qt Wayland Compositor | X,R | X,R | X,R | X,R |
+----------+
| Qt WebChannel | X,R | X,R | X,R | X,R |
+----------+
| Qt WebEngine | X,R | X,R | X,R | X,R |
+----------+
| Qt WebSockets | X,R | X,R | X,R | X,R |
+----------+
| Qt WebView | X,R | X,R | X,R | X,R |
+----------+
| Qt Widgets | X,R | X,R | X,R | X,R |
+----------+
| Qt Windows Extras | X,R | X,R | X,R | X,R |
+----------+
|
Qt X11 Extras | X,R | X,R | X,R | X,R |
+----------+
| Qt XML | X,R | X,R | X,R | X,R |
+----------+
| Qt XML Patterns | X,R | X,R | X,R | X,R |
+----------+
| Qt Designer (Qt Widget Designer) | X,R | X,R | X,R | X,R |
+----------+
| Qt Linguist | X,R | X,R | X,R | X,R |

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+-----------------------------------------------------------+
| Qt Assistant                  | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| lupdate                       | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| lrelease                      | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
|
 lconvert                       | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt MQTT                       |     | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt KNX                        |     | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt OPC UA                     |     | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt CoAP                       |     | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Boot 2 Qt stacks              |     |     | X,R | X,R |
+-----------------------------------------------------------+
| Qt OTA                        |     |     | X,R | X,R |
+-----------------------------------------------------------+
| Device Utilities              |     |     | X,R | X,R |
+-----------------------------------------------------------+
| Qt Debugging Bridge
 (QDB) Daemon |     |     | X,R | X,R |
+-----------------------------------------------------------+
| Qt Quick Ultralite Controls   |     |     | X,R | X,R |
+-----------------------------------------------------------+
| Qt Quick Ultralite            |     |     | X,R | X,R |
+-----------------------------------------------------------+
| Qt Safe Renderer (QSR)        |     |     |     | X,R |
+-----------------------------------------------------------+
| Qt Application Manager        |     |     |     | X,R |
+-----------------------------------------------------------+
| Qt Interface Framework        |     |     |     | X,R |
+-----------------------------------------------------------+
| Neptune Reference UI          |     |     |     | X,R |
+-----------------------------------------------------------+
| Qt for Android Automotive (QAA) |     |     |     | X,R |
+-----------------------------------------------------------+
| Qt Creator                    | X
  | X | X | X |
+-----------------------------------------------------------+
| Qt Design Studio Professional   | X | X | X | X |
+-----------------------------------------------------------+
| androiddeployqt               | X | X | X | X |
+-----------------------------------------------------------+
```

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| androidtestrunner          | X | X | X | X |
+-----------------------------------------------------+
| canbusutil                 | X | X | X | X |
+-----------------------------------------------------+
| dumpcpp                    | X | X | X | X |
+-----------------------------------------------------+
| dumpdoc                    | X | X | X | X |
+-----------------------------------------------------+
| fixqt4headers.pl           | X | X | X | X |
+-----------------------------------------------------+
| idc                        | X | X | X | X |
+-----------------------------------------------------+
|
 moc                         | X | X | X | X |
+-----------------------------------------------------+
| pixeltool                  | X | X | X | X |
+-----------------------------------------------------+
| qdbus                      | X | X | X | X |
+-----------------------------------------------------+
| qdbuscpp2xml               | X | X | X | X |
+-----------------------------------------------------+
| qdbusviwer                 | X | X | X | X |
+-----------------------------------------------------+
| qdbusxml2cpp               | X | X | X | X |
+-----------------------------------------------------+
| qdistancefieldgenerator    | X | X | X | X |
+-----------------------------------------------------+
| qdoc                       | X | X | X | X |
+-----------------------------------------------------+
|
 qhelpgenerator              | X | X | X | X |
+-----------------------------------------------------+
| qlalr                      | X | X | X | X |
+-----------------------------------------------------+
| qmake                      | X | X | X | X |
+-----------------------------------------------------+
| qml                        | X | X | X | X |
+-----------------------------------------------------+
| qmlcachegen                | X | X | X | X |
+-----------------------------------------------------+
| qmldom                     | X | X | X | X |
+-----------------------------------------------------+
| qmleasing                  | X | X | X | X |
+-----------------------------------------------------+
| qmlformat                  | X | X | X | X |
+-----------------------------------------------------+
|
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 qmllint                    | X | X | X | X |
+-----------------------------------------------------------+
| qmlpreview                  | X | X | X | X |
+-----------------------------------------------------------+
| qmlprofiler                 | X | X | X | X |
+-----------------------------------------------------------+
| qmlscene                    | X | X | X | X |
+-----------------------------------------------------------+
| qmltestrunner               | X | X | X | X |
+-----------------------------------------------------------+
| qmltime                     | X | X | X | X |
+-----------------------------------------------------------+
| qmlviewer                   | X | X | X | X |
+-----------------------------------------------------------+
| qtdiag                      | X | X | X | X |
+-----------------------------------------------------------+
| qtpaths
                  | X | X | X | X |
+-----------------------------------------------------------+
| qtplugininfo                | X | X | X | X |
+-----------------------------------------------------------+
| qvkgen                      | X | X | X | X |
+-----------------------------------------------------------+
| rcc                         | X | X | X | X |
+-----------------------------------------------------------+
| tracegen                    | X | X | X | X |
+-----------------------------------------------------------+
| uic                         | X | X | X | X |
+-----------------------------------------------------------+
| windeployqt                 | X | X | X | X |
+-----------------------------------------------------------+
| Target toolchains           |   |   | X | X |
+-----------------------------------------------------------+
| Qt Debugging Bridge Host Tools   |
   |   | X | X |
+-----------------------------------------------------------+
| qtconfig-gui                |   |   | X | X |
+-----------------------------------------------------------+
| Qt Emulator                 |   |   | X | X |
+-----------------------------------------------------------+
| Qt Creator VxWorks plugin       |   |   | X | X |
+-----------------------------------------------------------+
| Qt Creator plugin for Qt        |   |   |   | X |
| Application Manager             |   |   |   |   |
+-----------------------------------------------------------+
| qmlinterfacegenerator           |   |   |   | X |
+-----------------------------------------------------------+
| qmltocpp                        |   |   |   | X |
```

```
+-----------------------------------------------------------+
| qulfontcompiler                |    |    |    | X |
+-----------------------------------------------------------+
|
 Qt Deployment Server            |    |    |    | X |
+-----------------------------------------------------------+
```

Rights for Application and Device use cases

Following table summarizes the rights afforded by different products of the Licensed Software to create and distribute Applications and Devices as defined in this Agreement (X marks for rights):

```
+-----------------------------------------------------------------+
|                          | Applications |    Devices   |
+-----------------------------------------------------------------+
| ADP                      |     X      |            |
+-----------------------------------------------------------------+
| ADE                      |     X      |            |
+-----------------------------------------------------------------+
| DCP                      |     X      |     X      |
+-----------------------------------------------------------------+
| DCE                      |     X
      |     X      |
+-----------------------------------------------------------------+
```

Licensed Software: Designer tools and modules

The modules and/or tools that are included in the respective product - Qt for Design Studio Professional (DSP), Qt for Design Studio Enterprise (DSE) - are marked with "X" in the below table.

Designer tools provides no Redistributables.

```
+-----------------------------------------------+
|                          | DSP | DSE |
+-----------------------------------------------+
| Qt Design Studio              |  X  |  X  |
+-----------------------------------------------+
| Qt Design Bridges             |     |  X  |
+-----------------------------------------------+
| QML Live on host              |  X  |  X  |
+-----------------------------------------------+
| QML Live on target            |     |  X  |
+-----------------------------------------------+
| Variant Management            |     |  X  |
+-----------------------------------------------+
```

| Shader creation tools | | X |
+----------+
| Profiling tools | | X |
+----------+
| Simulink support | | X |
+----------+

Both DSP and DSE can be used to create an user interface for use cases covered by ADP, ADE, DCP and DCE.

Licensed Software: QA Tools

The modules and/or tools that are included in the respective QA Tools product - Squish (both Tester and execution Licenses), Coco or Test Center - are marked with "X" in the below table. Optional features that will need additional licenses are marked with "O". QA Tools include no Redistributables.

	Squish	Coco	Test Center
Squish IDE	X		
QA Tool-specific command line tools	X	X	X
Coverage Browser		X	
HTML interface			X
Qt Support Module	X		
Java support module	X		
Windows support module	X		
iOS support module	X		
Android support module	X		
Web support module	X		
macOS support module	X		
VNC support module	X		

| MCU support module | X | | |
+----------+
| C and C++ language module | | X | |
+----------+
| C# language module |
| X | |
+----------+
| QML language module | | X | |
+----------+
| Tester Cross-Compilation Add-On | O | O | |
+----------+

License capabilities for Squish

License capabilities that are included in the Squish Tester and Execution Licenses are marked with "X" in the below table.

+----------+
| | Squish Tester License | Squish Execution License |
+----------+
| Ability to create, edit, | X | |
| and debug test cas | | |
+----------+
|
Ability to execute test | X | X |
| cases | | |
+----------+

Install and use capabilities for QA Tools

Install and use capabilities that are included in the respective QA Tools products are defined in the below table.

+----------+
	Squish	Squish	Coco	Test
	Tester	Execution	License	Center
	License	License		License
+----------+
| Number of installation | Unlimited | Unlimited | Unlimited | One(1) |
| instances per license | | | | |
+----------+
|
Number of concurrent | Limited by| Limited by | Limited by | Limited by |
users	number of	number of	number of	number of
	Squish	Squish	Coco	Test Center
	Tester	Execution	Tester	Licenses
	Licenses	Licenses	Licenses	
+----------+

APPENDIX 2: PRICING

Separate template

APPENDIX 3: ADD-ON PRODUCTS TO LICENSED SOFTWARE

Intentionally left blank.

APPENDIX 4: SMALL BUSINESS AND STARTUP

The provisions of this Appendix 4 are applicable for companies with an annual revenue, including funding, equivalent to maximum of 250,000 USD (in applicable currency) during the latest full calendar year, as evidenced by duly audited records of the Licensee and approved by The Qt Company ("Start-up Company").

Start-up Companies are qualified for a discounted License Fee for maximum of four (4) Development Licenses ("Start-up Development License") unless otherwise agreed between the parties.

Start-up Development License entitles the respective Designated User for Support only for Install Support as defined in Appendix 9, Support Terms.

Upon expiry of the respective Development License Term, the Start-up Development Licenses shall be automatically extended, pursuant to Section 3.1 of the Agreement, for a Renewal Term either as new Start-up Development Licenses (if the Licensee still qualifies as a Start-up Company), or as normal then standard list price Development Licenses (if the Licensee no longer qualifies as a Start-up Company).

APPENDIX 5: NON-COMMERCIAL AND EDUCATIONAL USE

The provisions of this Appendix 5 are applicable for non-commercial use of the Licensed Software by the Licensee.

For the purpose of this Appendix 5, the following additional definitions (replacing the relevant definition of the Agreement, where applicable) shall be applicable:

"Demo Units" shall mean (i) hardware development platform, which incorporates the Licensed Software along with Licensee's software and/or hardware, and (ii) prototype versions of Applications or Devices.

"Designated User(s)" shall mean the employees and students of the Licensee.

"Licensee Products" shall mean Applications and/or Devices.

"Permitted Purpose" shall mean (i) Licensee's internal evaluation and testing of Licensed Software, (ii) building Demo Units as well as (iii) educational use.

"Agreement Term" shall mean a period of twelve (12) months or any such other period as may be agreed between the Parties.

For the purpose of this Appendix 5, the following changes shall be agreed with respect to relevant Sections of the Agreement:

I. Recital (A) shall be replaced in its entirety to read as follows:

"(A) Licensee wishes to use the Licensed Software for the Permitted Purpose."

II. Section 3.1 shall be replaced in its entirety to read as follows:

"The Qt Company grants to Licensee a personal, non-exclusive, non-transferable, revocable, royalty-free license, valid for the Agreement Term, to use, modify and copy the Licensed Software solely for the Permitted Purpose. Licensee may install copies of the Licensed Software on five (5) computers per Designated User, provided that only the Designated Users who have a valid Development License may use the Licensed Software. Licensee may demonstrate the Demo Units, provided that such demonstrations must be conducted by Licensee, and the Demo Units must remain in Licensee's possession and under Licensee's control at all times.

For clarity, this Agreement does not (i) entitle Licensee to use Licensed Software to create Applications or Devices (other than prototypes thereof) or (ii) carry any distribution rights to Licensee, but such rights are subject to and conditional upon conclusion of a separate license agreement with The Qt Company."

III. Sections 3.2, 3.3, 3.5, 3.6, 8 and 10 shall be deleted.

IV. Section 3.4 shall be replaced in its entirety to read as follows:

"Licensee shall not:

- remove or alter any copyright, trademark or other proprietary rights notice contained in any portion of the Licensed Software;
- transfer, publish, sublicense, disclose, display or otherwise make the Licensed Software available to any third party (except that Licensee may demonstrate the Demo Units pursuant to Section 3.1);
- in any way combine, incorporate or integrate Licensed Software with, or use Licensed Software for creation of, any software created with or incorporating Open Source Qt; Licensee shall cause all Designated Users who make use of the licenses granted under this Agreement, to be contractually bound to comply with the relevant terms of this Agreement and not to use the Licensed Software beyond the terms hereof. Licensee shall be responsible for any and all actions and

omissions of its Designated Users relating to the Licensed Software and use thereof. Any use of Licensed Software beyond the provisions of this Agreement is strictly prohibited and requires an additional license from The Qt Company."

V. Section 12 shall be replaced in its entirety to read as follows:
"This Agreement shall enter into force upon due acceptance by both Parties and remain in force for the Agreement Term, unless and until terminated pursuant to the terms of Section 12.
Upon termination of the Agreement, Licensee shall cease using the Licensed Software. All other copies of Licensed Software in the possession or control of Licensee must be erased or destroyed.
An officer of Licensee must, upon request, promptly deliver to The Qt Company a written confirmation that this has occurred."

Except for the modifications specified above, this Appendix carries no change to the terms of the Agreement which shall remain in full force.

APPENDIX 6: LICENSE REPORTING

Separate template

APPENDIX 7: MARKETING RIGHTS

This Appendix 7 has the purpose to grant visibility through The Qt Company marketing channels of the usage of Qt and related product and service in Licensee product. Following related marketing right are agreed between the Qt Company and the Licensee.

1. LICENSEE NAME AND LICENSEE LOGO

The Qt Company has the right to use Licensee name and Licensee logo in public channel, in respect of the value proposition that the Qt company provided to the Licensee.

2. MARKETING CONTENT COOPERATION

2.1. LICENSEE CASES

The Licensee is open to collaborate on content creation for marketing and communication purpose. The Licensee will nominate one responsible that will be in charge to support The Qt company with this content creation, according to content format paragraph, answering technical questions or sharing professional picture or video of required content. The Qt Company will have the right to advertise this in Content Format and Channel as mentioned in paragraph 3 and 4.

2.2. FINAL PRODUCT REFERRAL

Licensee agree that The Qt Company could connect their software product and services with the Licensee device or application, that the Licensee has created using The Qt Company technology and competence. Licensee will provide high quality picture, and video of the created final product where the Qt technology is running into. The Qt Company will have the right to advertise this in Content Format and Channel as mentioned in paragraph 3 and 4.

3. CONTENT FORMAT

- Video
- Written Licensee case
- Press release
- Social media posts
- Emails
- Event booth Graphics
- Printed material

4. CHANNELS

- Social media
- The Qt
 Company resource center and website
- Email to the Qt company contact database
- Events
- Online webinars
- Public speech
- Public presentations

APPENDIX 8: INTENTIONALLY LEFT BLANK

APPENDIX 9: SUPPORT TERMS
Version 2023-04

These Qt support terms and conditions (Support Terms) set forth the legal framework, where under The Qt Company (The Qt Company) provides support services (as herein defined) to the Licensee.

1 DEFINITIONS

Application Code shall mean a computer software program written strictly using the Qt programming language, by or for the Licensee, with a user interface, enabling the Licensee or their users to accomplish a specific task and display any results of the task on the display monitor or screen.

Customer Portal shall mean The Qt Companys web-based service and support user interface located at https://account.qt.io/ or at another location designated by The Qt Company. Customer Portal is used by a Designated User with

Qt Account, and it provides downloads, license
management, license certificate
and other services for Designated Users.

Dedicated Contact shall mean the employee of The Qt Company who will be the first point of contact for all Designated Users requests for Support.

Errors shall mean an error, flaw, mistake, failure, or fault in Licensed Software that prevents it from behaving as described in the relevant documentation or as agreed between the Parties. Designated User can follow the state and progress of Errors in Customer Portal.

Extended Support shall mean a continuation to the normal Support period, which allows Designated Users to receive selected Support (Standard Support or Premium Support) for a version of Licensed Software that is no longer generally supported by The Qt Company.

Install Support shall mean Support that is limited to installation-related Error(s) on Development Platforms specified as supported host platforms for each Qt release under doc.qt.io. Install Support covers also operational use of the QA Tools,
but not operational use of Qt Software.

Maintenance Release shall mean a release or version of Licensed Software containing bug fixes, error corrections and other changes targeted to maintaining and improving product stability and quality. Maintenance Releases are generally depicted as a change to the third digit of Licensed Software version number.

Platforms shall mean both Development Platforms and Deployment Platforms. Supported host and target Platforms may vary from for each Qt release as defined under doc.qt.io.

Premium Support shall mean an upgraded level of Support that The Qt Company provides pursuant to these Support Terms to Licensee if Licensee has purchased Premium Support instead of Standard Support. Premium Support also covers what is included in Standard Support. Premium Support shall always be purchased for all Designated User(s) in the respective development team of the Licensee.

Qt Account shall mean the Qt Account for a Designated User used for using Qt services
and Customer Portal. A Qt Account is mapped to the Licensee company with the corporate email domain or domains.

Qualification Kit shall mean a set of documents and validation test cases used for product certification needs as defined in section 2.6.

Response Time shall mean the period of time from when Licensee notifies The

Qt Company about an Error or requests Support until The Qt Company provides Licensee with a response that addresses (but not necessarily resolves) the reported Error or provides the requested Support.

Standard Support shall mean standard level of Support that The Qt Company provides pursuant to these Support Terms to Licensee. Standard Support also covers what is included in Install Support.

Security Issue shall mean an Error that may cause a vulnerability in a system or application that uses the Licensed Software.

Support shall mean developer assistance that is provided by The Qt Company to assist eligible Designated Users in Licensed Software installation,
usage and
functionality problem resolution for Error(s) and Error workarounds pursuant to the terms of these Support Terms. Support for different products is available as specified in the below table (X marking the Support that is included in the license price, optional Add-on Support services are marked as O):

	Install Support	Standard Support	Premium Support	Extended Support	Qualification Kit
DSP	X	X	O	O	
DSE	X	X	O	O	
ADP	X				
ADE	X	X	O	O	
DCP	X	X	O	O	
DCE	X	X	O	O	
Squish	X	X	O		O
Coco	X	X	O		O
Test Center	X	X	O		O
Axivion Suite	X	X			
Architecture Analysis	X	X			
Static Code Analysis	X	X			

Static Coverage Analysis Professional	X	X			
Qt Insight		X			

Support Validity Term shall mean the Development License Term or any other fixed time period agreed between the Parties during which time the Licensee is eligible to receive Support from The Qt Company.

2 SUPPORT SERVICES

2.1 Support Services Provided by The Qt Company

Subject to these Support Terms and during the Support Validity Term, The Qt Company will via its Customer Portal, provide Designated User(s) with Support for the Licensed Software which Licensee has licensed under the Agreement. The Qt Company will make commercially reasonable efforts to solve any Errors reported by Designated User(s). Resolution of an Error may be provided through Designated User(s) themselves downloading of a later released version of the applicable Licensed Software product(s) or providing the Designated User with a workaround addressing such Error or providing the Designated User with an updated tool configuration.

2.2 Licensee's Obligations

To report an Error, the Designated User shall register the Error on the Customer Portal. If the Designated User considers the reported Error to be a Security Issue, the Error shall be marked as a Security Issue.

The Designated User must provide adequate information and documentation to The Qt Company to enable it to recreate the Error or problem for which the Designated User has sought assistance. To ensure efficient handling of Errors, the Designated User must provide the following information, where relevant:
- A clear, detailed description of the problem, question or suggestion;
- Identification of which Licensed Software product and version is affected;
- Identification of the operating environment (e.g. operating system, hardware Platform, build tools, tool configuration, etc.) on which the problem exists;
- Marking the issue as a Security Issue, when reporting a Security Issue;
- On Standard Support: A complete and compilable test case of not more than 500 lines of code that demonstrates the problem;
- On Premium Support: A complete and compilable test case that demonstrates the problem or access to Application Code source codes.

Additional relevant content, such as screenshots, etc.
Additional content should be included as attachments. The preferred image formats are JPEG and PNG. Compressed content should be included in zip or tar.gz archives. Executable content and documents in platform specific formats such as Microsoft Office' are not accepted.

In order for The Qt Company to provide prompt handling of Errors, the Designated User shall promptly respond to any requests from The Qt Company for additional information.

2.3 Support Limitations

General limitations:

Each version or release of the Licensed Software will be Supported under Standard Support or Premium Support only for limited time period as set forth in doc.qt.io or in documentation provided with the respective Licensed Software product. If nothing is documented, a release of Licensed Software is supported for one (1) year from the release date of the version x.y.0 and Long Term Support
(LTS) Releases are supported for a period of three (3) years from the release date of the LTS version x.y.0.

The Qt Company shall only provide Support for Designated User(s) through Customer Portal.Support is made available for the entire development teams only: It is not allowed to purchase Support only for some members of the development team, and all Designated Users of the respective development team must be eligible for the same level of Support.

Support is not provided for snapshots, preview releases, beta releases or release candidates.

The Qt Company shall have no obligation to provide Support for 3rd party components, hardware or operating system specific problems or problems arising from improper use, accident, neglect, or modification of Qt.

Limitations with Install Support:

Support limited to (i) Error(s) regarding installation and setting up of the Qt development environment on host Platforms, or (ii) Errors impacting operational use of the QA Tools.

Limitations
with Standard Support:

The Qt Company shall not provide Support for third-party software or problems caused by third-party software even if such third-party software is distributed together with Licensed Software product(s).

The Qt Company shall only provide Support for Error(s) that are reported on and can be reproduced on Platforms that are officially supported for the release of the Licensed Software.

Limitations with Premium support:

The Qt Company shall not provide Support for third-party software or problems caused by third-party software. However, if such third-party software is distributed together with Licensed Software, The Qt Company will make commercially reasonable efforts to solve such problems.

The Qt Company shall only provide Support for Error(s) that can be reproduced on Platforms that are officially supported for the release of the Licensed Software. If the Error is on a Platform that is not supported, The Qt Company will make commercially reasonable efforts to provide a solution on closest corresponding supported Platform.

Premium Support is optional and purchased for an agreed bucket of hours (Bucket). Hours can be used by any Designated User in the respective development team. To encourage continuous usage of the Support, ten percent (10%) of the purchased Bucket shall automatically expire (regardless of whether such support hours are actually used or not by the Licensee) each month after three (3) months from the purchase of the Premium Support.

2.4 Handling of Security Issues

The reported Errors marked as Security Issues will be assessed by experts to determine the severity of the issue and to verify if it indeed is a valid Security Issue. The Designated User who reported the issue may be contacted for more details. If the reported issue is not deemed to be a Security Issue, it will be treated as a normal Error and handled accordingly.

A verified Security Issue will be fixed as soon as possible. Qt Company will notify all Licensees via appropriate channels about the Security Errors and availability of patches for Licensed Software. Typically, a fix for the Security Issue is included in the next Maintenance Release of Licensed Software.

If the Security Issue is reported in a third-party library used in Licensed Software, The Qt Company will notify the relevant third party of such Security Issue detected in their library. When the Security Issue is fixed in the third-party library, the new version of the third-party library will be in the next feasible Maintenance Release of the Licensed Software. If a fixed version of the third-party library is not available, The Qt Company may instead decide to include documentation regarding the issue, or a patch for this third-party

library.

All known Security Issues in Licensed Software will be mentioned as part of the change notes released with each version of Licensed Software.

2.5 Extended Support

Extended Support extends the Support Validity Term for a release of Licensed Software
that is no longer generally supported.

Extended Support includes and is by default provided with Standard Support rules and limitations, unless Extended Support is purchased together with Premium Support in which case Premium Support rules and limitations will apply.

Extended Support is optional and purchased with annual fee and separately per each Licensee product. Extended Support will need definition of (i) Licensee product, (ii) used Platform(s) and (iii) Licensed Software version(s). For avoidance of doubt, Extended Support requires that the Designated User has a valid license for the respective Licensed Software.

2.6 Qualification Kit

The Qt Company shall provide a set of documents and validation tests that enable the Licensee to qualify QA testing tool (subject to a separate fee) or Qt Safe Renderer for the purpose of safety certification of Licensee end-to-end solution. Exact complied safety standards may vary between products, used features, use case, and industry.

3
RESPONSE TIME

In performing Support, The Qt Company shall commit to following, non-binding, Response Times:

Standard Support: Errors and Support requests will have a Response Time not to exceed two (2) business days.

Premium Support: Errors and Support requests will have a Response Time not to exceed one (1) business day.

Security Issues: Errors that are Security Issues will have a Response Time not to exceed one (1) business day.

For complex issues, The Qt Company may provide an initial response to the Designated User and then follow up, without undue delay, with additional communication before an Error is properly addressed or Support provided.

4 ADDITIONAL SERVICES IN PREMIUM SUPPORT

The Designated User(s) will be assigned a Dedicated Contact to handle requests for Support. Dedicated Contact is subject to change in cases such as sick leave, vacation and other similar reasons.

The Designated User(s) can on request ask The Qt Company to access their computer remotely
in order to resolve problems directly.

The Designated User(s) can request a session via Instant Messaging or phone call in the support request to The Qt Company.

Premium Support can assist Licensee in implementing new features, bug fixes and accessing patches in Licensed Software or Application Code.

All Support requests will be handled with high priority.

5 MAINTENANCE RELEASES, UPDATES AND UPGRADES

Under the Support the Licensee is eligible for Maintenance Releases and Updates that The Qt Company generally makes available to customers who has purchased Support. Unless otherwise decided by The Company at its free and absolute discretion, Upgrades will not be provided under the Support.

The primary focus of Maintenance Releases is product quality. Therefore, each Maintenance Release typically includes the following types of changes to the previous version of Licensed Software:
- Bug fixes caused by changes to previously working code;
- Fixes related to build issues on supported
Platforms;
- Error corrections specific to a single Platform that are not present on other
Platforms;
- Corrections to Security Issues;
- Critical Error corrections such as crashes, data corruption, loss of data,
race conditions; and
- Updates to documentation and license information when deemed necessary by
The Qt Company.

The primary focus of Updates is introducing new features to Licensed Software and covering new platforms. Therefore, each Updates typically includes the following types of changes to the previous version of Licensed Software:
- New platform support;
- New toolchain support;
- New features and Qt modules;

6 WARRANTY DISCLAIMER

The Qt Company makes no warranties that the Support provided will be successful in resolving any difficulties or problems or in diagnosing faults reported by Licensee. Support is provided to Licensee on an "as is" basis. To the maximum extent permitted by applicable law, The Qt Company disclaims all warranties and conditions, either express or implied, including, but not limited to, implied warranties of merchantability and fitness for a particular purpose for the Support provided by The Qt Company to Licensee.

APPENDIX 10: CONVERSION TO SUBSCRIPTION

Subject to the terms of this Appendix Licensee's current development licenses ("Current Licenses") for commercial version of Qt Software and the license agreements governing such Current Licenses ("Existing Agreements") are being replaced by this Agreement and subscription based Development Licenses governed hereunder, as further specified below.

```
+-----------------------------------------------------------------------------+
| Existing Agreement(s)    | <Trolltech, Nokia, Digia, The Qt Company> and  |
| signing parties, version | <Licensee> <Version of the Agreement, e.g. 2,0,|
| and date of signatures   | 3.2 or 4.1> <Date of the agreement signatures> |
| thereof                  |                                                |
+-----------------------------------------------------------------------------+
```

Parties hereby agree on conversion of Current Licenses listed in attached Exhibit A to the subscription licenses listed in attached Exhibit B for use through License Term. As of the date hereof,

i. Licensee's Current Licenses as listed in Exhibit A shall terminate and be replaced with the Subscription licenses listed in Exhibit B and;
ii. Existing Agreements are terminated.

Prices for the conversion of Current Licenses are defined in Appendix 2 Pricing or Quote.

Notwithstanding anything in this Appendix to the contrary, and in addition to any payments due pursuant to this Appendix, Licensee remains fully obligated to fulfill any and all outstanding payment obligations to The Qt Company under any applicable Existing Agreements. For the avoidance of doubt, if any payments remain outstanding on the Current Licenses under the applicable terms Licensee will continue to make such payments in accordance with the applicable order documentation, notwithstanding the fact that the Current Licenses are being converted to Development Licenses pursuant to this Appendix.

APPENDIX 11: TERMS OF USE - QT INSIGHT TRACKER LIBRARY
Version 1.0

Qt Insight Tracker Library ("Tracker Library") is a software module used to collect end user data from Customer's Application and Devices relating to The Qt Company's Qt Insight online service the Customer is ordering from The Qt Company under a separate service agreement ("Service Agreement").

Unless otherwise set forth herein, definitions written in capital letters used herein shall have the meaning set forth in the Service Agreement.

Subject to these terms The Qt Company grants to Customer a worldwide, non-exclusive, non-transferable, royalty-free, revocable (for cause) right and license, valid for the term of the Service Agreement, to

(i) use, copy and modify Tracker Library for the purpose of including it into the Devices and Applications and solely for the purpose of being

used only in conjunction with Insight Cloud or Insight Private Cloud, and

(ii) distribute, by itself or through its Contractors, Tracker Library as installed, incorporated, or integrated into Applications and/or Devices.

Use of Tracker Library in a way or for the purpose other than the above is strictly prohibited. Tracker Library is licensed to the Customer in all respects "as is".

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE QT COMPANY ON BEHALF OF ITSELF AND ITS LICENSORS, SUPPLIERS AND AFFILIATES, DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT WITH REGARD TO THE TRACKER LIBRARY. THE QT COMPANY DOES NOT WARRANT THAT THE TRACKER LIBRARY WILL SATISFY CUSTOMER'S REQUIREMENTS OR THAT IT WILL OPERATE WITHOUT DEFECT OR ERROR OR THAT THE OPERATION THEREOF WILL BE UNINTERRUPTED.
IN NO EVENT SHALL THE QT COMPANY
BE LIABLE TO THE CUSTOMER FOR ANY LOSS OF
PROFIT, LOSS OF DATA, LOSS OF BUSINESS OR GOODWILL OR ANY OTHER INDIRECT, SPECIAL, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE COST, DAMAGES OR EXPENSE OF ANY KIND, HOWSOEVER ARISING UNDER OR IN CONNECTION WITH THE USE OF THE TRACKER LIBRARY.

THE TOTAL MAXIMUM LIABILITY OF THE QT COMPANY UNDER THESE TERMS SHALL IN NO EVENT EXCEED 10,000 EUROS.
This is the GNU General Public License version 3, annotated with The Qt Company GPL Exception 1.0:

The Qt Company GPL Exception 1.0

Exception 1:

As a special exception you may create a larger work which contains the output of this application and distribute that work under terms of your choice, so long as the work is not otherwise derived from or based on this application and so long as the work does not in itself generate output that contains the output from this application in its original or modified form.

Exception 2:

As a special exception, you have permission to combine this application with Plugins licensed under the terms of your choice, to produce an executable, and to copy and distribute the resulting executable under the terms of your choice. However, the executable must be accompanied by a prominent notice offering all users of the executable the entire source code to this application, excluding
the source code of the
independent modules, but including any changes you have made to this application, under the terms of this license.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

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Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU
General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not

price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and

modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means
copyright-like laws that apply to other kinds of
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1.8301 libdouble-conversion3 3.3.0-1build1

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1.8302 libpthread-stubs 0.4-1build3

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1.8303 libegl-mesa0 24.2.8-1ubuntu1~24.04.1

1.8303.1 Available under license :

```
# Copyright  2018 Rob Clark
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libfreedreno_layout = static_library(
 'freedreno_layout',
 [
   'fd5_layout.c',
   'fd6_format_table.c',
   'fd6_layout.c',
   'fd6_view.c',
   'freedreno_layout.c',
   freedreno_xml_header_files,
 ],
 include_directories : [inc_freedreno, inc_include, inc_src],
 c_args : [no_override_init_args],
 gnu_symbol_visibility : 'hidden',
 dependencies : [idep_nir_headers, idep_mesautil],
```

```
 build_by_default : false,
)

foreach major : ['5', '6']
 test(
   'fd' + major + '_layout',
   executable(
     'fd' + major + '_layout',
     [
       'fd_layout_test.c',
       'fd' + major + '_layout_test.c',
       freedreno_xml_header_files,
     ],
     link_with: libfreedreno_layout,
     dependencies : idep_mesautil,
     include_directories: [
       inc_include,
       inc_src,
       inc_freedreno],
   ),
   suite : ['freedreno'],
 )
endforeach
```

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1.8304 libxau-dev 1.0.9-1build6

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1.8305 libxkbcommon-x 1.6.0-1build1

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1.8306 libegl-dev 1.7.0-1build1

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1.8307 libwayland-client0 1.22.0-2.1build1

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1.8308 libxxcb 1.8.7-1build1

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1.8309 libllvm19 19.1.1-1ubuntu1~24.04.2

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1.8310 libxcb-xkb1 1.15-1ubuntu2

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1.8312 libopengl0 1.7.0-1build1

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1.8313 libgl-dev 1.7.0-1build1

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1.8314 libglx-dev 1.7.0-1build1

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1.8315 libx11-dev 1.8.7-1build1

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1.8316 mesa-vulkan-drivers 24.2.8-1ubuntu1~24.04.1

1.8316.1 Available under license :

```
# Copyright  2018 Rob Clark
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libfreedreno_layout = static_library(
 'freedreno_layout',
 [
   'fd5_layout.c',
   'fd6_format_table.c',
   'fd6_layout.c',
   'fd6_view.c',
   'freedreno_layout.c',
   freedreno_xml_header_files,
 ],
 include_directories : [inc_freedreno, inc_include, inc_src],
 c_args : [no_override_init_args],
 gnu_symbol_visibility : 'hidden',
 dependencies : [idep_nir_headers, idep_mesautil],
 build_by_default : false,
)

foreach major : ['5', '6']
 test(
   'fd' + major + '_layout',
   executable(
     'fd' + major + '_layout',
     [
       'fd_layout_test.c',
       'fd' + major + '_layout_test.c',
       freedreno_xml_header_files,
     ],
     link_with: libfreedreno_layout,
     dependencies : idep_mesautil,
     include_directories: [
```

```
      inc_include,
      inc_src,
      inc_freedreno],
  ),
  suite : ['freedreno'],
)
endforeach
```

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1.8317 libegl1 1.7.0-1build1

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1.8318 libfreetype-dev 2.13.2+dfsg-1build3

1.8318.1 Available under license :

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```
/***************************************************************************
*
*  grbatch.c  Batch processing driver.
*
*  This driver maintains the image in memory without displaying it,
*  used by the graphics utility of the FreeType test suite.
*
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```

```
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```

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```
/*****************************************************************
*
*  grmac.c  graphics driver for MacOS platform.
*
*  This is the driver for displaying inside a window under MacOS,
*  used by the graphics utility of the FreeType test suite.
*
*  Largely written by Just van Rossum, but derived from grwin32.c.
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```
/*****************************************************************
*
*  grbeos.c  graphics driver for BeOS platform.          0.1
*
*  This is the driver for displaying inside a window under BeOS,
*  used by the graphics utility of the FreeType test suite.
```

```
*
*  Written by Michael Pfeiffer.
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```
/*****************************************************************************
*
* rsvg-port.h
*
*   Librsvg based hook functions for OT-SVG rendering in FreeType
*   (headers).
*
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```
/***************************************************************************
*
* rsvg-port.c
*
*   Librsvg-based hook functions for OT-SVG rendering in FreeType
*   (implementation).
*
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```
/*****************************************************************
*
*  grx11.c  graphics driver for X11.
*
*  This is the driver for displaying inside a window under X11,
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```
/*****************************************************************
*
```

```
*  grwin32.c  graphics driver for Win32 platform
*
*  This is the driver for displaying inside a window under Win32,
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*
*  Written by Antoine Leca.
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```
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*
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/*
* This is an OpenSSL-compatible implementation of the RSA Data Security, Inc.
* MD5 Message-Digest Algorithm (RFC 1321).
*
* Homepage:
* http://openwall.info/wiki/people/solar/software/public-domain-source-code/md5
*
* Author:
* Alexander Peslyak, better known as Solar Designer <solar at openwall.com>
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*/

Found
in path(s):
* /opt/cola/permits/2402369505_1742912477.4979162/0/freetype-2-13-2-dfsg-orig-ft2demos-1-tar-xz/ft2demos-2.13.2/src/md5.h
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```
/*
*  This is a cheap replacement for getopt() because that routine is not
*  available on some platforms and behaves differently on other platforms.
*
*  This code is hereby expressly placed in the public domain.
*  mleisher@crl.nmsu.edu (Mark Leisher)
*  10 October 1997
*/
```

Found in path(s):
* /opt/cola/permits/2402369505_1742912477.4979162/0/freetype-2-13-2-dfsg-orig-ft2demos-1-tar-xz/ft2demos-2.13.2/src/mlgetopt.h
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```
/*
*  This is a cheap replacement for getopt() because that routine is not
*  available on some platforms and behaves differently on other platforms.
*  This code was written from scratch without looking at any other
*  implementation.
*
*  This code is hereby expressly placed in the public domain.
*  mleisher@crl.nmsu.edu (Mark Leisher)
*  10 October 1997
*
*  Last update 2019-06-10.
*/
```

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```
# and distributed under the terms of the FreeType project license,
```

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* /opt/cola/permits/2402369505_1742912477.4979162/0/freetype-2-13-2-dfsg-orig-ft2demos-1-tar-xz/ft2demos-2.13.2/meson_options.txt
* /opt/cola/permits/2402369505_1742912477.4979162/0/freetype-2-13-2-dfsg-orig-ft2demos-1-tar-xz/ft2demos-2.13.2/meson.build
* /opt/cola/permits/2402369505_1742912477.4979162/0/freetype-2-13-2-dfsg-orig-ft2demos-1-tar-xz/ft2demos-

2.13.2/src/ftinspect/meson.build
No license file was found, but licenses were detected in source scan.

```
/*****************************************************************
*
*  grwin32.h  graphics driver for Win32 platform (header)
*
*  This is the driver for displaying inside a window under Win32,
*  used by the graphics utility of the FreeType test suite.
*
*  Written by Antoine Leca.
*  Copyright (C) 1999-2023 by
*  Antoine Leca, David Turner, Robert Wilhelm, and Werner Lemberg.
*
*  Borrowing liberally from the other FreeType drivers.
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*
*****************************************************************/
```

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```
/*****************************************************************
*
*  grx11.h  graphics driver for X11 (header)
*
*  This is the driver for displaying inside a window under X11,
*  used by the graphics utility of the FreeType test suite.
*
*  Copyright (C) 1999-2023 by
*  Antoine Leca, David Turner, Robert Wilhelm, and Werner Lemberg.
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*
*****************************************************************/
```

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```
/*
* This is an OpenSSL-compatible implementation of the RSA Data Security, Inc.
* MD5 Message-Digest Algorithm (RFC 1321).
*
* Homepage:
* http://openwall.info/wiki/people/solar/software/public-domain-source-code/md5
*
* Author:
* Alexander Peslyak, better known as Solar Designer <solar at openwall.com>
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 *
* This differs from Colin Plumb's older public domain implementation in that
* no exactly 32-bit integer data type is required (any 32-bit or wider
* unsigned integer data type will do), there's no compile-time endianness
* configuration, and the function prototypes match OpenSSL's.  No code from
* Colin Plumb's implementation has been reused; this comment merely compares
* the properties of the two independent implementations.
*
* The primary goals of this implementation are portability and ease of use.
* It is meant to be fast, but not as fast as possible.  Some known
* optimizations are not included to reduce source code size and avoid
* compile-time configuration.
*/
```

Found in path(s):
* /opt/cola/permits/2402369505_1742912477.4979162/0/freetype-2-13-2-dfsg-orig-ft2demos-1-tar-xz/ft2demos-2.13.2/src/md5.c

1.8319 libglvnd-core-dev 1.7.0-1build1

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1.8320 libgles2 1.7.0-1build1

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1.8321 libgles1 1.7.0-1build1

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1.8322 libbrotli-dev 1.1.0-2build2

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1.8323 libxt-dev 1.2.1-1.2build1

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1.8324 libgl1-mesa-dev 24.2.8-1ubuntu1~24.04.1

1.8324.1 Available under license :

```
# Copyright  2018 Rob Clark
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libfreedreno_layout = static_library(
 'freedreno_layout',
 [
   'fd5_layout.c',
   'fd6_format_table.c',
   'fd6_layout.c',
   'fd6_view.c',
   'freedreno_layout.c',
   freedreno_xml_header_files,
 ],
 include_directories : [inc_freedreno, inc_include, inc_src],
 c_args : [no_override_init_args],
 gnu_symbol_visibility : 'hidden',
 dependencies : [idep_nir_headers, idep_mesautil],
 build_by_default : false,
)
```

```
foreach major : ['5', '6']
 test(
   'fd' + major + '_layout',
   executable(
     'fd' + major + '_layout',
     [
       'fd_layout_test.c',
       'fd' + major + '_layout_test.c',
       freedreno_xml_header_files,
     ],
     link_with: libfreedreno_layout,
     dependencies : idep_mesautil,
     include_directories: [
       inc_include,
       inc_src,
       inc_freedreno],
   ),
   suite : ['freedreno'],
 )
endforeach
```

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1.8325 libglumesa 9.0.2-1.1build1

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** April 1, 1999; The OpenGL(R) Graphics System Utility Library (Version
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** Window System(R) (Version 1.3), released October 19, 1998. This software
** was created using the OpenGL(R) version 1.2.1 Sample Implementation
** published by SGI, but has not been independently verified as being
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**
*/
```

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*

/opt/cola/permits/2402369548_1747834777.6364775/0/libglu-9-0-2-orig-1-tar-gz/glu-9.0.2/src/libnurbs/interface/bezierEval.cc
* /opt/cola/permits/2402369548_1747834777.6364775/0/libglu-9-0-2-orig-1-tar-gz/glu-9.0.2/src/libnurbs/nurbtess/polyDBG.cc
* /opt/cola/permits/2402369548_1747834777.6364775/0/libglu-9-0-2-orig-1-tar-gz/glu-9.0.2/src/libnurbs/interface/glrenderer.cc
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* /opt/cola/permits/2402369548_1747834777.6364775/0/libglu-9-0-2-orig-1-tar-gz/glu-9.0.2/src/libnurbs/internals/basicsurfeval.h
* /opt/cola/permits/2402369548_1747834777.6364775/0/libglu-9-0-2-orig-1-tar-gz/glu-9.0.2/src/libnurbs/internals/arcsorter.h
*

/opt/cola/permits/2402369548_1747834777.6364775/0/libglu-9-0-2-orig-1-tar-gz/glu-9.0.2/src/libnurbs/internals/gridline.h
* /opt/cola/permits/2402369548_1747834777.6364775/0/libglu-9-0-2-orig-1-tar-gz/glu-9.0.2/src/libnurbs/internals/backend.h
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** OpenGL(R) Graphics System: A Specification (Version 1.2.1), released
** April 1, 1999; The OpenGL(R) Graphics System Utility Library (Version
** 1.3), released November 4, 1998; and OpenGL(R) Graphics with the X
** Window System(R) (Version 1.3), released October 19, 1998. This software
** was created using the OpenGL(R) version 1.2.1 Sample Implementation
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1.8332 freeglut3-dev 3.4.0-1build1

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1.8333 libglvnd-dev 1.7.0-1build1

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1.8335 libglut3.12 3.4.0-1build1

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1.8336 libglu1-mesa-dev 9.0.2-1.1build1

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Found in path(s):
* /opt/cola/permits/2402369537_1742912524.5676506/0/libglu-9-0-2-orig-1-tar-gz/glu-9.0.2/configure.ac

1.8337 python3-psycopg2 2.9.9-1build1

1.8337.1 Available under license :

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1.8338 pyparsing 3.2.3

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1.8339 vim-tiny 9.1.0016-1ubuntu7.6

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uganda.txt For Vim version 9.1. Last change: 2022 Mar 02

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==========

Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there usually is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that in the past 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. Although AIDS is now mostly under control, the problems are still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is

also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a clinic at the project, which provides children and their family medical help. Since 2020 a maternity ward was added and 24/7 service is available. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

donate

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my

personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on
the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money: *iccf-donations*

Check the ICCF web site for the latest information! See |iccf| for the URL.

USA: The methods mentioned below can be used.
If you must send a check send it to our Canadian partner:
https://www.kuwasha.net/

Canada: Contact Kuwasha in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. Kuwasha forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated because of Vim. Look on their site for information about sponsorship: https://www.kuwasha.net/
If you make a donation to Kuwasha you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Amersfoort. This will allow for tax deduction if you live in Holland. ING bank, IBAN: NL95 INGB 0004 5487 74

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1.8341 micrometer-core 1.13.12

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jar/io/micrometer/core/instrument/dropwizard/DropwizardDistributionSummary.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/AbstractDistributionSummary.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/cache/HazelcastCacheMetrics.java
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*
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* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/util/internal/logging/InternalLogLevel.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/util/internal/logging/JdkLoggerFactory.java
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*
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* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-
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* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-
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jar/io/micrometer/core/instrument/observation/ObservationOrTimerCompatibleInstrumentation.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-
jar/io/micrometer/core/instrument/binder/jetty/package-info.java
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jar/io/micrometer/core/instrument/config/validate/package-info.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-
jar/io/micrometer/core/instrument/binder/jersey/server/ObservationRequestEventListener.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-
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* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/StrongReferenceGaugeFunction.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/logging/LoggingRegistryConfig.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/logging/LoggingMeterRegistry.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/MultiGauge.java
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* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/push/PushMeterRegistry.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/util/NamedThreadFactory.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/ipc/http/HttpStatusClass.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/kafka/KafkaConsumerMetrics.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/ipc/http/HttpUrlConnectionSender.java
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* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/jvm/JvmInfoMetrics.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/mongodb/DefaultMongoConnectionPoolTagsProvider.java
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* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/grpc/MetricCollectingServerInterceptor.java
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* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/kotlin/ObservationCoroutineContextServerInterceptor.kt
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/jetty/JettyServerThreadPoolMetrics.java
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* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/grpc/ObservationGrpcClientCallListener.java
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* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/grpc/ObservationGrpcServerCall.java
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* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/grpc/DefaultGrpcServerObservationConvention.java
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* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/jetty/TimedHandler.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/mongodb/MongoMetricsConnectionPoolListener.java
*
/opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/internal/TimedCallable.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-

jar/io/micrometer/core/instrument/internal/TimedRunnable.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/MicrometerHttpRequestExecutor.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/PoolingHttpClientConnectionManagerMetricsBinder.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/mongodb/MongoMetricsCommandListener.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/util/internal/logging/WarnThenDebugLogger.java
*
 /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/jetty/OnCompletionAsyncListener.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/jetty/JettyConnectionMetrics.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/Timer.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/internal/TimedScheduledExecutorService.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/hc5/PoolingHttpClientConnectionManagerMetricsBinder.java
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* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/hc5/MicrometerHttpClientInterceptor.java
*
 /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/hc5/package-info.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-

jar/io/micrometer/core/instrument/binder/jetty/JettyClientContext.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/hc5/ApacheHttpClientObservationConvention.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/hc5/ApacheHttpClientObservationDocumentation.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/jetty/JettyClientObservationConvention.java
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/opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/aop/MeterTagAnnotationHandler.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/jetty/JettyClientKeyValues.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/netty4/NettyMeters.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/netty4/NettyAllocatorMetrics.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/distribution/StepBucketHistogram.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/hc5/ApacheHttpClientContext.java
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/opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/hc5/DefaultApacheHttpClientObservationConvention.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/hc5/ObservationExecChainHandler.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/step/StepMeter.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/jetty/DefaultJettyClientObservationConvention.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/netty4/package-info.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/jetty/JettyClientObservationDocumentation.java
*
/opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/hc5/DefaultUriMapper.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/netty4/NettyEventExecutorMetrics.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/hc5/HttpContextUtils.java
* /opt/cola/permits/2402377622_1742912517.6132326/0/micrometer-core-1-13-12-sources-jar/io/micrometer/core/instrument/binder/http/HttpJakartaServletRequestTags.java

1.8342 micrometer-observation 1.13.12

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* /opt/cola/permits/2402377539_1742912314.2781272/0/micrometer-observation-1-13-12-sources-jar/io/micrometer/observation/SimpleEvent.java

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* /opt/cola/permits/2402377539_1742912314.2781272/0/micrometer-observation-1-13-12-sources-jar/io/micrometer/observation/annotation/Observed.java
* /opt/cola/permits/2402377539_1742912314.2781272/0/micrometer-observation-1-13-12-sources-jar/io/micrometer/observation/ObservationView.java
*
 /opt/cola/permits/2402377539_1742912314.2781272/0/micrometer-observation-1-13-12-sources-jar/io/micrometer/observation/transport/SenderContext.java
* /opt/cola/permits/2402377539_1742912314.2781272/0/micrometer-observation-1-13-12-sources-jar/io/micrometer/observation/docs/package-info.java
* /opt/cola/permits/2402377539_1742912314.2781272/0/micrometer-observation-1-13-12-sources-jar/io/micrometer/observation/ObservationRegistry.java
* /opt/cola/permits/2402377539_1742912314.2781272/0/micrometer-observation-1-13-12-sources-jar/io/micrometer/observation/transport/RequestReplySenderContext.java
* /opt/cola/permits/2402377539_1742912314.2781272/0/micrometer-observation-1-13-12-sources-jar/io/micrometer/observation/ObservationHandler.java
* /opt/cola/permits/2402377539_1742912314.2781272/0/micrometer-observation-1-13-12-sources-jar/io/micrometer/observation/transport/Propagator.java
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* /opt/cola/permits/2402377539_1742912314.2781272/0/micrometer-observation-1-13-12-sources-jar/io/micrometer/observation/NoopObservationConfig.java
* /opt/cola/permits/2402377539_1742912314.2781272/0/micrometer-observation-1-13-12-sources-jar/io/micrometer/observation/contextpropagation/package-info.java
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* /opt/cola/permits/2402377539_1742912314.2781272/0/micrometer-observation-1-13-12-sources-

jar/io/micrometer/observation/aop/ObservedAspect.java
* /opt/cola/permits/2402377539_1742912314.2781272/0/micrometer-observation-1-13-12-sources-jar/io/micrometer/observation/ObservationFilter.java
* /opt/cola/permits/2402377539_1742912314.2781272/0/micrometer-observation-1-13-12-sources-jar/io/micrometer/observation/package-info.java
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* /opt/cola/permits/2402377539_1742912314.2781272/0/micrometer-observation-1-13-12-sources-jar/io/micrometer/observation/ObservationTextPublisher.java
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* /opt/cola/permits/2402377539_1742912314.2781272/0/micrometer-observation-1-13-12-sources-jar/io/micrometer/observation/annotation/package-info.java
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* /opt/cola/permits/2402377539_1742912314.2781272/0/micrometer-observation-1-13-12-sources-jar/io/micrometer/observation/transport/package-info.java
* /opt/cola/permits/2402377539_1742912314.2781272/0/micrometer-observation-1-13-12-sources-jar/io/micrometer/observation/GlobalObservationConvention.java
* /opt/cola/permits/2402377539_1742912314.2781272/0/micrometer-observation-1-13-12-sources-jar/io/micrometer/observation/SimpleObservation.java
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* /opt/cola/permits/2402377539_1742912314.2781272/0/micrometer-observation-1-13-12-sources-jar/io/micrometer/observation/aop/ObservedAspectObservationDocumentation.java
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1.8343 jetty-ee10-servlet 12.0.18

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* /opt/cola/permits/2402377669_1742912456.5390644/0/jetty-ee10-servlet-12-0-18-sources-jar/org/eclipse/jetty/ee10/servlet/AsyncContentProducer.java
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* /opt/cola/permits/2402377669_1742912456.5390644/0/jetty-ee10-servlet-12-0-18-sources-jar/org/eclipse/jetty/ee10/servlet/AsyncContextEvent.java
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* /opt/cola/permits/2402377669_1742912456.5390644/0/jetty-ee10-servlet-12-0-18-sources-jar/org/eclipse/jetty/ee10/servlet/ManagedAttributeListener.java
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* /opt/cola/permits/2402377669_1742912456.5390644/0/jetty-ee10-servlet-12-0-18-sources-jar/org/eclipse/jetty/ee10/servlet/AsyncContextState.java
* /opt/cola/permits/2402377669_1742912456.5390644/0/jetty-ee10-servlet-12-0-18-sources-jar/org/eclipse/jetty/ee10/servlet/Invoker.java
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* /opt/cola/permits/2402377669_1742912456.5390644/0/jetty-ee10-servlet-12-0-18-sources-jar/org/eclipse/jetty/ee10/servlet/ErrorHandler.java
* /opt/cola/permits/2402377669_1742912456.5390644/0/jetty-ee10-servlet-12-0-18-sources-jar/org/eclipse/jetty/ee10/servlet/BlockingContentProducer.java
* /opt/cola/permits/2402377669_1742912456.5390644/0/jetty-ee10-servlet-12-0-18-sources-jar/org/eclipse/jetty/ee10/servlet/HttpInput.java
* /opt/cola/permits/2402377669_1742912456.5390644/0/jetty-ee10-servlet-12-0-18-sources-jar/org/eclipse/jetty/ee10/servlet/EagerFormHandler.java
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* /opt/cola/permits/2402377669_1742912456.5390644/0/jetty-ee10-servlet-12-0-18-sources-jar/org/eclipse/jetty/ee10/servlet/DebugListener.java
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1.8344 spring-context 6.1.18

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* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/jmx/export/assembler/AbstractReflectiveMBeanInfoAssembler.java
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* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/format/FormatterRegistry.java
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* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/jndi/JndiObjectLocator.java
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* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/scripting/config/ScriptingDefaultsParser.java
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* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/context/annotation/ScopedProxyCreator.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/context/expression/BeanFactoryResolver.java
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* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/context/annotation/Scope.java
*

/opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/context/weaving/AspectJWeavingEnabler.java
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* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/scheduling/concurrent/SimpleAsyncTaskScheduler.java
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* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/scripting/support/RefreshableScriptTargetSource.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/jmx/export/assembler/MBeanInfoAssembler.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-

jar/org/springframework/scheduling/support/DelegatingErrorHandlingRunnable.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/jmx/export/notification/UnableToSendNotificationException.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/instrument/classloading/LoadTimeWeaver.java
*
/opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/scheduling/config/TaskNamespaceHandler.java
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* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/jmx/export/SpringModelMBean.java
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*/
```

```
/**
* Abstract the invocation of a cache operation.
*
* <p>Does not provide a way to transmit checked exceptions but
* provides a special exception that should be used to wrap any
* exception that was thrown by the underlying invocation.
* Callers are expected to handle this issue type specifically.
 *
* @author Stephane Nicoll
* @since 4.1
*/
```

Found in path(s):
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/cache/interceptor/CacheOperationInvoker.java
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* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/format/Parser.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/scheduling/config/ScheduledTasksBeanDefinitionParser.java
*
 /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/jndi/JndiLocatorDelegate.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/format/datetime/standard/TemporalAccessorPrinter.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/scheduling/annotation/Schedules.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-

jar/org/springframework/cache/interceptor/KeyGenerator.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/jndi/JndiPropertySource.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/format/datetime/standard/PeriodFormatter.java
*
/opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/context/support/GenericXmlApplicationContext.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/context/annotation/ScopeMetadataResolver.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/format/support/FormatterPropertyEditorAdapter.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/context/config/AbstractPropertyLoadingBeanDefinitionParser.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/cache/support/CompositeCacheManager.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/context/config/PropertyOverrideBeanDefinitionParser.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/format/Printer.java
*
/opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/format/datetime/standard/YearMonthFormatter.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/format/datetime/standard/DurationFormatter.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/scripting/groovy/GroovyObjectCustomizer.java
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*/
/**
* Indicates that a component is only eligible for registration when all
* {@linkplain #value specified conditions} match.
*
```

```
* <p>A <em>condition</em> is any state that can be determined programmatically
* before the bean definition is due to be registered (see {@link Condition} for details).
*
*
 <p>The {@code @Conditional} annotation may be used in any of the following ways:
* <ul>
* <li>as a type-level annotation on any class directly or indirectly annotated with
* {@code @Component}, including {@link Configuration @Configuration} classes</li>
* <li>as a meta-annotation, for the purpose of composing custom stereotype
* annotations</li>
* <li>as a method-level annotation on any {@link Bean @Bean} method</li>
* </ul>
*
* <p>If a {@code @Configuration} class is marked with {@code @Conditional},
* all of the {@code @Bean} methods, {@link Import @Import} annotations, and
* {@link ComponentScan @ComponentScan} annotations associated with that
* class will be subject to the conditions.
*
* <p><strong>NOTE</strong>: Inheritance of {@code @Conditional} annotations
* is not supported; any conditions from superclasses or from overridden
* methods will not be considered. In order to enforce these semantics,
* {@code @Conditional} itself is not declared as
* {@link java.lang.annotation.Inherited
 @Inherited}; furthermore, any
* custom <em>composed annotation</em> that is meta-annotated with
* {@code @Conditional} must not be declared as {@code @Inherited}.
*
* @author Phillip Webb
* @author Sam Brannen
* @since 4.0
* @see Condition
*/
```

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* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/context/expression/EnvironmentAccessor.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/context/EnvironmentAware.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/instrument/classloading/SimpleThrowawayClassLoader.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/context/support/ConversionServiceFactoryBean.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/format/datetime/standard/DateTimeFormatterFactoryBean.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/jmx/export/metadata/ManagedResource.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/scheduling/config/ScheduledTaskHolder.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/jmx/support/MetricType.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/jndi/TypeMismatchNamingException.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/scheduling/config/Task.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/scripting/ScriptFactory.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/validation/beanvalidation/CustomValidatorBean.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/jmx/export/naming/ObjectNamingStrategy.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/context/MessageSourceResolvable.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/format/number/money/MonetaryAmountFormatter.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/jmx/export/metadata/JmxMetadataUtils.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/scheduling/support/MethodInvokingRunnable.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/cache/concurrent/ConcurrentMapCacheFactoryBean.java

* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/context/support/ClassPathXmlApplicationContext.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/context/support/AbstractRefreshableConfigApplicationContext.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/format/number/NumberFormatAnnotationFormatterFactory.java
*
/opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/scripting/bsh/BshScriptEvaluator.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/format/number/CurrencyStyleFormatter.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/instrument/classloading/glassfish/GlassFishLoadTimeWeaver.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/context/support/EmbeddedValueResolutionSupport.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/jmx/export/metadata/ManagedMetric.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/jmx/export/assembler/AbstractMBeanInfoAssembler.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/jmx/export/NotificationListenerBean.java
*
/opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/context/config/LoadTimeWeaverBeanDefinitionParser.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/instrument/classloading/SimpleLoadTimeWeaver.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/validation/DefaultMessageCodesResolver.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/instrument/classloading/tomcat/TomcatLoadTimeWeaver.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/context/annotation/AspectJAutoProxyRegistrar.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/cache/interceptor/SimpleCacheErrorHandler.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/jndi/JndiAccessor.java
*
/opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/cache/config/CacheNamespaceHandler.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/scripting/support/StaticScriptSource.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/instrument/classloading/SimpleInstrumentableClassLoader.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/cache/interceptor/CacheErrorHandler.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/jmx/access/ConnectorDelegate.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-

jar/org/springframework/stereotype/Indexed.java
* /opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/jmx/export/metadata/ManagedNotification.java
*
/opt/cola/permits/2402377548_1742913020.518822/0/spring-context-6-1-18-sources-jar/org/springframework/scheduling/concurrent/ScheduledExecutorTask.java

1.8345 spring-jdbc 6.1.18

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* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabaseFactoryRuntimeHints.java
*
/opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/metadata/DerbyCallMetaDataProvider.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/BeanPropertyRowMapper.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/JdbcTemplate.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/IncorrectResultSetColumnCountException.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/namedparam/SqlParameterSourceUtils.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/simple/SimpleJdbcCallOperations.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-

jar/org/springframework/jdbc/core/support/SqlCharacterValue.java
*
/opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/core/support/SqlBinaryValue.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/support/rowset/ResultSetWrappingSqlRowSet.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/core/support/SqlLobValue.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/JdbcUpdateAffectedIncorrectNumberOfRowsException.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/core/metadata/GenericTableMetaDataProvider.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/support/xml/SqlXmlValue.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/support/CustomSQLExceptionTranslatorRegistry.java
*
/opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/core/metadata/TableMetaDataContext.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/core/support/AbstractLobCreatingPreparedStatementCallback.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/object/StoredProcedure.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/core/metadata/CallMetaDataContext.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/core/support/AbstractLobStreamingResultSetExtractor.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/support/JdbcUtils.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/support/SQLErrorCodesFactory.java
*
/opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/core/metadata/GenericCallMetaDataProvider.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/core/simple/AbstractJdbcInsert.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/core/metadata/TableMetaDataProvider.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabaseFactoryBean.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/core/metadata/CallMetaDataProviderFactory.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/object/RdbmsOperation.java
*
/opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/core/InterruptibleBatchPreparedStatementSetter.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-

jar/org/springframework/jdbc/core/StatementCreatorUtils.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/metadata/Db2CallMetaDataProvider.java
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* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/config/JdbcNamespaceHandler.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-

jar/org/springframework/jdbc/support/xml/XmlResultProvider.java
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jar/org/springframework/jdbc/core/BatchPreparedStatementSetter.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
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jar/org/springframework/jdbc/support/incrementer/AbstractSequenceMaxValueIncrementer.java
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* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
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* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/support/xml/XmlBinaryStreamProvider.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/support/MetaDataAccessException.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/datasource/lookup/JndiDataSourceLookup.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/datasource/embedded/SimpleDriverDataSourceFactory.java
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jar/org/springframework/jdbc/config/SortedResourcesFactoryBean.java

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* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/incrementer/HsqlSequenceMaxValueIncrementer.java
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* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/namedparam/NamedParameterJdbcDaoSupport.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/object/SqlQuery.java
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* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/SqlReturnResultSet.java
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* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/namedparam/EmptySqlParameterSource.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/embedded/OutputStreamFactory.java
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* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/init/ScriptException.java
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 /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/metadata/TableMetaDataProviderFactory.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/init/DatabasePopulatorUtils.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/incrementer/AbstractDataFieldMaxValueIncrementer.java
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* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/SqlParameterValue.java
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* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabase.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/init/ScriptStatementFailedException.java
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* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/AbstractDriverBasedDataSource.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/ConnectionProxy.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/CustomSQLErrorCodesTranslation.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/lob/DefaultLobHandler.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-

jar/org/springframework/jdbc/core/metadata/OracleCallMetaDataProvider.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/datasource/lookup/BeanFactoryDataSourceLookup.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/core/ParameterDisposer.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/support/xml/Jdbc4SqlXmlHandler.java
*
 /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-
jar/org/springframework/jdbc/config/InitializeDatabaseBeanDefinitionParser.java
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*/
/**
* Implement this interface when parameters need to be customized based
* on the connection. We might need to do this to make use of proprietary
* features, available only with a specific Connection type.
*
* @author Rod Johnson
* @author Thomas Risberg
* @see CallableStatementCreatorFactory#newCallableStatementCreator(ParameterMapper)
 * @see org.springframework.jdbc.object.StoredProcedure#execute(ParameterMapper)
*/
/**
  * Create a Map of input parameters, keyed by name.
  * @param con a JDBC connection. This is useful (and the purpose of this interface)
  * if we need to do something RDBMS-specific with a proprietary Connection
  * implementation class. This class conceals such proprietary details. However,
  * it is best to avoid using such proprietary RDBMS features if possible.
  * @return a Map of input parameters, keyed by name (never {@code null})
  * @throws SQLException if an SQLException is encountered setting
  * parameter values (that is, there's no need to catch SQLException)
  */
```

Found in path(s):
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* limitations under the License.
*/
/**
* Strategy interface for translating between {@link SQLException SQLExceptions}
* and Spring's data access strategy-agnostic {@link DataAccessException}
* hierarchy.
*
* <p>Implementations can be generic (for example, using
* {@link java.sql.SQLException#getSQLState() SQLState} codes for JDBC) or
 wholly
* proprietary (for example, using Oracle error codes) for greater precision.
*
* @author Rod Johnson
* @author Juergen Hoeller
* @see org.springframework.dao.DataAccessException
*/
```

Found in path(s):
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/SQLExceptionTranslator.java
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*/
/**
  * Close this LobCreator session and free its temporarily created BLOBs and CLOBs.
  * Will not need to do anything if using PreparedStatement's standard methods,
  * but might be necessary to free database resources if using proprietary means.
  * <p><b>NOTE</b>: Needs to be invoked after the involved
 PreparedStatements have
  * been executed or the affected O/R mapping sessions have been flushed.
  * Otherwise, the database resources for the temporary BLOBs might stay allocated.
  */
```

Found in path(s):
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/lob/LobCreator.java
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* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/incrementer/MySQLIdentityColumnMaxValueIncrementer.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/IsolationLevelDataSourceAdapter.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/RowCallbackHandler.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/namedparam/NamedParameterUtils.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/metadata/PostgresCallMetaDataProvider.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/namedparam/MapSqlParameterSource.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/SQLExceptionSubclassTranslator.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/SqlValue.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/SingleConnectionDataSource.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/JdbcAccessor.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/simple/SimpleJdbcCall.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/JdbcTransactionManager.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/init/DataSourceInitializer.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/simple/AbstractJdbcCall.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/incrementer/DerbyMaxValueIncrementer.java
*

/opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/DriverManagerDataSource.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/SQLStateSQLExceptionTranslator.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/incrementer/SybaseAnywhereMaxValueIncrementer.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/JdbcOperationsExtensions.kt
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/namedparam/NamedParameterJdbcTemplate.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/simple/JdbcClient.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/SQLErrorCodeSQLExceptionTranslator.java
*
/opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/SimplePropertyRowMapper.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/RowMapper.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/SingleColumnRowMapper.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/ArgumentPreparedStatementSetter.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/DataSourceTransactionManager.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/PreparedStatementCreatorFactory.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/config/DatabasePopulatorConfigUtils.java
*
/opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/ArgumentTypePreparedStatementSetter.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/namedparam/BeanPropertySqlParameterSource.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/rowset/SqlRowSet.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/AbstractDataSource.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/lookup/IsolationLevelDataSourceRouter.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/JdbcOperations.java
*
/opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/simple/SimpleJdbcInsert.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/LazyConnectionDataSourceProxy.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-

jar/org/springframework/jdbc/datasource/lookup/AbstractRoutingDataSource.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/JdbcTransactionObjectSupport.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/metadata/SqlServerCallMetaDataProvider.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/ShardingKeyProvider.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/simple/SimpleJdbcInsertOperations.java
*
/opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/metadata/CallParameterMetaData.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/SQLWarningException.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/AbstractFallbackSQLExceptionTranslator.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/DelegatingDataSource.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/namedparam/SimplePropertySqlParameterSource.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/namedparam/NamedParameterJdbcOperations.java
*
/opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/incrementer/SqlServerMaxValueIncrementer.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/init/ScriptUtils.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/simple/DefaultJdbcClient.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/ShardingKeyDataSourceAdapter.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/incrementer/SybaseMaxValueIncrementer.java
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* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/metadata/SybaseCallMetaDataProvider.java
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/opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/SqlArrayValue.java
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* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/lob/LobHandler.java
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/**
* The classes in this package make JDBC easier to use and
* reduce the likelihood of common errors. In particular, they:
*
* Simplify error handling, avoiding the need for try/catch/finally
* blocks in application code.
* Present exceptions to application code in a generic hierarchy of
* unchecked exceptions, enabling applications to catch data access
* exceptions without being dependent on JDBC, and to ignore fatal
* exceptions there is no value in catching.
* Allow the implementation of error handling to be modified
* to target different RDBMSes without introducing proprietary
* dependencies into application code.
*
*
* <p>This package and related packages are discussed in Chapter 9 of
* Expert One-On-One J2EE Design and Development
* by Rod Johnson (Wrox, 2002).
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* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/incrementer/SqlServerSequenceMaxValueIncrementer.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/namedparam/AbstractSqlParameterSource.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/object/SqlFunction.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/incrementer/MariaDBSequenceMaxValueIncrementer.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabaseFactory.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabaseType.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/RowMapperResultSetExtractor.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/lob/PassThroughBlob.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/lob/PassThroughClob.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/support/JdbcDaoSupport.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/core/CallableStatementCreatorFactory.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/support/incrementer/H2SequenceMaxValueIncrementer.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/CannotGetJdbcConnectionException.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-

jar/org/springframework/jdbc/datasource/SimpleDriverDataSource.java
* /opt/cola/permits/2402377558_1742912508.8875432/0/spring-jdbc-6-1-18-sources-jar/org/springframework/jdbc/datasource/init/DatabasePopulator.java

1.8346 spring-web 6.1.18

1.8346.1 Available under license :

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* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/web/util/UriBuilderFactory.java
* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/http/server/DefaultRequestPath.java
* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/web/accept/ServletPathExtensionContentNegotiationStrategy.java
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* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/web/jsf/DelegatingPhaseListenerMulticaster.java

* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/web/context/ConfigurableWebEnvironment.java
* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/http/MediaTypeEditor.java
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*/
/**
  * Return the web session for the current request. Always guaranteed  to
  * return an instance either matching to the session id requested by the
  * client, or with a new session id either because the client did not
  * specify one or because the underlying session had expired. Use of this
  * method
 does not automatically create a session. See {@link WebSession}
  * for more details.
  */
```

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* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/http/client/InterceptingClientHttpRequestFactory.java
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* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/http/HttpInputMessage.java
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* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/http/codec/cbor/Jackson2CborDecoder.java
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* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/web/context/request/async/DeferredResult.java
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This file maps Internet media types to unique file extension(s).
Although created for httpd, this file is used by many software systems
and has been placed in the public domain for unlimited redistribution.
#
The table below contains both registered and (common) unregistered types.
A type that has no unique extension can be ignored -- they are listed
here to guide configurations toward known types and to make it easier to
identify "new" types. File extensions are also commonly used to indicate
content languages and encodings, so choose them carefully.
#
Internet media types should be registered as described in RFC 4288.
The registry is at <https://www.iana.org/assignments/media-types/>.
#
This file was retrieved from
https://svn.apache.org/viewvc/httpd/httpd/trunk/docs/conf/mime.types?revision=1752884&view=co
#
MIME type (lowercased)   Extensions
== ==========
#
 application/1d-interleaved-parityfec
application/3gpdash-qoe-report+xml
application/3gpp-ims+xml
application/a2l
application/activemessage
application/alto-costmap+json
application/alto-costmapfilter+json
application/alto-directory+json
application/alto-endpointcost+json
application/alto-endpointcostparams+json
application/alto-endpointprop+json
application/alto-endpointpropparams+json
application/alto-error+json
application/alto-networkmap+json
application/alto-networkmapfilter+json
application/aml

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* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/http/converter/feed/RssChannelHttpMessageConverter.java
* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/web/context/request/async/TimeoutCallableProcessingInterceptor.java
* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/web/method/support/UriComponentsContributor.java
* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/http/codec/multipart/Part.java
* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/web/method/annotation/SessionStatusMethodArgumentResolver.java
* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/web/bind/support/DefaultSessionAttributeStore.java
* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/web/bind/support/WebArgumentResolver.java
* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/web/context/support/ContextExposingHttpServletRequest.java
* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/http/converter/json/MappingJacksonInputMessage.java
* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/web/context/request/AsyncWebRequestInterceptor.java
* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/web/bind/support/SessionAttributeStore.java
* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/web/cors/reactive/CorsProcessor.java
* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/http/client/support/ProxyFactoryBean.java
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*

/opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/web/context/request/async/AsyncWebRequest.java
* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/web/context/request/NativeWebRequest.java
* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/http/codec/multipart/FormFieldPart.java
* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/http/converter/json/GsonFactoryBean.java
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* /opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/web/multipart/MultipartException.java
*
/opt/cola/permits/2402377603_1742913022.3375685/0/spring-web-6-1-18-sources-jar/org/springframework/web/jsf/el/SpringBeanFacesELResolver.java
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* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/framework/autoproxy/InfrastructureAdvisorAutoProxyCreator.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/aspectj/annotation/AnnotationAwareAspectJAutoProxyCreator.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/support/AbstractExpressionPointcut.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/config/MethodLocatingFactoryBean.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/config/AspectComponentDefinition.java
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 /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/framework/JdkDynamicAopProxy.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/aspectj/annotation/InstantiationModelAwarePointcutAdvisorImpl.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/interceptor/AsyncExecutionInterceptor.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/scope/ScopedProxyBeanRegistrationAotProcessor.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-

jar/org/springframework/aop/framework/AdvisedSupport.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/aspectj/annotation/AbstractAspectJAdvisorFactory.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/aspectj/annotation/AspectJAdvisorBeanRegistrationAotProcessor.java
*
/opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/aspectj/annotation/BeanFactoryAspectJAdvisorsBuilder.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/support/AopUtils.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/framework/autoproxy/AbstractAdvisorAutoProxyCreator.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/aspectj/AspectJExpressionPointcut.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/support/ControlFlowPointcut.java
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*
/opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/framework/CglibAopProxy.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/aspectj/annotation/AspectMetadata.java
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* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/support/DynamicMethodMatcherPointcut.java

* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/support/StaticMethodMatcherPointcut.java
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 /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/AopInvocationException.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/framework/adapter/UnknownAdviceTypeException.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/framework/AopConfigException.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/Pointcut.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/support/JdkRegexpMethodPointcut.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/framework/adapter/AfterReturningAdviceAdapter.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/target/PoolingConfig.java
*
 /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/framework/adapter/MethodBeforeAdviceAdapter.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/config/SpringConfiguredBeanDefinitionParser.java
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* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/PointcutAdvisor.java
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* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/target/SimpleBeanTargetSource.java
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 /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/AfterReturningAdvice.java
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* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/target/ThreadLocalTargetSourceStats.java
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* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/TargetClassAware.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/aspectj/annotation/PrototypeAspectInstanceFactory.java
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* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/framework/autoproxy/TargetSourceCreator.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/aopalliance/intercept/MethodInvocation.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/aspectj/annotation/SingletonMetadataAwareAspectInstanceFactory.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/aopalliance/aop/Advice.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/aspectj/annotation/SimpleMetadataAwareAspectInstanceFactory.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/aopalliance/intercept/Invocation.java

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* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/DynamicIntroductionAdvice.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/aopalliance/intercept/Joinpoint.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/interceptor/PerformanceMonitorInterceptor.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/framework/ProxyConfig.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/aspectj/AspectJAroundAdvice.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/interceptor/ExposeBeanNameAdvisors.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/target/AbstractPoolingTargetSource.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/scope/ScopedProxyFactoryBean.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/config/AspectJAutoProxyBeanDefinitionParser.java
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* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/framework/autoproxy/DefaultAdvisorAutoProxyCreator.java
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* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/aopalliance/intercept/MethodInterceptor.java
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* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/framework/autoproxy/ProxyCreationContext.java
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* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/aspectj/DeclareParentsAdvisor.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/config/AspectEntry.java
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* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/support/DelegatePerTargetObjectIntroductionInterceptor.java
*
 /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/aspectj/annotation/AspectJProxyFactory.java
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* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/config/AopNamespaceHandler.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/framework/AopContext.java
*
/opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/framework/autoproxy/BeanNameAutoProxyCreator.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/interceptor/SimpleTraceInterceptor.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/framework/adapter/AfterReturningAdviceInterceptor.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/interceptor/DebugInterceptor.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/aspectj/AspectJAfterThrowingAdvice.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/interceptor/ExposeInvocationInterceptor.java
*
/opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/framework/adapter/MethodBeforeAdviceInterceptor.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/config/AdvisorEntry.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/interceptor/ConcurrencyThrottleInterceptor.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/interceptor/AbstractMonitoringInterceptor.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/interceptor/AbstractTraceInterceptor.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/aspectj/AspectJAfterAdvice.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/aspectj/autoproxy/AspectJPrecedenceComparator.java
*
/opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/config/PointcutEntry.java
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* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/BeforeAdvice.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/AfterAdvice.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/RawTargetAccess.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/framework/AopInfrastructureBean.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/IntroductionInterceptor.java
* /opt/cola/permits/2402377648_1742912485.7174919/0/spring-aop-6-1-18-sources-jar/org/springframework/aop/SpringProxy.java

1.8348 spring-web-mvc 6.1.18

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/**
* XSLT-driven View that allows for response context to be rendered as the
* result of an XSLT transformation.
*
* <p>The XSLT Source object is supplied as a parameter in the model and then
* {@link #locateSource detected} during response rendering. Users can either specify
* a specific entry in the
 model via the {@link #setSourceKey sourceKey} property or
* have Spring locate the Source object. This class also provides basic conversion
* of objects into Source implementations. See {@link #getSourceTypes() here}
* for more details.
*
* <p>All model parameters are passed to the XSLT Transformer as parameters.
* In addition the user can configure {@link #setOutputProperties output properties}
* to be passed to the Transformer.
*
* @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
*/
```

Found in path(s):
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/view/xslt/XsltView.java

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* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/view/document/AbstractXlsxStreamingView.java
*
 /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/mvc/annotation/ModelAndViewResolver.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/view/document/AbstractXlsxView.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/resource/VersionPathStrategy.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/view/groovy/GroovyMarkupConfig.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/tags/ArgumentAware.java
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jar/org/springframework/web/servlet/mvc/method/annotation/PrincipalMethodArgumentResolver.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/support/WebContentGenerator.java
*
/opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/view/BeanNameViewResolver.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/view/ResourceBundleViewResolver.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/view/InternalResourceViewResolver.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/ViewResolver.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/handler/UserRoleAuthorizationInterceptor.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/mvc/UrlFilenameViewController.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/view/XmlViewResolver.java
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/opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/ContinuationHandlerMethodArgumentResolver.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/view/AbstractTemplateViewResolver.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/view/script/ScriptTemplateViewResolver.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/config/annotation/CorsRegistry.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/support/ServletUriComponentsBuilder.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/HandlerMapping.java
*
/opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/function/AsyncServerResponse.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/view/xslt/XsltViewResolver.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/handler/ConversionServiceExposingInterceptor.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/config/annotation/InterceptorRegistration.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/resource/ResourceUrlProviderExposingInterceptor.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/ModelAndViewResolverMethodReturnValueHandler.j
ava
*
/opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
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* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/mvc/method/annotation/StreamingResponseBodyReturnValueHandler.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-

jar/org/springframework/web/servlet/resource/CachingResourceTransformer.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/config/annotation/DefaultServletHandlerConfigurer.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/function/RouterFunction.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/mvc/condition/AbstractRequestCondition.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/view/script/ScriptTemplateConfigurer.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/handler/HandlerExceptionResolverComposite.java
*
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jar/org/springframework/web/servlet/function/ServerRequestExtensions.kt
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/function/EntityResponse.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/mvc/ServletWrappingController.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/SessionAttributeMethodArgumentResolver.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
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jar/org/springframework/web/servlet/config/annotation/DelegatingWebMvcConfiguration.java
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* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/mvc/condition/MediaTypeExpression.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/mvc/support/RedirectAttributes.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/tags/form/TagIdGenerator.java
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* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/HandlerExceptionResolver.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/mvc/condition/NameValueExpression.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ServletResponseMethodArgumentResolver.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/support/AbstractAnnotationConfigDispatcherServletInitializer.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/tags/TransformTag.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/resource/AbstractVersionStrategy.java

* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/resource/ResourceTransformerSupport.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/resource/ResourceTransformerChain.java
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* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/tags/form/SelectTag.java
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* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/mvc/condition/PatternsRequestCondition.java
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* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/support/JspAwareRequestContext.java
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* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/i18n/LocaleChangeInterceptor.java
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* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/mvc/condition/HeadersRequestCondition.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/mvc/LastModified.java
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* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/mvc/method/annotation/RequestBodyAdvice.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/HandlerExecutionChain.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/tags/form/SelectedValueComparator.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/config/MvcNamespaceHandler.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/function/ChangePathPatternParserVisitor.java
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* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/handler/AbstractDetectingUrlHandlerMapping.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/mvc/method/annotation/MatrixVariableMethodArgumentResolver.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/handler/MatchableHandlerMapping.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/config/annotation/ViewResolverRegistry.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/mvc/method/annotation/RequestBodyAdviceAdapter.java
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* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
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*/
/**
* A contract for inspecting and potentially modifying request data values such
* as URL query parameters or form field values before they are rendered by a
* view or before a redirect.
*
* <p>Implementations may use this contract for example as part of a solution
* to provide data integrity, confidentiality,
 protection against cross-site
* request forgery (CSRF), and others or for other tasks such as automatically
* adding a hidden field to all forms and URLs.

*
* <p>View technologies that support this contract can obtain an instance to
* delegate to via {@link RequestContext#getRequestDataValueProcessor()}.
*
* @author Rossen Stoyanchev
* @since 3.1
*/

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* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/support/AbstractDispatcherServletInitializer.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/i18n/SessionLocaleResolver.java
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 /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/mvc/method/annotation/HttpEntityMethodProcessor.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/ThemeResolver.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/view/groovy/GroovyMarkupView.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/handler/BeanNameUrlHandlerMapping.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/tags/ThemeTag.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/view/groovy/GroovyMarkupConfigurer.java
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* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
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* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-
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* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/theme/FixedThemeResolver.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/function/DefaultRenderingResponseBuilder.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/tags/ParamAware.java
* /opt/cola/permits/2402377593_1742912768.1596205/0/spring-webmvc-6-1-18-sources-jar/org/springframework/web/servlet/tags/form/AbstractHtmlElementBodyTag.java

1.8349 spring-tx 6.1.18

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* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/interceptor/RuleBasedTransactionAttribute.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/interceptor/TransactionAspectSupport.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/interceptor/TransactionAttributeSource.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/interceptor/AbstractFallbackTransactionAttributeSource.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/dao/support/PersistenceExceptionTranslationInterceptor.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/reactive/TransactionContext.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/interceptor/DefaultTransactionAttribute.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/dao/DataIntegrityViolationException.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/annotation/TransactionRuntimeHints.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/reactive/TransactionSynchronizationUtils.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/support/TransactionSynchronizationUtils.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/interceptor/TransactionAttributeSourcePointcut.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/annotation/Ejb3TransactionAnnotationParser.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/annotation/TransactionManagementConfigurer.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/annotation/SpringTransactionAnnotationParser.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/support/DefaultTransactionDefinition.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/support/AbstractPlatformTransactionManager.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/dao/IncorrectUpdateSemanticsDataAccessException.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-

jar/org/springframework/transaction/annotation/JtaTransactionAnnotationParser.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/annotation/EnableTransactionManagement.java
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* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/reactive/TransactionSynchronization.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/StaticTransactionDefinition.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/support/WithoutTransactionOperations.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/support/TransactionOperations.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/interceptor/TransactionAttribute.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/reactive/ReactiveResourceSynchronization.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/reactive/TransactionContextHolder.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/TransactionManager.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/interceptor/TransactionProxyFactoryBean.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/interceptor/CompositeTransactionAttributeSource.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/annotation/TransactionAnnotationParser.java

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* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/annotation/ProxyTransactionManagementConfiguration.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/jca/support/SimpleBootstrapContext.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/event/TransactionPhase.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/jca/support/LocalConnectionFactoryBean.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/reactive/TransactionCallback.java

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* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/TransactionSystemException.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/dao/OptimisticLockingFailureException.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/dao/UncategorizedDataAccessException.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/dao/NonTransientDataAccessException.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/jca/support/ResourceAdapterFactoryBean.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/dao/NonTransientDataAccessResourceException.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/support/CallbackPreferringPlatformTransactionManager.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/dao/DataAccessResourceFailureException.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/dao/TransientDataAccessException.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/dao/DataAccessException.java
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* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/interceptor/RollbackRuleAttribute.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/annotation/AnnotationTransactionAttributeSource.java
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* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/reactive/TransactionalOperatorImpl.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/jta/JtaAfterCompletionSynchronization.java
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* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/reactive/TransactionalOperator.java
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* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/annotation/TransactionManagementConfigurationSelector.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/jta/SpringJtaSynchronizationAdapter.java
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* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-

jar/org/springframework/transaction/TransactionDefinition.java
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* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/ReactiveTransactionManager.java
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 /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/transaction/config/JtaTransactionManagerBeanDefinitionParser.java
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* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/dao/CleanupFailureDataAccessException.java
* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/dao/CannotAcquireLockException.java
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* /opt/cola/permits/2402377549_1742912469.2648902/0/spring-tx-6-1-18-sources-jar/org/springframework/dao/ConcurrencyFailureException.java
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jar/org/springframework/transaction/support/SimpleTransactionScope.java
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* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/UnsatisfiedDependencyException.java
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* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/aot/BeanDefinitionMethodGeneratorFactory.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/support/InstantiationStrategy.java
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* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/config/BeanExpressionResolver.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/config/PropertyResourceConfigurer.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/aot/BeanFactoryInitializationCode.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/annotation/BeanFactoryAnnotationUtils.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/propertyeditors/CharsetEditor.java
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/opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/ListableBeanFactoryExtensions.kt
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/support/ManagedSet.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/config/ConfigurableListableBeanFactory.java
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* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/xml/NamespaceHandlerSupport.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/parsing/Location.java
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* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/propertyeditors/CharArrayPropertyEditor.java
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* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/propertyeditors/ByteArrayPropertyEditor.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/BeanWrapper.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/config/PropertiesFactoryBean.java
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* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/propertyeditors/ClassEditor.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/FatalBeanException.java
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/**
  * Process the given {@link RegisteredBean} instance ahead-of-time and
  * return a contribution or {@code null}.
  * <p>
  * Processors are free to use any techniques they like to analyze the given
  * instance. Most typically use reflection to find fields or methods to use
  * in the contribution. Contributions
 typically generate source code or
  * resource files that can be used when the AOT optimized application runs.
  * <p>
  * If the given instance isn't relevant to the processor, it should return a
  * {@code null} contribution.
  * @param registeredBean the registered bean to process
  * @return a {@link BeanRegistrationAotContribution} or {@code null}
  */
```

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* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/parsing/BeanEntry.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/support/ScopeNotActiveException.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/parsing/PropertyEntry.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/annotation/Value.java
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* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/serviceloader/ServiceListFactoryBean.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/support/BeanDefinitionReaderUtils.java
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* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/annotation/ParameterResolutionDelegate.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/support/MethodReplacer.java
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jar/org/springframework/beans/factory/ObjectProvider.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/Aware.java
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* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/NoSuchBeanDefinitionException.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/support/AutowireCandidateQualifier.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/DisposableBean.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/support/PagedListHolder.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/BeanInstantiationException.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/config/NamedBeanHolder.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/PropertyMatches.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/InitializingBean.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/BeanDefinitionStoreException.java
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*/
/**
  * Process the given {@link ConfigurableListableBeanFactory} instance
  * ahead-of-time and return a contribution or {@code null}.
  * <p>Processors are free to use any techniques they like to analyze the given
  * bean factory. Most typically use reflection to find fields or methods to
  * use in the
 contribution. Contributions typically generate source code or
  * resource files that can be used when the AOT optimized application runs.
  * <p>If the given bean factory does not contain anything that is relevant to
  * the processor, this method should return a {@code null} contribution.
  * @param beanFactory the bean factory to process
  * @return a {@link BeanFactoryInitializationAotContribution} or {@code null}
  */
```

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* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/config/BeanReference.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/parsing/ComponentDefinition.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/BeanIsNotAFactoryException.java
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* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/BeanCreationNotAllowedException.java
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* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/BeanCurrentlyInCreationException.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/parsing/ProblemReporter.java
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* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/xml/BeanDefinitionDecorator.java
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* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/BeanFactoryAware.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/support/SortDefinition.java
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* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/support/BeanDefinitionValidationException.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/xml/NamespaceHandler.java
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/opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/propertyeditors/InputSourceEditor.java
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* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/annotation/Configurable.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/parsing/NullSourceExtractor.java
* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/parsing/AbstractComponentDefinition.java
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* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/factory/config/BeanFactoryPostProcessor.java
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* /opt/cola/permits/2402377528_1742912527.5339549/0/spring-beans-6-1-18-sources-jar/org/springframework/beans/propertyeditors/URLEditor.java
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1.8351 micrometer-jakarta9 1.13.12

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1.8352 spring-expression 6.1.18

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* /opt/cola/permits/2402377637_1742912459.563012/0/spring-expression-6-1-18-sources-jar/org/springframework/expression/spel/support/ReflectiveConstructorResolver.java
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* /opt/cola/permits/2402377637_1742912459.563012/0/spring-expression-6-1-18-sources-jar/org/springframework/expression/spel/ast/TypeReference.java
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* /opt/cola/permits/2402377637_1742912459.563012/0/spring-expression-6-1-18-sources-jar/org/springframework/expression/MethodResolver.java
* /opt/cola/permits/2402377637_1742912459.563012/0/spring-expression-6-1-18-sources-jar/org/springframework/expression/spel/ast/Selection.java
* /opt/cola/permits/2402377637_1742912459.563012/0/spring-expression-6-1-18-sources-jar/org/springframework/expression/spel/ast/Assign.java
* /opt/cola/permits/2402377637_1742912459.563012/0/spring-expression-6-1-18-sources-jar/org/springframework/expression/spel/SpelParserConfiguration.java
* /opt/cola/permits/2402377637_1742912459.563012/0/spring-expression-6-1-18-sources-jar/org/springframework/expression/common/TemplateAwareExpressionParser.java
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 /opt/cola/permits/2402377637_1742912459.563012/0/spring-expression-6-1-18-sources-jar/org/springframework/expression/spel/ast/CompoundExpression.java
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1.8353 spring-boot 3.3.10

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Found in path(s):
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```
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/util/ErrorHandler.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/support/EnumToStringConverter.java
*
 /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/support/ZonedDateTimeToCalendarConverter.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/support/CharacterToNumberFactory.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/env/ConfigurablePropertyResolver.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/util/backoff/BackOffExecution.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/support/EnumToIntegerConverter.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/converter/ConverterRegistry.java
*
 /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/io/ProtocolResolver.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/support/ZoneIdToTimeZoneConverter.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/support/StringToPropertiesConverter.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/type/filter/AssignableTypeFilter.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/env/CommandLineArgs.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-

jar/org/springframework/objenesis/instantiator/ObjectInstantiator.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-
jar/org/springframework/objenesis/instantiator/basic/AccessibleInstantiator.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-
jar/org/springframework/objenesis/ObjenesisHelper.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-
jar/org/springframework/objenesis/instantiator/basic/NullInstantiator.java
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/opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-
jar/org/springframework/objenesis/instantiator/sun/SunReflectionFactoryHelper.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-
jar/org/springframework/objenesis/instantiator/basic/ProxyingInstantiator.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/objenesis/instantiator/basic/FailingInstantiator.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/objenesis/instantiator/annotations/Typology.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/objenesis/instantiator/basic/ObjectInputStreamInstantiator.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/objenesis/Objenesis.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/objenesis/instantiator/sun/SunReflectionFactoryInstantiator.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/objenesis/instantiator/basic/ObjectStreamClassInstantiator.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/objenesis/instantiator/gcj/GCJInstantiator.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/objenesis/ObjenesisSerializer.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/objenesis/instantiator/gcj/GCJSerializationInstantiator.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/objenesis/ObjenesisException.java
*
/opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/objenesis/instantiator/basic/NewInstanceInstantiator.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/objenesis/strategy/SingleInstantiatorStrategy.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/objenesis/instantiator/perc/PercSerializationInstantiator.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/objenesis/instantiator/util/UnsafeUtils.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/objenesis/instantiator/util/ClassUtils.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/objenesis/instantiator/sun/UnsafeFactoryInstantiator.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/annotation/AnnotationTypeMappings.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/type/classreading/MergedAnnotationReadingVisitor.java
*
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/io/ClassPathResource.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/Property.java
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jar/org/springframework/core/annotation/AnnotationTypeMapping.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/util/TypeUtils.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/io/AbstractResource.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/aot/hint/ReflectionHints.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/type/classreading/SimpleMetadataReader.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/aot/hint/JdkProxyHintExtensions.kt
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/task/support/ExecutorServiceAdapter.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/util/FileCopyUtils.java
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/opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/aot/hint/SimpleTypeReference.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/util/InstanceFilter.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/AttributeAccessorSupport.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/type/classreading/SimpleAnnotationMetadata.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/aot/hint/support/SpringPropertiesRuntimeHints.java
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/opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/support/DefaultConversionService.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/util/ObjectUtils.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/aot/generate/GeneratedClasses.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/aot/hint/ProxyHintsExtensions.kt
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/aot/hint/ResourceHintsExtensions.kt
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/DefaultParameterNameDiscoverer.java

* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/support/CollectionToStringConverter.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/io/support/PropertySourceDescriptor.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/aot/generate/Generated.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/aot/hint/TypeHintExtensions.kt
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/codec/DataBufferDecoder.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/support/StringToCurrencyConverter.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/aot/hint/MemberHint.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/io/DefaultResourceLoader.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/util/concurrent/ListenableFutureTask.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/aot/nativex/feature/ThrowawayClassLoader.java
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/opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/converter/Converter.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/aot/hint/annotation/ReflectiveRuntimeHintsRegistrar.java
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/opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/env/ConfigurableEnvironment.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/NestedExceptionUtils.java
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 /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/Ordered.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/annotation/MissingMergedAnnotation.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/DecoratingProxy.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/metrics/jfr/FlightRecorderApplicationStartup.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/util/concurrent/DelegatingCompletableFuture.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/ExceptionDepthComparator.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/NamedInheritableThreadLocal.java

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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/cglib/proxy/MethodInterceptorGenerator.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/cglib/proxy/FixedValueGenerator.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/cglib/proxy/MethodProxy.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/cglib/reflect/FastMethod.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/cglib/transform/AbstractClassLoader.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/cglib/beans/BeanCopier.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/cglib/proxy/CallbackFilter.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/cglib/core/DefaultNamingPolicy.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/cglib/proxy/LazyLoaderGenerator.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-

jar/org/springframework/cglib/core/AbstractClassGenerator.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/cglib/proxy/MixinEmitter.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/log/LogDelegateFactory.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/cglib/proxy/CallbackHelper.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/cglib/proxy/CallbackInfo.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/cglib/transform/AbstractClassFilterTransformer.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/cglib/transform/impl/AbstractInterceptFieldCallback.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/cglib/core/MethodInfoTransformer.java
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/opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/util/xml/StaxStreamHandler.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/util/ExceptionTypeFilter.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/support/ObjectToCollectionConverter.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/converter/ConditionalConverter.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/support/StringToCollectionConverter.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/support/PropertiesToStringConverter.java
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/opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/cglib/SpringCglibInfo.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/support/ObjectToStringConverter.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/support/ArrayToStringConverter.java
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/opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/asm/ClassReader.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/asm/Symbol.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/asm/SymbolTable.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/asm/MethodVisitor.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/support/StringToUUIDConverter.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/support/StringToEnumConverterFactory.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/metrics/ApplicationStartup.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/support/NumberToNumberConverterFactory.java
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/opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/serializer/Deserializer.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/AliasRegistry.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/metrics/StartupStep.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/support/StringToNumberConverterFactory.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/SortedProperties.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/util/LinkedMultiValueMap.java
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/opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/serializer/Serializer.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/env/EnumerablePropertySource.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/env/PropertyResolver.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/env/AbstractPropertyResolver.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/aot/hint/JdkProxyHint.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/aot/hint/annotation/Reflective.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/util/MimeType.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/type/filter/AbstractTypeHierarchyTraversingFilter.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/aot/hint/annotation/RegisterReflectionForBinding.java
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/opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/annotation/AnnotationsScanner.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/util/MultiValueMapAdapter.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/task/SimpleAsyncTaskExecutor.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/aot/hint/BindingReflectionHintsRegistrar.java
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/opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/ResolvableType.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/aot/hint/ResourceBundleHint.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/io/buffer/DataBufferUtils.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/annotation/MergedAnnotationsCollection.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/converter/ConditionalGenericConverter.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/util/JdkIdGenerator.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/serializer/support/SerializationDelegate.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/io/WritableResource.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/style/ToStringStyler.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/io/support/DefaultPropertySourceFactory.java
* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/converter/GenericConverter.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/codec/CodecException.java
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* /opt/cola/permits/2402377535_1742913216.086234/0/spring-core-6-1-18-sources-jar/org/springframework/core/convert/ConverterNotFoundException.java

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* /opt/cola/permits/2402428088_1742912496.3519123/0/jetty-util-12-0-18-sources-jar/org/eclipse/jetty/util/MultiPartOutputStream.java
* /opt/cola/permits/2402428088_1742912496.3519123/0/jetty-util-12-0-18-sources-

jar/org/eclipse/jetty/util/IncludeExclude.java
* /opt/cola/permits/2402428088_1742912496.3519123/0/jetty-util-12-0-18-sources-jar/org/eclipse/jetty/util/CompletableTask.java
* /opt/cola/permits/2402428088_1742912496.3519123/0/jetty-util-12-0-18-sources-jar/org/eclipse/jetty/util/thread/MonitoredQueuedThreadPool.java
* /opt/cola/permits/2402428088_1742912496.3519123/0/jetty-util-12-0-18-sources-jar/org/eclipse/jetty/util/ClassMatcher.java
* /opt/cola/permits/2402428088_1742912496.3519123/0/jetty-util-12-0-18-sources-jar/org/eclipse/jetty/util/preventers/AWTLeakPreventer.java
* /opt/cola/permits/2402428088_1742912496.3519123/0/jetty-util-12-0-18-sources-jar/org/eclipse/jetty/util/thread/Sweeper.java
* /opt/cola/permits/2402428088_1742912496.3519123/0/jetty-util-12-0-18-sources-jar/org/eclipse/jetty/util/TreeTrie.java
* /opt/cola/permits/2402428088_1742912496.3519123/0/jetty-util-12-0-18-sources-jar/org/eclipse/jetty/util/resource/Resources.java
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/**
* Ensures serial invocation of submitted tasks.
*
* The {@link InvocationType} of the {@link Runnable} returned from this class is
* always {@link InvocationType#BLOCKING} since a blocking task may be added to the queue
* at any time.
*
* This class was inspired by the public domain class
* NonBlockingMutexExecutor
*
*/

Found in path(s):
* /opt/cola/permits/2402428088_1742912496.3519123/0/jetty-util-12-0-18-sources-jar/org/eclipse/jetty/util/thread/SerializedInvoker.java

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* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/pathmap/UriTemplatePathSpec.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/CookieParser.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/MutableHttpFields.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/HttpURI.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/content/CachingHttpContentFactory.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/HttpStatus.java
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 /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/PreEncodedHttpField.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/HttpCompliance.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/Http10FieldPreEncoder.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/EtagUtils.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/CompressedContentFormat.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/content/ResourceHttpContent.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/HttpFields.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/package-info.java
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 /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/GZIPContentDecoder.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/HttpVersion.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/ImmutableHttpFields.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/RFC6265SetCookieParser.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/content/PreCompressedHttpContent.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/pathmap/PathMappings.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/content/VirtualHttpContentFactory.java
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* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/HttpMethod.java
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* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/compression/Huffman.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/pathmap/MappedResource.java
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* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/HttpGenerator.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/MultiPartCompliance.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/HttpFieldPreEncoder.java
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* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/compression/NBitStringDecoder.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/MultiPartConfig.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/QuotedQualityCSV.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/compression/HuffmanDecoder.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/Http1FieldPreEncoder.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/content/ResourceHttpContentFactory.java

* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/content/ValidatingCachingHttpContentFactory.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/compression/HuffmanEncoder.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/MultiPart.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/CookieCutter.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/HttpTester.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/content/PreCompressedHttpContentFactory.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/pathmap/PathSpecGroup.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/pathmap/MatchedResource.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/MimeTypes.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/compression/NBitStringEncoder.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/pathmap/ServletPathSpec.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/MultiPartByteRanges.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/pathmap/AbstractPathSpec.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/UriCompliance.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/HttpDateTime.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/compression/NBitIntegerEncoder.java
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* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/HttpTokens.java
* /opt/cola/permits/2402428072_1742912459.6477878/0/jetty-http-12-0-18-sources-jar/org/eclipse/jetty/http/CookieCompliance.java
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* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/jaas/JAASUserPrincipal.java
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* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/UserStore.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/jaas/JAASRole.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/jaas/spi/package-info.java
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* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/internal/DefaultUserIdentity.java
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* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/AuthenticationState.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/ServerAuthException.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/internal/RoleRunAsToken.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/RolePrincipal.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/jaas/JAASLoginService.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/jaas/spi/JDBCLoginModule.java
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* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/LoginService.java
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* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/EmptyLoginService.java
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* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/IdentityService.java
*
 /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/authentication/LoginAuthenticator.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/HashLoginService.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/jaas/PropertyUserStoreManager.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/jaas/spi/AbstractDatabaseLoginModule.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/RoleDelegateUserIdentity.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/jaas/callback/ObjectCallback.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/jaas/callback/RequestCallback.java
*
 /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/Authenticator.java

* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/authentication/DigestAuthenticator.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/PropertyUserStore.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/module-info.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/UserPrincipal.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/jaas/callback/package-info.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/jaas/package-info.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/authentication/FormAuthenticator.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/UserIdentity.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/jaas/spi/AbstractLoginModule.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/authentication/package-info.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/jaas/spi/LdapLoginModule.java
* /opt/cola/permits/2402428073_1742912444.7318106/0/jetty-security-12-0-18-sources-jar/org/eclipse/jetty/security/internal/DeferredAuthenticationState.java

1.8358 jetty-session 12.0.18

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* /opt/cola/permits/2402428081_1742912444.7022219/0/jetty-session-12-0-18-sources-jar/org/eclipse/jetty/session/SessionConfig.java
* /opt/cola/permits/2402428081_1742912444.7022219/0/jetty-session-12-0-18-sources-jar/org/eclipse/jetty/session/FileSessionDataStoreFactory.java
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* /opt/cola/permits/2402428081_1742912444.7022219/0/jetty-session-12-0-18-sources-jar/org/eclipse/jetty/session/SessionContext.java
* /opt/cola/permits/2402428081_1742912444.7022219/0/jetty-session-12-0-18-sources-jar/org/eclipse/jetty/session/SessionDataStoreFactory.java

*
/opt/cola/permits/2402428081_1742912444.7022219/0/jetty-session-12-0-18-sources-jar/org/eclipse/jetty/session/SessionIdManager.java
* /opt/cola/permits/2402428081_1742912444.7022219/0/jetty-session-12-0-18-sources-jar/org/eclipse/jetty/session/AbstractSessionManager.java
* /opt/cola/permits/2402428081_1742912444.7022219/0/jetty-session-12-0-18-sources-jar/org/eclipse/jetty/session/NullSessionDataStore.java
* /opt/cola/permits/2402428081_1742912444.7022219/0/jetty-session-12-0-18-sources-jar/org/eclipse/jetty/session/package-info.java
* /opt/cola/permits/2402428081_1742912444.7022219/0/jetty-session-12-0-18-sources-jar/org/eclipse/jetty/session/SessionCache.java
* /opt/cola/permits/2402428081_1742912444.7022219/0/jetty-session-12-0-18-sources-jar/org/eclipse/jetty/session/SessionDataMapFactory.java
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* /opt/cola/permits/2402428081_1742912444.7022219/0/jetty-session-12-0-18-sources-jar/org/eclipse/jetty/session/UnwriteableSessionDataException.java
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* /opt/cola/permits/2402428081_1742912444.7022219/0/jetty-session-12-0-18-sources-jar/org/eclipse/jetty/session/SessionDataMap.java
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/opt/cola/permits/2402428081_1742912444.7022219/0/jetty-session-12-0-18-sources-jar/org/eclipse/jetty/session/JDBCSessionDataStoreFactory.java
* /opt/cola/permits/2402428081_1742912444.7022219/0/jetty-session-12-0-18-sources-

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* /opt/cola/permits/2402428081_1742912444.7022219/0/jetty-session-12-0-18-sources-jar/org/eclipse/jetty/session/NullSessionCacheFactory.java
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* /opt/cola/permits/2402428081_1742912444.7022219/0/jetty-session-12-0-18-sources-jar/org/eclipse/jetty/session/FileSessionDataStore.java
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* /opt/cola/permits/2402428081_1742912444.7022219/0/jetty-session-12-0-18-sources-jar/org/eclipse/jetty/session/SessionDataStore.java
* /opt/cola/permits/2402428081_1742912444.7022219/0/jetty-session-12-0-18-sources-jar/org/eclipse/jetty/session/AbstractSessionCacheFactory.java

1.8359 tzdata 2025b-r0

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1.8360 linux-libc-dev 6.8.0-55.57

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*

```
*   Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather
 lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
*   IDT always receives data into a small buffer, then large buffers
*     as needed. This means that data must always be copied to create
*     the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
*     Fix is simple: make large buffers large enough to hold entire
*     SDU, and leave <small_buffer_data> bytes empty at the start. Then
*     copy small buffer contents to head of large buffer.
*   Trick is to avoid fragmenting Linux, due to need for a lot of large
*     buffers. This is done by 2 things:
*       1) skb->destructor / skb->atm.recycle_buffer
*            combined, allow nicstar_free_rx_skb to be called to
*            recycle large data buffers
*       2) skb_clone of received buffers
*   See nicstar_free_rx_skb and linearize_buffer for implementation
*     details.
*
*
*
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*
* M. Welsh, 6 July 1996
*
```

*
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1.8363 logback-core 1.5.18

1.8363.1 Available under license :

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Found in path(s):
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/rolling/RollingFileAppender.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/GenericXMLConfigurator.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/rolling/helper/TimeBasedArchiveRemover.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/util/ExecutorServiceUtil.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/action/ImplicitModelDataForComplexProperty.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/rolling/SizeAndTimeBasedFileNamingAndTriggeringPolicy.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/rolling/DefaultTimeBasedFileNamingAndTriggeringPolicy.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/rolling/SizeAndTimeBasedFNATP.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/util/MD5Util.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/rolling/LengthCounterBase.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/processor/ConversionRuleModelHandler.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/testUtil/RunnableWithCounterAndDone.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/util/PropertyModelHandlerHelper.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/action/ResourceAction.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/ConversionRuleModel.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/ModelUtil.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/spi/ContextAwarePropertyContainer.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/pattern/color/ConverterSupplierByClassName.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/processor/ResourceHandlerBase.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/rolling/LengthCounter.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/util/StatusPrinter2.java

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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/util/EnvUtil.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/status/StatusUtil.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/helpers/CyclicBuffer.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/util/PropertySetterException.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/pattern/color/BoldWhiteCompositeConverter.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/spi/AbstractComponentTracker.java
*

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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/pattern/parser/TokenStream.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/net/ssl/SSLNestedComponentRegistryRules.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/util/SystemInfo.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/spi/HostClassAndPropertyDouble.java
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/opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/spi/JoranException.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/pattern/color/BoldBlueCompositeConverter.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/net/ssl/KeyStoreFactoryBean.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/action/SiftAction.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/net/server/RemoteReceiverClient.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/net/QueueFactory.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/spi/PropertyContainer.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/pattern/Converter.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/util/JNDIUtil.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/status/StatusListenerAsList.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/spi/RuleStore.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/boolex/EventEvaluatorBase.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/util/Loader.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/action/Action.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-

jar/ch/qos/logback/core/rolling/helper/IntegerTokenConverter.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/pattern/color/WhiteCompositeConverter.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/pattern/IdentityCompositeConverter.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/net/server/ServerRunner.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/subst/Tokenizer.java
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/opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/pattern/color/BlackCompositeConverter.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/action/ConversionRuleAction.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/util/FileUtil.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/util/DefaultInvocationGate.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/html/IThrowableRenderer.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/spi/DefaultNestedComponentRegistry.java
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/opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/encoder/Encoder.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/net/server/ConcurrentServerRunner.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/action/EventEvaluatorAction.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/util/DelayStrategy.java
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*
/opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/spi/FilterAttachable.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/status/OnConsoleStatusListener.java

* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/conditional/Condition.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/action/PreconditionValidator.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/rolling/helper/DateTokenConverter.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/net/server/ServerListener.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/rolling/SizeBasedTriggeringPolicy.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/rolling/TimeBasedFileNamingAndTriggeringPolicyBase.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/encoder/LayoutWrappingEncoder.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/pattern/color/BoldRedCompositeConverter.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/util/ConfigurationWatchListUtil.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/rolling/helper/FileNamePattern.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/recovery/ResilientFileOutputStream.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/sift/Discriminator.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/encoder/ByteArrayUtil.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/pattern/ConverterUtil.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/action/ParamAction.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/net/ssl/SSLConfiguration.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/util/CloseUtil.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/conditional/PropertyWrapperForScripts.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/status/NopStatusListener.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/sift/AbstractDiscriminator.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-

jar/ch/qos/logback/core/util/TimeUtil.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/action/ContextPropertyAction.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/conditional/PropertyEvalScriptBuilder.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/AppenderRefModel.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/processor/AppenderModelHandler.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-

jar/ch/qos/logback/core/joran/util/ParentTag_Tag_Class_Tuple.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/ComponentModel.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/processor/conditional/ThenModelHandler.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/ImportModel.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/processor/DefineModelHandler.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/processor/NOPModelHandler.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/processor/SequenceNumberGeneratorModelHandler.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/ShutdownHookModel.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/conditional/ThenAction.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/processor/AppenderRefDependencyAnalyser.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/recovery/RecoveryListener.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/net/HardenedObjectInputStream.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/conditional/IfAction.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/JoranConfiguratorBase.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/conditional/ElseAction.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/rolling/TimeBasedFileNamingAndTriggeringPolicy.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/EventEvaluatorModel.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/sanity/SanityChecker.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/DefineModel.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/SequenceNumberGeneratorModel.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/processor/ShutdownHookModelHandler.java

* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/conditional/IfModel.java
*
 /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/SiftModel.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/ModelConstants.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/InsertFromJNDIModel.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/processor/conditional/IfModelHandler.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/conditional/ElseModel.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/Model.java
*
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/ModelHandlerFactoryMethod.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/spi/ErrorCodes.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/processor/PhaseIndicator.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/processor/conditional/ElseModelHandler.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/processor/RefContainerDependencyAnalyser.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/NamedModel.java
*
 /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/rolling/TimeBasedRollingPolicy.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/processor/ModelInterpretationContext.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/AppenderModel.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/processor/DependencyDefinition.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/util/TagUtil.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/processor/TimestampModelHandler.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/TimestampModel.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-

jar/ch/qos/logback/core/model/ImplicitModel.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/testUtil/MockInitialContextFactory.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/testUtil/RandomUtil.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/testUtil/FileTestUtil.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/spi/ConfigurationEventListener.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/testUtil/StringListAppender.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/util/SimpleInvocationGate.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/testUtil/DelayingListAppender.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/testUtil/MockInitialContext.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/testUtil/CoreTestConstants.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/testUtil/EnvUtilForTests.java

* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/testUtil/TrivialStatusListener.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/testUtil/XTeeOutputStream.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/testUtil/DummyEncoder.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/SerializeModelModel.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/ModelClassToModelHandlerLinkerBase.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/joran/action/SerializeModelAction.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/encoder/JsonEscapeUtil.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/processor/SerializeModelModelHandler.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/rolling/helper/GZCompressionStrategy.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/rolling/helper/CompressionStrategy.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/rolling/helper/CompressionStrategyBase.java
*
 /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/rolling/helper/ZipCompressionStrategy.java
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* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/sift/SiftModelHandler.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/sift/SiftingAppenderBase.java
* /opt/cola/permits/2403382225_1742962164.8438928/0/logback-core-1-5-18-sources-jar/ch/qos/logback/core/model/processor/ImplicitModelHandler.java

1.8364 typing-extensions 4.13.0

1.8364.1 Available under license :

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A. HISTORY OF THE SOFTWARE
==========

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for

National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see https://opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's

direction to make these releases possible.

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1.8365 prettytable 3.16.0

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ASN.1 library for Python

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This is a free and open source implementation of ASN.1 types and codecs
as a Python package. It has been first written to support particular
protocol (SNMP) but then generalized to be suitable for a wide range
of protocols based on
[ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-
E&type=items).

Features
----

*
 Generic implementation of ASN.1 types (X.208)
* Standards compliant BER/CER/DER codecs
* Dumps/loads ASN.1 structures from Python types
* 100% Python, works with Python 2.4 up to Python 3.6
* MT-safe
* Contributed ASN.1 compiler [Asn1ate](https://github.com/kimgr/asn1ate)

Why using pyasn1

ASN.1 solves the data serialisation problem. This solution was
designed long ago by the wise Ancients. Back then, they did not
have the luxury of wasting bits. That is why ASN.1 is designed
to serialise data structures of unbounded complexity into
something compact and efficient when it comes to processing
the data.

That probably explains why many network protocols and file formats
still rely on the 30+ years old technology. Including a number of
high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1.
[Communication between heterogeneous systems](http://www.oss.com/asn1/dubuisson.html)
by
 Olivier Dubuisson is one of those high quality books freely
available on the Internet.

The pyasn1 package is designed to help Python programmers tackling
network protocols and file formats at the comfort of their Python
prompt. The tool struggles to capture all aspects of a rather
complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1

With pyasn1 you can build Python objects from ASN.1 data structures.
For example, the following ASN.1 data structure:

```bash
Record ::= SEQUENCE {
 id       INTEGER,
 room  [0] INTEGER OPTIONAL,
 house [1] INTEGER DEFAULT 0
```

}
```

Could be expressed in pyasn1 like this:

```python
class Record(Sequence):
  componentType = NamedTypes(
     NamedType('id', Integer()),
     OptionalNamedType(
        'room', Integer().subtype(
           implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
        )
     ),
     DefaultedNamedType(

    'house', Integer(0).subtype(
           implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
        )
     )
  )
```

It is in the spirit of ASN.1 to take abstract data description
and turn it into a programming language specific form.
Once you have your ASN.1 data structure expressed in Python, you
can use it along the lines of similar Python type (e.g. ASN.1
`SET` is similar to Python `dict`, `SET OF` to `list`):

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
>>>
```

Part of the power of ASN.1 comes from its serialisation features. You
can serialise your data structure and send it over the network.

```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000: 30 07 02 01 7B 80 02 01 41
```
```

```

Conversely, you can turn serialised ASN.1 content, as received from
network or read from a file, into a Python object which you can
introspect,
 modify, encode and send back.

```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>
>>> for field in received_record:
>>>    print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0
>>>
>>> record == received_record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int,
list, dict etc.). But ASN.1 types exhibit more complicated behaviour.
To make life easier for a Pythonista, they can turn their pyasn1
classes into Python built-ins:

```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of
Python objects:

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record =
 decode({'id': 123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
>>>
```
```

```

With ASN.1 design, serialisation codecs are decoupled from data objects,
so you could turn every single ASN.1 object into many different
serialised forms. As of this moment, pyasn1 supports BER, DER, CER and
Python built-ins codecs. The extremely compact PER encoding is expected
to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the
[documentation](http://snmplabs.com/pyasn1/),
compiled ASN.1 modules for different protocols and file formats
could be found in the pyasn1-modules
[repo](https://github.com/etingof/pyasn1-modules).

How to get pyasn1
-----------------

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available as a GitHub [repo](https://github.com/etingof/pyasn1).

You could `pip install pyasn1` or download it from
 [PyPI](https://pypi.python.org/pypi/pyasn1).

If something does not work as expected,
[open an issue](https://github.com/etingof/pyasn1/issues) at GitHub or
post your question [on Stack Overflow](http://stackoverflow.com/questions/ask)
or try browsing pyasn1
[mailing list archives](https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/).

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Found in path(s):
* /opt/cola/permits/2406135592_1743776013.5783212/0/pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/README.md
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ASN.1 library for Python
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Abstract Syntax Notation One (`ASN.1 <http://en.wikipedia.org/wiki/Abstract_Syntax_Notation_1x>`_) is a technology for exchanging structured data in a universally understood, hardware agnostic way. Many industrial, security and telephony applications heavily rely on ASN.1.

The `pyasn1 <https://pypi.python.org/pypi/pyasn1/>`_ library implements ASN.1 support in pure-Python.

What is ASN.1

ASN.1 is a large, arguably over-engineered and extremely old data modelling and serialisation tool. It is probably among the first serialisation protocols in the history of computer science and technology.

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first electronic mail (known as X.400). Later on if was split off the e-mail application and become a stand-alone tech still being actively supported by its designers and widely used in industry and technology.

Since then ASN.1 is sort of haunted by its relations with the OSI model -- the first, unsuccessful, version of the Internet. You can read many interesting `discussions <https://news.ycombinator.com/item?id=8871453>`_ on that topic.

In the following years, generations of software engineers tackled the serialisation problem many times. We can see that in Google's `ProtoBuffers <https://developers.google.com/protocol-buffers/>`_ or `FlatBuffers <https://google.github.io/flatbuffers/>`_, for example. Interestingly, many new takes on binary protocol design do not depart far from ASN.1 from technical perspective. It's more of a matter of striking a balance between processing overhead, wire format overhead and human readability.

Looking at what ASN.1 has to offer, it has three loosely coupled parts:

* Data types: the standard introduces a collection of basic data types
 (integers, bits, strings, arrays and records) that can be used for
 describing
 arbitrarily complex, nested data structures.

* Serialisation protocols: the above data structures could be converted into a
 series of octets for storage or transmission over the wire as well as
 recovered back into their structured form. The system is fully agnostic
 to hardware architectures differences.

* Schema language: ASN.1 data structures could be described in terms
 of a schema language for ASN.1 compiler to turn it into platform-specific
 implementation.

ASN.1 applications

Being an old and generally successful standard, ASN.1 is widely
adopted for many uses. To give you an example, these technologies
use ASN.1 for their data exchange needs:

* Signaling standards for the public switched telephone network (SS7 family)
* Network management standards (SNMP, CMIP)
* Directory standards (X.500 family, LDAP)
* Public Key Infrastructure standards (X.509, etc.)
* PBX control (CSTA)
* IP-based Videoconferencing (H.323 family)
* Biometrics (BIP,
 CBEFF, ACBio)
* Intelligent transportation (SAE J2735)
* Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)

ASN.1 gotchas

Apparently, ASN.1 is hard to implement properly. Quality open-source
ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the
`statistics <http://cve.mitre.org/cgi-bin/cvekey.cgi?keyword=ASN.1>`_ on discovered
security vulnerabilities, many people have implemented ASN.1 parsers
and oftentimes fell victim to its edge cases.

On the bright side, ASN.1 has been around for a long time, it is well understood
and security reviewed.

Documentation

.. toctree::

:maxdepth: 2

/pyasn1/contents

Use case

.. toctree::
:maxdepth: 2

/example-use-case

Download & Install

.. toctree::
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/download

Changes

All changes and release history is maintained in changelog. There you could also download the latest unreleased pyasn1 tarball containing the latest fixes and
improvements.

.. toctree::
:maxdepth: 1

/changelog

License

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.. toctree::
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/license

Getting help

Please, file your `issues <https://github.com/etingof/pyasn1/issues>`_ and `PRs <https://github.com/etingof/pyasn1/pulls>`_ at GitHub.

Alternatively, you could ask for help at
`Stack Overflow <http://stackoverflow.com/questions/tagged/pyasn1>`_
or search
`pyasn1-users <https://lists.sourceforge.net/lists/listinfo/pyasn1-users>`_
mailing list archive.

Books on ASN.1

The pyasn1 implementation is largely based on reading up the following awesome
books:

* `ASN.1 - Communication between heterogeneous systems <http://www.oss.com/asn1/dubuisson.html>`_ by Olivier Dubuisson
* `ASN.1 Complete <http://www.oss.com/asn1/resources/books-whitepapers-pubs/larmouth-asn1-book.pdf>`_ by Prof John Larmouth

Here you can get the official standards which is hard to read:

* `ITU
 standards <http://www.itu.int/ITU-T/studygroups/com17/languages/X.680-X.693-0207w.zip>`_

On the other end of the readability spectrum, here is a quick and sweet write up:

* `A Layman's Guide to a Subset of ASN.1, BER, and DER <ftp://ftp.rsasecurity.com/pub/pkcs/ascii/layman.asc>`_ by Burton S. Kaliski

If you are working with ASN.1, we'd highly recommend reading a proper
book on the subject.

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* /opt/cola/permits/2406135592_1743776013.5783212/0/pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/docs/source/contents.rst

1.8367 rpds-py 0.24.0

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1.8368 jaxb-api 2.3.1

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1.8371 wrappy 1.0.2

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1.8374 object-keys 1.1.1

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1.8377 vim-runtime 9.1.0016-1ubuntu7.7

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uganda.txt For Vim version 9.1. Last change: 2022 Mar 02

VIM REFERENCE MANUAL by Bram Moolenaar

uganda *Uganda* *copying* *copyright* *license*
SUMMARY
iccf *ICCF*
Vim is Charityware. You can use and copy it as much as you like, but you are
encouraged to make a donation for needy children in Uganda. Please see |kcc|
below or visit the ICCF web site, available at these URLs:

https://iccf-holland.org/
https://www.vim.org/iccf/
https://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for
features. See |sponsor|. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see
|manual-copyright|.

=== begin of license ===

VIM LICENSE

I) There are no restrictions on distributing unmodified copies of Vim except

that they must include this license text. You can also distribute
unmodified parts of Vim, likewise unrestricted except that they must
include this license text.
You are also allowed to include executables
that you made from the unmodified Vim sources, plus your own usage
examples and Vim scripts.

II) It is allowed to distribute a modified (or extended) version of Vim,
including executables and/or source code, when the following four
conditions are met:
1) This license text must be included unmodified.
2) The modified Vim must be distributed in one of the following five ways:
a) If you make changes to Vim yourself, you must clearly describe in
the distribution how to contact you. When the maintainer asks you
(in any way) for a copy of the modified Vim you distributed, you
must make your changes, including source code, available to the
maintainer without fee. The maintainer reserves the right to
include your changes in the official version of Vim. What the
maintainer will do with your changes and under what license they
will be distributed is negotiable. If there has been no negotiation

then this license, or a later version, also applies to your changes.
The current maintainers are listed here: https://github.com/orgs/vim/people.
If this changes it will be announced in appropriate places (most likely
vim.sf.net, www.vim.org and/or comp.editors). When it is completely
impossible to contact the maintainer, the obligation to send him
your changes ceases. Once the maintainer has confirmed that he has
received your changes they will not have to be sent again.
b) If you have received a modified Vim that was distributed as
mentioned under a) you are allowed to further distribute it
unmodified, as mentioned at I). If you make additional changes the
text under a) applies to those changes.
c) Provide all the changes, including source code, with every copy of
the modified Vim you distribute. This may be done in the form of a
context diff. You can choose what license to use for new code you
add. The changes and their license
must not restrict others from
making their own changes to the official version of Vim.
d) When you have a modified Vim which includes changes as mentioned
under c), you can distribute it without the source code for the
changes if the following three conditions are met:
- The license that applies to the changes permits you to distribute
the changes to the Vim maintainer without fee or restriction, and
permits the Vim maintainer to include the changes in the official
version of Vim without fee or restriction.
- You keep the changes for at least three years after last
distributing the corresponding modified Vim. When the maintainer
or someone who you distributed the modified Vim to asks you (in

any way) for the changes within this period, you must make them available to him.

- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.

e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or any later version.

3) A message must be added, at least in the output of the ":version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned under 2)e) adding the message is only required for as far as this does not conflict with the license used for the changes.

4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

III) If you distribute a modified version of Vim, you are encouraged to use the Vim license for your changes and make them available to the maintainer, including the source code. The preferred way to do this is by e-mail or by uploading the files to a server and e-mailing the URL. If the number of changes is small (e.g., a modified Makefile) e-mailing a context diff will do. The e-mail address to be used is <maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this license for previous Vim releases instead of the license that they came with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a |sponsor|. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU

GPL, this limits
further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

==========

Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there usually is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that in the past 10 to 30% of the Ugandans
are infected with HIV. Because
parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. Although AIDS is now mostly under control, the problems are still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them
how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production
site for cement slabs. These are used to build a good latrine.
They are sold below cost price.

There is a clinic at the project, which provides children and their family medical help. Since 2020 a maternity ward was added and 24/7 service is available. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

donate

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on
the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre

p.o. box 1658
Masaka, Uganda, East Africa

Sending money: *iccf-donations*

Check the ICCF web site for the latest information! See |iccf| for the URL.

USA: The methods mentioned below can be used.
If you must send a check send it to our Canadian partner:
https://www.kuwasha.net/

Canada: Contact Kuwasha in Surrey, Canada. They take care of the
Canadian sponsors for the children in Kibaale. Kuwasha
forwards 100% of the money to the project in Uganda. You can
send them a one time donation directly.
Please send me a note so that I know what has been donated
because of Vim. Look on their site for information about
sponsorship: https://www.kuwasha.net/
If you make a donation to Kuwasha you will receive a tax
receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting
ICCF Holland" in
Amersfoort. This will allow for tax deduction if you live in
Holland. ING bank, IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.
Check the ICCF web site for the latest information:
https://iccf-holland.org/germany.html

Europe: Use a bank transfer if possible. See "Others" below for the
swift code and IBAN number.
Any other method should work. Ask for information about
sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is
the most widely used Internet based payment system. It's
really simple to use. Use this link to find more info:
https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q
The e-mail address for sending the money to is:
Bram@iccf-holland.org

Others: Transfer to this account if possible:
ING bank: IBAN: NL95 INGB 0004 5487 74
Swift code: INGBNL2A
under the name "stichting ICCF Holland", Amersfoort
Checks are

not accepted.

vim:tw=78:ts=8:noet:ft=help:norl:

1.8378 xxd 9.1.0016-1ubuntu7.7

1.8378.1 Available under license :

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without
limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's

complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based

on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or

linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables
containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable

source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user
installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the
major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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You can also sponsor the development of Vim. Vim sponsors can vote for
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Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a |sponsor|. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

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==========

Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there usually is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that in the past 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. Although AIDS is now mostly under control, the problems are still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a clinic at the project, which provides children and their family

medical help. Since 2020 a maternity ward was added and 24/7 service is available. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

donate

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money: *iccf-donations*

Check the ICCF web site for the latest information! See |iccf| for the URL.

USA: The methods mentioned below can be used.
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https://www.kuwasha.net/

Canada: Contact Kuwasha in Surrey, Canada. They take care of the
Canadian sponsors for the children in Kibaale. Kuwasha
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Please send me a note so that I know what has been donated
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If you make a donation to Kuwasha you will receive a tax
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Swift code: INGBNL2A
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Checks are
not accepted.

vim:tw=78:ts=8:noet:ft=help:norl:

1.8379 linux-libc-dev 6.8.0-57.59

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uganda.txt   For Vim version 9.1. Last change: 2022 Mar 02

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SUMMARY
       iccf *ICCF*
Vim is Charityware. You can use and copy it as much as you like, but you are
encouraged to make a donation for needy children in Uganda. Please see |kcc|
below or visit the ICCF web site, available at these URLs:

 https://iccf-holland.org/
 https://www.vim.org/iccf/
 https://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for
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The Open Publication License applies to the Vim documentation, see
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=== begin of license ===

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The current maintainers are listed here: https://github.com/orgs/vim/people.
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as possible.

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=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a |sponsor|. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU
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further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

==========

Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there usually is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that in the past 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. Although AIDS is now mostly under control, the problems are still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given.

Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a clinic at the project, which provides children and their family medical help. Since 2020 a maternity ward was added and 24/7 service is available. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

donate

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money: *iccf-donations*

Check the ICCF web site for the latest information! See |iccf| for the URL.

USA: The methods mentioned below can be used.
If you must send a check send it to our Canadian partner:
https://www.kuwasha.net/

Canada: Contact Kuwasha in Surrey, Canada. They take care of the
Canadian sponsors for the children in Kibaale. Kuwasha
forwards 100% of the money to the project in Uganda. You can
send them a one time donation directly.
Please send me a note so that I know what has been donated
because of Vim. Look on their site for information about
sponsorship: https://www.kuwasha.net/
If you make a donation to Kuwasha you will receive a tax
receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting
ICCF Holland" in
Amersfoort. This will allow for tax deduction if you live in
Holland. ING bank, IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.
Check the ICCF web site for the latest information:
https://iccf-holland.org/germany.html

Europe: Use a bank transfer if possible. See "Others" below for the
swift code and IBAN number.
Any other method should work. Ask for information about
sponsorship.

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really simple to use. Use this link to find more info:
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The e-mail address for sending the money to is:
Bram@iccf-holland.org

Others: Transfer to this account if possible:
ING bank: IBAN: NL95 INGB 0004 5487 74
Swift code: INGBNL2A
under the name "stichting ICCF Holland", Amersfoort
Checks are
not accepted.

vim:tw=78:ts=8:noet:ft=help:norl:

1.8381 vim 9.1.0016-1ubuntu7.7

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Version 2.1, February 1999

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vi: set ft=:

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uganda.txt For Vim version 9.1. Last change: 2022 Mar 02

VIM REFERENCE MANUAL by Bram Moolenaar

uganda *Uganda* *copying* *copyright* *license*
SUMMARY

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Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a |sponsor|. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

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- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

==========
Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there usually is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that in the past 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. Although AIDS is now mostly under control, the problems are still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the

future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a clinic at the project, which provides children and their family medical help. Since 2020 a maternity ward was added and 24/7 service is available. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

donate

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on
the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

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vim:tw=78:ts=8:noet:ft=help:norl:

1.8382 golang 1.24.2

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package copyright

import (
 "bytes"
 "internal/testenv"
 "io"
 "io/fs"
 "os"
 "path/filepath"
 "testing"
```

```
)

var copyright = []byte("Copyright")

var permitted = [][]byte{
 []byte("// Code generated by "),
 []byte("// Code generated from "),
 []byte("// Created by cgo -cdefs"),
 []byte("// DO NOT EDIT\n// generated by:"),
 []byte("// Empty assembly file"),
 []byte("// Generated using cgo"),
 []byte("// Original source:\n//\thttp://www.zorinaq.com/papers/md5-amd64.html"), // public domain crypto/md5
 []byte("// created by cgo -cdefs"),
 []byte("// go run mkasm.go"),
 []byte("// mkerrors"),
 []byte("// mksys"),
 []byte("// run\n// Code generated by"), // cmd/compile/internal/test/constFold_test.go
}

func TestCopyright(t *testing.T) {
 buf := make([]byte, 2048)
 filepath.WalkDir(filepath.Join(testenv.GOROOT(t), "src"), func(path string,
 d fs.DirEntry, err error) error {
  if d.IsDir() && (d.Name() == "testdata" || d.Name() == "vendor") {
   return filepath.SkipDir
  }
  switch filepath.Ext(d.Name()) {
  default:
   return nil
  case ".s", ".go":
   // check
  }

  f, err := os.Open(path)
  if err != nil {
   t.Error(err)
   return nil
  }
  defer f.Close()
  n, err := f.Read(buf)
  if err != nil && err != io.EOF {
   t.Error(err)
   return nil
  }
  b := buf[:n]
  if bytes.Contains(b, copyright) {
   return nil
  }
```

```
  for _, ok := range permitted {
   if bytes.HasPrefix(b, ok) {
    return nil
   }
  }
  t.Errorf("%s: missing copyright notice", path)
  return nil
 })
}
```

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1.8390 golang 1.23.8

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package copyright

import (
 "bytes"
 "internal/testenv"
 "io"
 "io/fs"
 "os"
 "path/filepath"
 "testing"
)

var copyright = []byte("Copyright")

var permitted = [][]byte{
 []byte("// Code generated by "),
 []byte("// Code generated from "),
 []byte("// Created by cgo -cdefs"),
 []byte("// DO NOT EDIT\n// generated by:"),
 []byte("// Empty assembly file"),
 []byte("// Generated using cgo"),
 []byte("// Original source:\n//\thttp://www.zorinaq.com/papers/md5-amd64.html"), // public domain crypto/md5
 []byte("// created by cgo -cdefs"),
 []byte("// go run mkasm.go"),
 []byte("// mkerrors"),
 []byte("// mksys"),
 []byte("// run\n// Code generated by"), // cmd/compile/internal/test/constFold_test.go
}
```

```
func TestCopyright(t *testing.T) {
 buf := make([]byte, 2048)
 filepath.WalkDir(filepath.Join(testenv.GOROOT(t), "src"), func(path string,
 d fs.DirEntry, err error) error {
  if d.IsDir() && (d.Name() == "testdata" || d.Name() == "vendor") {
   return filepath.SkipDir
  }
  switch filepath.Ext(d.Name()) {
  default:
   return nil
  case ".s", ".go":
   // check
  }

  f, err := os.Open(path)
  if err != nil {
   t.Error(err)
   return nil
  }
  defer f.Close()
  n, err := f.Read(buf)
  if err != nil && err != io.EOF {
   t.Error(err)
   return nil
  }
  b := buf[:n]
  if bytes.Contains(b, copyright) {
   return nil
  }
  for _, ok := range permitted {
   if bytes.HasPrefix(b, ok) {
    return nil
   }
  }
  t.Errorf("%s: missing copyright notice", path)
  return nil
 })
}
```

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1.8397 big.js 5.2.2

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1.8399 go-runewidth 0.0.2

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1.8400 brace-expansion 1.1.11

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1.8401 once 1.4.0

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1.8402 source-list-map 2.0.1

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1.8403 source-map-support/node_modules/source-map 0.6.1

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1.8405 libdouble-conversion 3.3.0-1build1

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1.8406 tomcat 10.1.36

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- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
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- web-common_3_1.xsd
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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd

- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
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org.apache.tomcat.util.json.JSONParser.jj is
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- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
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- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
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- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
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- web-app_3_1.xsd
- web-common_3_1.xsd
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- web-app_5_0.xsd
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- web-commonn_5_0.xsd
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1.8410 x-net 0.38.0

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
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2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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2.2 and above	2.1.1	2001-now	PSF	yes

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1.8412 spring-jms 6.1.18

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* DNS resolver (dirmngr/dns.c)

 dns.c - Recursive, Reentrant DNS Resolver.

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1993 Christopher Seiwald seiwald@vix.com
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1.8424 gorilla/css 1.0.0

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* /opt/cola/permits/2413407994_1743779292.515997/0/javax-websocket-client-api-1-0-sources-9-jar/javax/websocket/EncodeException.java
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jar/javax/websocket/OnMessage.java
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1.8426 genproto-googleapis-api 0.0.0-20250324211829-b45e905df463

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#+TITLE: List of code with permissive licenses as used by GnuPG.
#+STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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* Regular
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Subsequently modified by:

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1987 James A. Woods ames!jaw
1993 Christopher Seiwald seiwald@vix.com
2000, 2002 Christopher Seiwald <seiwald@perforce.com>
2010 Steve Bennett <steveb@workware.net.au>
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Version 3, 29 June 2007

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#+TITLE: List of code with permissive licenses as used by GnuPG.
#+STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.8440 google-golang-org-grpc 1.71.1

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1.8441 google-golang-org-genproto-googleapis-api 0.0.0-20250324211829-b45e905df463

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1.8442 command-not-found 0.3

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1.8443 c-ares 1.34.5-r0

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1.8444 tomcat-embed-el 10.1.39

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* /opt/cola/permits/2417721458_1744226776.8550882/0/netty-buffer-4-1-119-final-sources-1-jar/io/netty/buffer/SimpleLeakAwareCompositeByteBuf.java
* /opt/cola/permits/2417721458_1744226776.8550882/0/netty-buffer-4-1-119-final-sources-1-jar/io/netty/buffer/WrappedUnpooledUnsafeDirectByteBuf.java
* /opt/cola/permits/2417721458_1744226776.8550882/0/netty-buffer-4-1-119-final-sources-1-jar/io/netty/buffer/PooledDuplicatedByteBuf.java
* /opt/cola/permits/2417721458_1744226776.8550882/0/netty-buffer-4-1-119-final-sources-1-jar/io/netty/buffer/UnpooledUnsafeNoCleanerDirectByteBuf.java

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For the following XML Schemas for Java EE Deployment Descriptors:
- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd

- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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*
/opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/search/AbstractSearchProcessorFactory.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/search/BitapSearchProcessorFactory.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/search/SearchProcessorFactory.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/search/KmpSearchProcessorFactory.java

* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/search/MultiSearchProcessor.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/search/AbstractMultiSearchProcessorFactory.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/search/AhoCorasicSearchProcessorFactory.java
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*/
```

Found in path(s):
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/AdaptiveByteBufAllocator.java
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 -->
```

Found in path(s):
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/META-INF/maven/io.netty/netty-buffer/pom.xml

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```

Found in path(s):
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/PooledHeapByteBuf.java
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*/
```

Found in path(s):
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/PooledByteBufAllocator.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/SlicedByteBuf.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/AbstractByteBufAllocator.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/PoolSubpage.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-

jar/io/netty/buffer/ByteBufOutputStream.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/Unpooled.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/ByteBuf.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/DuplicatedByteBuf.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/UnpooledDirectByteBuf.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/PoolThreadCache.java
*
/opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/UnpooledByteBufAllocator.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/package-info.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/PoolChunkList.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/PooledDirectByteBuf.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/CompositeByteBuf.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/UnpooledUnsafeDirectByteBuf.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/PoolChunk.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/ByteBufUtil.java
*
/opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/ByteBufInputStream.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/AbstractByteBuf.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/ReadOnlyByteBuf.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/PoolArena.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/SwappedByteBuf.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/UnpooledHeapByteBuf.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/ByteBufAllocator.java
* /opt/cola/permits/2417748243_1744228893.829785/0/netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/PooledByteBuf.java

1.8452 postgre-sql 42.7.5

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1.8453 go-logging 1.9.0

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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

```
package compute

import (
 "bytes"
 "context"
 "fmt"
 "io"
 "math"
 "net/http"
 "net/url"
 "time"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/googleapi"
 "google.golang.org/api/iterator"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport
 "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/protobuf/encoding/protojson"
 "google.golang.org/protobuf/proto"
)

var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
 Delete            []gax.CallOption
 Get               []gax.CallOption
 GetIamPolicy      []gax.CallOption
 Insert            []gax.CallOption
 List              []gax.CallOption
 SetIamPolicy      []gax.CallOption
 TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
 return &LicensesCallOptions{
  Delete: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  Get: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
```

```
    Initial:    100 * time.Millisecond,
    Max:        60000 * time.Millisecond,
    Multiplier: 1.30,
   },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
  }),
 },
 GetIamPolicy:
[]gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
  gax.WithRetry(func() gax.Retryer {
   return gax.OnHTTPCodes(gax.Backoff{
    Initial:    100 * time.Millisecond,
    Max:        60000 * time.Millisecond,
    Multiplier: 1.30,
   },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
  }),
 },
 Insert: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
 },
 List: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
  gax.WithRetry(func() gax.Retryer {
   return gax.OnHTTPCodes(gax.Backoff{
    Initial:    100 * time.Millisecond,
    Max:        60000 * time.Millisecond,
    Multiplier: 1.30,
   },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
  }),
 },
 SetIamPolicy: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
 },
 TestIamPermissions: []gax.CallOption{
  gax.WithTimeout(600000
* time.Millisecond),
 },
}
}

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
```

```
 Close() error
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
 Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
 Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
 GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
 List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
 SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse,
 error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicensesClient

 // The call options for this service.
 CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
 return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

//
 Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
```

```
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
 return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption) (*computepb.License, error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy
 for a resource. May be empty if no such policy or resource exists. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
 return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
 list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
 return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
```

```
 return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use
 only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // operationClient is used to call the operation-specific management service.
 operationClient *GlobalOperationsClient

 // The x-goog-* headers to be sent with each request.
 xGoogHeaders []string

 // Points back to the CallOptions field of the containing LicensesClient
 CallOptions **LicensesCallOptions
}

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx
 context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
 clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicensesRESTCallOptions()
 c := &licensesRESTClient{
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
 }
```

```
 c.setGoogleClientInfo()

 o := []option.ClientOption{
  option.WithHTTPClient(httpClient),
  option.WithEndpoint(endpoint),
 }
 opC, err := NewGlobalOperationsRESTClient(ctx, o...)
 if err != nil {
  return nil, err
 }
 c.operationClient = opC

 return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
 }
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogHeaders = []string{"x-goog-api-client", gax.XGoogHeader(kv...)}
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
 // Replace httpClient with nil to force cleanup.
 c.httpClient = nil
 if err := c.operationClient.Close(); err != nil {
  return err
 }
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns
```

```
 nil.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
 return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds
 = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
```

```
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil
{
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx,
```

```
 hds...)
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.License{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// GetIamPolicy gets the access control policy for
 a resource. May be empty if no such policy or resource exists. Caution This resource is intended for use only by
third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 baseUrl, err := url.Parse(c.endpoint)
```

```
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

 params := url.Values{}
 if req != nil && req.OptionsRequestedPolicyVersion != nil {
  params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds
 = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
```

```
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return
nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetLicenseResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v",
 "project", url.QueryEscape(req.GetProject()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
```

```
opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return
err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}
```

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```
func (c *licensesRESTClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts
...gax.CallOption) *LicenseIterator {
 it := &LicenseIterator{}
 req = proto.Clone(req).(*computepb.ListLicensesRequest)
 unm
 := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
  resp := &computepb.LicensesListResponse{}
  if pageToken != "" {
   req.PageToken = proto.String(pageToken)
  }
  if pageSize > math.MaxInt32 {
   req.MaxResults = proto.Uint32(math.MaxInt32)
  } else if pageSize != 0 {
   req.MaxResults = proto.Uint32(uint32(pageSize))
  }
  baseUrl, err := url.Parse(c.endpoint)
  if err != nil {
   return nil, "", err
  }
  baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

  params := url.Values{}
  if req != nil && req.Filter != nil {
   params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
  }
  if req != nil && req.MaxResults != nil {
   params.Add("maxResults", fmt.Sprintf("%v", req.GetMaxResults()))
  }
  if req != nil && req.OrderBy != nil {
   params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
  }
  if req !=
 nil && req.PageToken != nil {
   params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
  }
  if req != nil && req.ReturnPartialSuccess != nil {
   params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
  }

  baseUrl.RawQuery = params.Encode()
```

```
 // Build HTTP headers from client and context metadata.
 hds := append(c.xGoogHeaders, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return
err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, "", e
 }
 it.Response = resp
 return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
 items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
 if err != nil {
  return "", err
 }
 it.items = append(it.items, items...)
```

```
  return nextPageToken, nil
 }

 it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
 it.pageInfo.MaxSize = int(req.GetMaxResults())
 it.pageInfo.Token = req.GetPageToken()

 return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption)
 (*computepb.Policy, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetGlobalSetPolicyRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e
 := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
```

```
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx
 context.Context, req *computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
```

```
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)],
 opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
```

```
 if e != nil {
  return nil, e
 }
 return resp, nil
}
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute

import (
 "bytes"
 "context"
 "fmt"
 "io"
 "net/http"
 "net/url"
 "time"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/googleapi"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/protobuf/encoding/protojson"
)

var
 newLicenseCodesClientHook clientHook

// LicenseCodesCallOptions contains the retry settings for each method of LicenseCodesClient.
type LicenseCodesCallOptions struct {
 Get              []gax.CallOption
```

```
 TestIamPermissions []gax.CallOption
}

func defaultLicenseCodesRESTCallOptions() *LicenseCodesCallOptions {
 return &LicenseCodesCallOptions{
  Get: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  TestIamPermissions: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
 }
}

// internalLicenseCodesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicenseCodesClient
 interface {
 Close() error
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
 Get(context.Context, *computepb.GetLicenseCodeRequest, ...gax.CallOption) (*computepb.LicenseCode, error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseCodeRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse, error)
}

// LicenseCodesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The LicenseCodes API.
type LicenseCodesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicenseCodesClient

 // The call options for this service.
 CallOptions *LicenseCodesCallOptions
}

// Wrapper methods routed to the internal client.
```

```
// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicenseCodesClient)
 Close() error {
 return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicenseCodesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

// Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicenseCodesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
}

// Get return a specified license code. License codes are mirrored across all projects that have permissions to read the
License Code. Caution This resource is intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *LicenseCodesClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts
...gax.CallOption) (*computepb.LicenseCode,
 error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicenseCodesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licenseCodesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client
```

```
 // The x-goog-* headers to be sent with each request.
 xGoogHeaders []string

 // Points back to the CallOptions field of the containing LicenseCodesClient
 CallOptions **LicenseCodesCallOptions
}

// NewLicenseCodesRESTClient
 creates a new license codes rest client.
//
// The LicenseCodes API.
func NewLicenseCodesRESTClient(ctx context.Context, opts ...option.ClientOption) (*LicenseCodesClient, error) {
 clientOpts := append(defaultLicenseCodesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicenseCodesRESTCallOptions()
 c := &licenseCodesRESTClient{
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
 }
 c.setGoogleClientInfo()

 return &LicenseCodesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicenseCodesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
 }
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licenseCodesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogHeaders = []string{"x-goog-api-client", gax.XGoogHeader(kv...)}
}
```

```
// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licenseCodesRESTClient) Close() error {
 // Replace httpClient with nil to force cleanup.
 c.httpClient = nil
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licenseCodesRESTClient) Connection() *grpc.ClientConn {
 return nil
}

// Get return a specified license code. License codes are
 mirrored across all projects that have permissions to read the License Code. Caution This resource is intended for
use only by third-party partners who are creating Cloud Marketplace images.
func (c *licenseCodesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts
...gax.CallOption) (*computepb.LicenseCode, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v", req.GetProject(),
req.GetLicenseCode())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license_code", url.QueryEscape(req.GetLicenseCode()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
 unm
 := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.LicenseCode{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
```

```
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners
 who are creating Cloud Marketplace images.
func (c *licenseCodesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v/testIamPermissions",
req.GetProject(), req.GetResource())
```

```
 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)],
 opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
```

```
 }
 return resp, nil
}
```

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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
 "google.golang.org/api/iterator"
)

func ExampleNewLicensesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will
 require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicensesClient_Delete() {
 ctx := context.Background()
```

```
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.DeleteLicenseRequest{
 //
TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
}
op, err := c.Delete(ctx, req)
if err != nil {
 // TODO: Handle error.
}

err = op.Wait(ctx)
if err != nil {
 // TODO: Handle error.
}
}

func ExampleLicensesClient_Get() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.GetLicenseRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
}
resp,
err := c.Get(ctx, req)
if err != nil {
 // TODO: Handle error.
```

```
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetIamPolicyLicenseRequest.
 }
 resp, err := c.GetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_Insert()
 {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.InsertLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
 }
```

```
 op, err := c.Insert(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_List() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template
 only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.ListLicensesRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
 }
 it := c.List(ctx, req)
 for {
  resp, err := it.Next()
  if err == iterator.Done {
   break
  }
  if err != nil {
   // TODO: Handle error.
  }
  // TODO: Use resp.
  _ = resp
 }
}

func ExampleLicensesClient_SetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range
```

```
 values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.SetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
 }
 resp, err := c.SetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown
 in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
 }
 resp, err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
// Copyright 2023 Google LLC
//
```

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package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleNewLicenseCodesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 //
 - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicenseCodesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
```

```
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseCodeRequest{
  // TODO: Fill request
 struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
 }
 resp, err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseCodeRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
 }
 resp,
 err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
//  protoc-gen-go v1.31.0
//  protoc        v4.23.2
// source: google/ai/generativelanguage/v1beta/permission.proto

package generativelanguagepb

import (
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
)

const
 (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Defines types of the grantee of this permission.
type Permission_GranteeType int32

const (
 // The default value. This value is unused.
 Permission_GRANTEE_TYPE_UNSPECIFIED Permission_GranteeType = 0
 // Represents a user. When set, you must provide email_address for the user.
 Permission_USER Permission_GranteeType = 1
 // Represents a group. When set, you must provide email_address for the
 // group.
 Permission_GROUP Permission_GranteeType = 2
 // Represents access to everyone. No extra information is required.
 Permission_EVERYONE Permission_GranteeType = 3
```

```
)

// Enum value maps for Permission_GranteeType.
var (
 Permission_GranteeType_name = map[int32]string{
  0: "GRANTEE_TYPE_UNSPECIFIED",
  1: "USER",
  2:
 "GROUP",
  3: "EVERYONE",
 }
 Permission_GranteeType_value = map[string]int32{
  "GRANTEE_TYPE_UNSPECIFIED": 0,
  "USER":                     1,
  "GROUP":                    2,
  "EVERYONE":                 3,
 }
)

func (x Permission_GranteeType) Enum() *Permission_GranteeType {
 p := new(Permission_GranteeType)
 *p = x
 return p
}

func (x Permission_GranteeType) String() string {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_GranteeType) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0].Descriptor()
}

func (Permission_GranteeType) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0]
}

func (x Permission_GranteeType) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_GranteeType.Descriptor instead.
func (Permission_GranteeType) EnumDescriptor() ([]byte,
 []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 0}
}

// Defines the role granted by this permission.
```

```
type Permission_Role int32

const (
 // The default value. This value is unused.
 Permission_ROLE_UNSPECIFIED Permission_Role = 0
 // Owner can use, update, share and delete the resource.
 Permission_OWNER Permission_Role = 1
 // Writer can use, update and share the resource.
 Permission_WRITER Permission_Role = 2
 // Reader can use the resource.
 Permission_READER Permission_Role = 3
)

// Enum value maps for Permission_Role.
var (
 Permission_Role_name = map[int32]string{
  0: "ROLE_UNSPECIFIED",
  1: "OWNER",
  2: "WRITER",
  3: "READER",
 }
 Permission_Role_value = map[string]int32{
  "ROLE_UNSPECIFIED": 0,
  "OWNER":            1,
  "WRITER":           2,
  "READER":           3,
 }
)

func (x Permission_Role) Enum() *Permission_Role {
 p := new(Permission_Role)
 *p = x
 return p
}

func (x Permission_Role) String() string {
 return
 protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_Role) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1].Descriptor()
}

func (Permission_Role) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1]
}
```

```
func (x Permission_Role) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_Role.Descriptor instead.
func (Permission_Role) EnumDescriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 1}
}

// Permission resource grants user, group or the rest of the world access to the
// PaLM API resource (e.g. a tuned model, corpus).
//
// A role is a collection of permitted operations that allows users to perform
// specific actions on PaLM API resources. To make them available to users,
// groups, or service accounts,
 you assign roles. When you assign a role, you
// grant permissions that the role contains.
//
// There are three concentric roles. Each role is a superset of the previous
// role's permitted operations:
//
// - reader can use the resource (e.g. tuned model, corpus) for inference
// - writer has reader's permissions and additionally can edit and share
// - owner has writer's permissions and additionally can delete
type Permission struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Output only. Identifier. The permission name. A unique name will be
 // generated on create. Examples:
 //     tunedModels/{tuned_model}/permissions/{permission}
 //     corpora/{corpus}/permissions/{permission}
 // Output only.
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Optional. Immutable. The type of the grantee.
 GranteeType *Permission_GranteeType
`protobuf:"varint,2,opt,name=grantee_type,json=granteeType,proto3,enum=google.ai.generativelanguage.v1beta.Pe
rmission_GranteeType,oneof"
 json:"grantee_type,omitempty"`
 // Optional. Immutable. The email address of the user of group which this
 // permission refers. Field is not set when permission's grantee type is
 // EVERYONE.
 EmailAddress *string `protobuf:"bytes,3,opt,name=email_address,json=emailAddress,proto3,oneof"
json:"email_address,omitempty"`
 // Required. The role granted by this permission.
 Role *Permission_Role
`protobuf:"varint,4,opt,name=role,proto3,enum=google.ai.generativelanguage.v1beta.Permission_Role,oneof"
```

```
json:"role,omitempty"`
}

func (x *Permission) Reset() {
 *x = Permission{}
 if protoimpl.UnsafeEnabled {
  mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  ms.StoreMessageInfo(mi)
 }
}

func (x *Permission) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*Permission) ProtoMessage() {}

func (x *Permission)
 ProtoReflect() protoreflect.Message {
 mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
 if protoimpl.UnsafeEnabled && x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use Permission.ProtoReflect.Descriptor instead.
func (*Permission) Descriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0}
}

func (x *Permission) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *Permission) GetGranteeType() Permission_GranteeType {
 if x != nil && x.GranteeType != nil {
  return *x.GranteeType
 }
 return Permission_GRANTEE_TYPE_UNSPECIFIED
```

```
}

func (x *Permission) GetEmailAddress() string {
 if x != nil && x.EmailAddress != nil {
  return *x.EmailAddress
 }
 return ""
}

func (x *Permission) GetRole() Permission_Role {
 if x != nil && x.Role
 != nil {
  return *x.Role
 }
 return Permission_ROLE_UNSPECIFIED
}

var File_google_ai_generativelanguage_v1beta_permission_proto protoreflect.FileDescriptor

var file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = []byte{
 0x0a, 0x34, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x23, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x1a, 0x1f, 0x67, 0x6f, 0x6f,
 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x62, 0x65,
 0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a,
 0x19, 0x67, 0x6f,
 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75, 0x72, 0x63,
 0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0x85, 0x05, 0x0a, 0x0a, 0x50, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x1a, 0x0a, 0x04, 0x6e, 0x61, 0x6d, 0x65, 0x18, 0x01,
 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x03, 0xe0, 0x41, 0x08, 0x52, 0x04, 0x6e, 0x61,
 0x6d, 0x65, 0x12, 0x6b, 0x0a, 0x0c, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f, 0x74, 0x79,
 0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0e, 0x32, 0x3b, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c,
 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65,
 0x65, 0x54, 0x79, 0x70, 0x65, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x00, 0x52,
 0x0b, 0x67,
 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x88, 0x01, 0x01, 0x12,
 0x30, 0x0a, 0x0d, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73,
 0x18, 0x03, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x01,
 0x52, 0x0c, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x41, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73, 0x88, 0x01,
 0x01, 0x12, 0x52, 0x0a, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x18, 0x04, 0x20, 0x01, 0x28, 0x0e, 0x32,
 0x34, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
```

```
 0x2e, 0x52, 0x6f, 0x6c, 0x65, 0x42, 0x03, 0xe0, 0x41, 0x02, 0x48, 0x02, 0x52, 0x04, 0x72, 0x6f,
 0x6c, 0x65, 0x88, 0x01, 0x01, 0x22, 0x4e, 0x0a, 0x0b, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65,
 0x54, 0x79, 0x70, 0x65, 0x12, 0x1c, 0x0a,
 0x18, 0x47, 0x52, 0x41, 0x4e, 0x54, 0x45, 0x45, 0x5f,
 0x54, 0x59, 0x50, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45, 0x44,
 0x10, 0x00, 0x12, 0x08, 0x0a, 0x04, 0x55, 0x53, 0x45, 0x52, 0x10, 0x01, 0x12, 0x09, 0x0a, 0x05,
 0x47, 0x52, 0x4f, 0x55, 0x50, 0x10, 0x02, 0x12, 0x0c, 0x0a, 0x08, 0x45, 0x56, 0x45, 0x52, 0x59,
 0x4f, 0x4e, 0x45, 0x10, 0x03, 0x22, 0x3f, 0x0a, 0x04, 0x52, 0x6f, 0x6c, 0x65, 0x12, 0x14, 0x0a,
 0x10, 0x52, 0x4f, 0x4c, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45,
 0x44, 0x10, 0x00, 0x12, 0x09, 0x0a, 0x05, 0x4f, 0x57, 0x4e, 0x45, 0x52, 0x10, 0x01, 0x12, 0x0a,
 0x0a, 0x06, 0x57, 0x52, 0x49, 0x54, 0x45, 0x52, 0x10, 0x02, 0x12, 0x0a, 0x0a, 0x06, 0x52, 0x45,
 0x41, 0x44, 0x45, 0x52, 0x10, 0x03, 0x3a, 0xaa, 0x01, 0xea, 0x41, 0xa6, 0x01, 0x0a, 0x2c, 0x67,
 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67,
 0x65, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73,
 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x32, 0x74, 0x75, 0x6e,
 0x65, 0x64, 0x4d, 0x6f, 0x64, 0x65, 0x6c, 0x73, 0x2f, 0x7b, 0x74, 0x75, 0x6e, 0x65, 0x64, 0x5f,
 0x6d, 0x6f, 0x64, 0x65, 0x6c, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f,
 0x6e, 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x12,
 0x29, 0x63, 0x6f, 0x72, 0x70, 0x6f, 0x72, 0x61, 0x2f, 0x7b, 0x63, 0x6f, 0x72, 0x70, 0x75, 0x73,
 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x2f, 0x7b, 0x70,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x2a, 0x0b, 0x70, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x32, 0x0a, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73,
 0x69, 0x6f, 0x6e, 0x42, 0x0f, 0x0a, 0x0d, 0x5f, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f,
 0x74, 0x79, 0x70, 0x65, 0x42, 0x10, 0x0a, 0x0e, 0x5f, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61,
 0x64,
 0x64, 0x72, 0x65, 0x73, 0x73, 0x42, 0x07, 0x0a, 0x05, 0x5f, 0x72, 0x6f, 0x6c, 0x65, 0x42,
 0x9b, 0x01, 0x0a, 0x27, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x42, 0x0f, 0x50, 0x65, 0x72,
 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x50, 0x01, 0x5a, 0x5d,
 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x67, 0x6f, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76,
 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x76, 0x31, 0x62,
 0x65, 0x74, 0x61, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61,
 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x3b, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74,
 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e,
 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x62, 0x06, 0x70,
 0x72, 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce sync.Once
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc
)

func file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP() []byte {
```

```
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce.Do(func() {
  file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData)
 })
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData
}

var file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes = make([]protoimpl.EnumInfo, 2)
var file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes = make([]protoimpl.MessageInfo, 1)
var file_google_ai_generativelanguage_v1beta_permission_proto_goTypes
 = []interface{}{
 (Permission_GranteeType)(0), // 0: google.ai.generativelanguage.v1beta.Permission.GranteeType
 (Permission_Role)(0),        // 1: google.ai.generativelanguage.v1beta.Permission.Role
 (*Permission)(nil),          // 2: google.ai.generativelanguage.v1beta.Permission
}
var file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = []int32{
 0, // 0: google.ai.generativelanguage.v1beta.Permission.grantee_type:type_name ->
google.ai.generativelanguage.v1beta.Permission.GranteeType
 1, // 1: google.ai.generativelanguage.v1beta.Permission.role:type_name ->
google.ai.generativelanguage.v1beta.Permission.Role
 2, // [2:2] is the sub-list for method output_type
 2, // [2:2] is the sub-list for method input_type
 2, // [2:2] is the sub-list for extension type_name
 2, // [2:2] is the sub-list for extension extendee
 0, // [0:2] is the sub-list for field type_name
}

func init() { file_google_ai_generativelanguage_v1beta_permission_proto_init()
 }
func file_google_ai_generativelanguage_v1beta_permission_proto_init() {
 if File_google_ai_generativelanguage_v1beta_permission_proto != nil {
  return
 }
 if !protoimpl.UnsafeEnabled {
  file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].Exporter = func(v interface{}, i int)
interface{} {
   switch v := v.(*Permission); i {
   case 0:
    return &v.state
   case 1:
    return &v.sizeCache
   case 2:
    return &v.unknownFields
   default:
    return nil
   }
  }
 }
```

```
file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].OneofWrappers = []interface{}{}
type x struct{}
out := protoimpl.TypeBuilder{
 File: protoimpl.DescBuilder{
  GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
  RawDescriptor: file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc,
  NumEnums:      2,
  NumMessages:   1,
  NumExtensions: 0,
  NumServices:   0,
 },
 GoTypes:          file_google_ai_generativelanguage_v1beta_permission_proto_goTypes,
 DependencyIndexes:
file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs,
 EnumInfos:         file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes,
 MessageInfos:      file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes,
}.Build()
File_google_ai_generativelanguage_v1beta_permission_proto = out.File
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = nil
file_google_ai_generativelanguage_v1beta_permission_proto_goTypes = nil
file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = nil
}
```

1.8454 gnupg-l10n 2.4.4-2ubuntu17.2

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#+STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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* Regular
expression support

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Subsequently modified by:

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1987 James A. Woods ames!jaw
1993 Christopher Seiwald seiwald@vix.com
2000, 2002 Christopher Seiwald <seiwald@perforce.com>
2010 Steve Bennett <steveb@workware.net.au>
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* /opt/cola/permits/2418284727_1744274545.3563073/0/tomcat-jsp-api-9-0-100-sources-jar/javax/servlet/jsp/tagext/DynamicAttributes.java

* /opt/cola/permits/2418284727_1744274545.3563073/0/tomcat-jsp-api-9-0-100-sources-jar/javax/servlet/jsp/el/FunctionMapper.java
* /opt/cola/permits/2418284727_1744274545.3563073/0/tomcat-jsp-api-9-0-100-sources-jar/javax/servlet/jsp/tagext/TagSupport.java
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jar/javax/servlet/jsp/resources/jspxml.dtd

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The original XML Schemas for Java EE Deployment Descriptors:
- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

may be obtained from:
http://www.oracle.com/webfolder/technetwork/jsc/xml/ns/javaee/index.html

1.8470 go-containeranalysis 0.115.0

1.8470.1 Available under license :

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//go:build go1.23

package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleLicensesClient_List_all() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications
 to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.ListLicensesRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
 }
 for resp, err := range c.List(ctx, req).All() {
  if err != nil {
   // TODO: Handle error and break/return/continue. Iteration will stop after any error.
  }
  // TODO: Use resp.
```

```
  _ = resp
 }
}
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package procurement_test

import (
 "context"

 procurement "cloud.google.com/go/commerce/consumer/procurement/apiv1"
 procurementpb "cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb"
 longrunningpb "cloud.google.com/go/longrunning/autogen/longrunningpb"
 "google.golang.org/api/iterator"
)

func ExampleNewLicenseManagementClient() {
 ctx
 := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}
```

```
func ExampleNewLicenseManagementRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c,
 err := procurement.NewLicenseManagementRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicenseManagementClient_Assign() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &procurementpb.AssignRequest{
  // TODO: Fill request struct fields.
  // See
https://pkg.go.dev/cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb#AssignRequest.
 }
 resp, err := c.Assign(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 //
 TODO: Use resp.
 _ = resp
}

func ExampleLicenseManagementClient_EnumerateLicensedUsers() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
```

```
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &procurementpb.EnumerateLicensedUsersRequest{
  // TODO: Fill request struct fields.
  // See
https://pkg.go.dev/cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb#EnumerateLicense
dUsersRequest.
 }
 it := c.EnumerateLicensedUsers(ctx, req)
 for {
  resp, err := it.Next()
  if err == iterator.Done {
   break
  }
  if err != nil {
   // TODO: Handle error.
  }
  //
 TODO: Use resp.
  _ = resp

  // If you need to access the underlying RPC response,
  // you can do so by casting the `Response` as below.
  // Otherwise, remove this line. Only populated after
  // first call to Next(). Not safe for concurrent access.
  _ = it.Response.(*procurementpb.EnumerateLicensedUsersResponse)
 }
}

func ExampleLicenseManagementClient_GetLicensePool() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
```

```
 defer c.Close()

 req := &procurementpb.GetLicensePoolRequest{
  // TODO: Fill request struct fields.
  //
 See
https://pkg.go.dev/cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb#GetLicensePoolRe
quest.
 }
 resp, err := c.GetLicensePool(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseManagementClient_Unassign() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &procurementpb.UnassignRequest{
  // TODO: Fill request struct fields.
  // See
https://pkg.go.dev/cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb#UnassignRequest.
 }
 resp,
 err := c.Unassign(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseManagementClient_UpdateLicensePool() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
```

```
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &procurementpb.UpdateLicensePoolRequest{
  // TODO: Fill request struct fields.
  // See
https://pkg.go.dev/cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb#UpdateLicensePoo
lRequest.
 }
 resp, err := c.UpdateLicensePool(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 //
 TODO: Use resp.
 _ = resp
}

func ExampleLicenseManagementClient_GetOperation() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &longrunningpb.GetOperationRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/longrunning/autogen/longrunningpb#GetOperationRequest.
 }
 resp, err := c.GetOperation(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
```

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package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
 "google.golang.org/api/iterator"
)

func ExampleNewLicensesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will
 require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicensesClient_Delete() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
```

```
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.DeleteLicenseRequest{
 //
TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
}
op, err := c.Delete(ctx, req)
if err != nil {
 // TODO: Handle error.
}

err = op.Wait(ctx)
if err != nil {
 // TODO: Handle error.
}
}

func ExampleLicensesClient_Get() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.GetLicenseRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
}
resp,
err := c.Get(ctx, req)
if err != nil {
 // TODO: Handle error.
}
// TODO: Use resp.
```

```
 _ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetIamPolicyLicenseRequest.
 }
 resp, err := c.GetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_Insert()
 {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.InsertLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
 }
 op, err := c.Insert(ctx, req)
 if err != nil {
```

```
 // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_List() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template
 only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.ListLicensesRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
 }
 it := c.List(ctx, req)
 for {
  resp, err := it.Next()
  if err == iterator.Done {
   break
  }
  if err != nil {
   // TODO: Handle error.
  }
  // TODO: Use resp.
  _ = resp

  // If you need to access the underlying RPC response,
  // you can do so by casting the `Response` as below.
  // Otherwise, remove this line. Only populated after
  // first call to Next(). Not safe for concurrent access.
  _ = it.Response.(*computepb.LicensesListResponse)
 }
}

func
```

```
ExampleLicensesClient_SetIamPolicy() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.SetIamPolicyLicenseRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
}
resp, err := c.SetIamPolicy(ctx, req)
if err != nil {
 // TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

func ExampleLicensesClient_TestIamPermissions() {
ctx := context.Background()
// This snippet has been automatically
generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.TestIamPermissionsLicenseRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
}
resp, err := c.TestIamPermissions(ctx, req)
if err != nil {
 // TODO: Handle error.
}
// TODO: Use resp.
```

_ = resp
}
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```
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute

import (
 "bytes"
 "context"
 "fmt"
 "log/slog"
 "math"
 "net/http"
 "net/url"
 "time"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/iterator"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/protobuf/encoding/protojson"
 "google.golang.org/protobuf/proto"
)

var
 newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
 Delete          []gax.CallOption
 Get             []gax.CallOption
 GetIamPolicy    []gax.CallOption
 Insert          []gax.CallOption
```

```
 List              []gax.CallOption
 SetIamPolicy      []gax.CallOption
 TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
 return &LicensesCallOptions{
  Delete: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  Get: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  GetIamPolicy:
[]gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  Insert: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  List: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
```

```
   }),
  },
  SetIamPolicy: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  TestIamPermissions: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
 }
}

//
 internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
 Close() error
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
 Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
 Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
 GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
 List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
 SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse,
 error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicensesClient

 // The call options for this service.
 CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
```

```
 return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

// Connection returns a connection
 to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
 return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy for a resource. May be empty
 if no such policy or resource exists. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
 return c.internalClient.Insert(ctx, req, opts...)
}
```

```
// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
list of publicly-available licenses,
 use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution
This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption)
*LicenseIterator {
 return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners
 who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // operationClient is used to call the operation-specific management service.
 operationClient *GlobalOperationsClient

 // The x-goog-* headers to be sent with each request.
 xGoogHeaders []string

 // Points back to the CallOptions field of the containing LicensesClient
 CallOptions **LicensesCallOptions

 logger *slog.Logger
}

// NewLicensesRESTClient creates a new licenses rest client.
```

```
//
// The Licenses API.
func NewLicensesRESTClient(ctx
 context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
 clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicensesRESTCallOptions()
 c := &licensesRESTClient{
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
  logger:      internaloption.GetLogger(opts),
 }
 c.setGoogleClientInfo()

 o := []option.ClientOption{
  option.WithHTTPClient(httpClient),
  option.WithEndpoint(endpoint),
 }
 opC, err := NewGlobalOperationsRESTClient(ctx, o...)
 if err != nil {
  return nil, err
 }
 c.operationClient = opC

 return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultEndpointTemplate("https://compute.UNIVERSE_DOMAIN"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultUniverseDomain("googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
  internaloption.EnableNewAuthLibrary(),
 }
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
```

```
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogHeaders = []string{
  "x-goog-api-client", gax.XGoogHeader(kv...),
 }
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
 // Replace httpClient
 with nil to force cleanup.
 c.httpClient = nil
 if err := c.operationClient.Close(); err != nil {
  return err
 }
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
 return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client
 and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense()))}
```

```
 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, nil, "Delete")
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf,
 resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 op := &Operation{
  &globalOperationsHandle{
   c:       c.operationClient,
   proto:   resp,
   project: req.GetProject(),
  },
 }
 return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 baseUrl, err := url.Parse(c.endpoint)
```

```
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders,
 hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.License{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, nil, "Get")
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource
 exists. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace
images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
```

```
opts ...gax.CallOption) (*computepb.Policy, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

 params := url.Values{}
 if req != nil && req.OptionsRequestedPolicyVersion != nil {
  params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds,
 "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, nil, "GetIamPolicy")
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }
```

```
 return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended
 for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetLicenseResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v", "project", url.QueryEscape(req.GetProject()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx,
 hds...)
 opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
```

```
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, jsonReq, "Insert")
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}

// List retrieves the
 list of licenses available in the specified project. This method does not get any licenses that belong to other projects,
including licenses attached to publicly-available images, like Debian 9. If you want to get a list of publicly-available
licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts
...gax.CallOption) *LicenseIterator {
 it := &LicenseIterator{}
 req = proto.Clone(req).(*computepb.ListLicensesRequest)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
  resp := &computepb.LicensesListResponse{}
  if pageToken != "" {
   req.PageToken = proto.String(pageToken)
  }
  if pageSize > math.MaxInt32
  {
   req.MaxResults = proto.Uint32(uint32(math.MaxInt32))
  } else if pageSize != 0 {
```

```
 req.MaxResults = proto.Uint32(uint32(pageSize))
}
baseUrl, err := url.Parse(c.endpoint)
if err != nil {
 return nil, "", err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

params := url.Values{}
if req != nil && req.Filter != nil {
 params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
}
if req != nil && req.MaxResults != nil {
 params.Add("maxResults", fmt.Sprintf("%v", req.GetMaxResults()))
}
if req != nil && req.OrderBy != nil {
 params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
}
if req != nil && req.PageToken != nil {
 params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
}
if req != nil && req.ReturnPartialSuccess != nil {
 params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from
client and context metadata.
hds := append(c.xGoogHeaders, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
 if err != nil {
  return err
 }
 httpReq.Header = headers

 buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, nil, "List")
 if err != nil {
  return err
 }
 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }
```

```
  return nil
 }, opts...)
 if e != nil {
  return nil, "", e
 }
 it.Response = resp
 return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
 items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
 if err != nil {
  return "", err
 }
 it.items = append(it.items, items...)
 return nextPageToken,
nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()

return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetGlobalSetPolicyRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds
```

```
 := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project", url.QueryEscape(req.GetProject()),
"resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, jsonReq, "SetIamPolicy")
  if err != nil {
   return err
  }

  if
 err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
```

```
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params",
 fmt.Sprintf("%s=%v&%s=%v", "project", url.QueryEscape(req.GetProject()), "resource",
url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  buf, err := executeHTTPRequest(ctx, c.httpClient, httpReq, c.logger, jsonReq, "TestIamPermissions")
  if err !=
 nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
```

```
  return nil, e
 }
 return resp, nil
}
// Copyright 2025 Google LLC
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// You may obtain a copy of the License at
//
//     https://www.apache.org/licenses/LICENSE-2.0
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// distributed under the License is distributed on an "AS IS" BASIS,
// WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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// limitations under the License.

// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

//go:build go1.23

package compute_test
// Copyright 2025 Google LLC
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//
//     http://www.apache.org/licenses/LICENSE-2.0
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// distributed under the License is distributed on an "AS IS" BASIS,
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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
//  protoc-gen-go v1.35.2
//  protoc        v4.25.3
// source: google/ai/generativelanguage/v1beta/permission.proto

package generativelanguagepb

import (
 reflect "reflect"
 sync "sync"
```

```
 _ "google.golang.org/genproto/googleapis/api/annotations"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
)

const
 (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Defines types of the grantee of this permission.
type Permission_GranteeType int32

const (
 // The default value. This value is unused.
 Permission_GRANTEE_TYPE_UNSPECIFIED Permission_GranteeType = 0
 // Represents a user. When set, you must provide email_address for the user.
 Permission_USER Permission_GranteeType = 1
 // Represents a group. When set, you must provide email_address for the
 // group.
 Permission_GROUP Permission_GranteeType = 2
 // Represents access to everyone. No extra information is required.
 Permission_EVERYONE Permission_GranteeType = 3
)

// Enum value maps for Permission_GranteeType.
var (
 Permission_GranteeType_name = map[int32]string{
  0: "GRANTEE_TYPE_UNSPECIFIED",
  1: "USER",
  2:
 "GROUP",
  3: "EVERYONE",
 }
 Permission_GranteeType_value = map[string]int32{
  "GRANTEE_TYPE_UNSPECIFIED": 0,
  "USER":                     1,
  "GROUP":                    2,
  "EVERYONE":                 3,
 }
)

func (x Permission_GranteeType) Enum() *Permission_GranteeType {
 p := new(Permission_GranteeType)
```

```
 *p = x
 return p
}

func (x Permission_GranteeType) String() string {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_GranteeType) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0].Descriptor()
}

func (Permission_GranteeType) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0]
}

func (x Permission_GranteeType) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_GranteeType.Descriptor instead.
func (Permission_GranteeType) EnumDescriptor() ([]byte,
 []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 0}
}

// Defines the role granted by this permission.
type Permission_Role int32

const (
 // The default value. This value is unused.
 Permission_ROLE_UNSPECIFIED Permission_Role = 0
 // Owner can use, update, share and delete the resource.
 Permission_OWNER Permission_Role = 1
 // Writer can use, update and share the resource.
 Permission_WRITER Permission_Role = 2
 // Reader can use the resource.
 Permission_READER Permission_Role = 3
)

// Enum value maps for Permission_Role.
var (
 Permission_Role_name = map[int32]string{
  0: "ROLE_UNSPECIFIED",
  1: "OWNER",
  2: "WRITER",
  3: "READER",
 }
```

```
 Permission_Role_value = map[string]int32{
  "ROLE_UNSPECIFIED": 0,
  "OWNER":            1,
  "WRITER":           2,
  "READER":           3,
 }
)

func (x Permission_Role) Enum() *Permission_Role {
 p := new(Permission_Role)
 *p = x
 return p
}

func (x Permission_Role) String() string {
 return
 protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_Role) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1].Descriptor()
}

func (Permission_Role) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1]
}

func (x Permission_Role) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_Role.Descriptor instead.
func (Permission_Role) EnumDescriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 1}
}

// Permission resource grants user, group or the rest of the world access to the
// PaLM API resource (e.g. a tuned model, corpus).
//
// A role is a collection of permitted operations that allows users to perform
// specific actions on PaLM API resources. To make them available to users,
// groups, or service accounts,
 you assign roles. When you assign a role, you
// grant permissions that the role contains.
//
// There are three concentric roles. Each role is a superset of the previous
// role's permitted operations:
//
```

```
// - reader can use the resource (e.g. tuned model, corpus) for inference
// - writer has reader's permissions and additionally can edit and share
// - owner has writer's permissions and additionally can delete
type Permission struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Output only. Identifier. The permission name. A unique name will be
 // generated on create. Examples:
 //
 // tunedModels/{tuned_model}/permissions/{permission}
 // corpora/{corpus}/permissions/{permission}
 //
 // Output only.
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Optional. Immutable. The type of the grantee.
 GranteeType *Permission_GranteeType
`protobuf:"varint,2,opt,name=grantee_type,json=granteeType,proto3,enum=google.ai.generativelanguage.v1beta.Pe
rmission_GranteeType,oneof"
 json:"grantee_type,omitempty"`
 // Optional. Immutable. The email address of the user of group which this
 // permission refers. Field is not set when permission's grantee type is
 // EVERYONE.
 EmailAddress *string `protobuf:"bytes,3,opt,name=email_address,json=emailAddress,proto3,oneof"
json:"email_address,omitempty"`
 // Required. The role granted by this permission.
 Role *Permission_Role
`protobuf:"varint,4,opt,name=role,proto3,enum=google.ai.generativelanguage.v1beta.Permission_Role,oneof"
json:"role,omitempty"`
}

func (x *Permission) Reset() {
 *x = Permission{}
 mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *Permission) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*Permission) ProtoMessage() {}

func (x *Permission) ProtoReflect() protoreflect.Message
 {
 mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
```

```
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use Permission.ProtoReflect.Descriptor instead.
func (*Permission) Descriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0}
}

func (x *Permission) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *Permission) GetGranteeType() Permission_GranteeType {
 if x != nil && x.GranteeType != nil {
  return *x.GranteeType
 }
 return Permission_GRANTEE_TYPE_UNSPECIFIED
}

func (x *Permission) GetEmailAddress() string {
 if x != nil && x.EmailAddress != nil {
  return *x.EmailAddress
 }
 return ""
}

func (x *Permission) GetRole() Permission_Role {
 if x != nil && x.Role != nil {
  return *x.Role
 }
 return Permission_ROLE_UNSPECIFIED
}

var
 File_google_ai_generativelanguage_v1beta_permission_proto protoreflect.FileDescriptor

var file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = []byte{
 0x0a, 0x34, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
```

0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x76,
0x31, 0x62, 0x65, 0x74, 0x61, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x23, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x1a, 0x1f, 0x67, 0x6f, 0x6f,
0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x62, 0x65,
0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a, 0x19, 0x67, 0x6f,
0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69,
0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75, 0x72, 0x63,
0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0x85, 0x05, 0x0a, 0x0a, 0x50, 0x65, 0x72, 0x6d,
0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x1a, 0x0a, 0x04, 0x6e, 0x61, 0x6d, 0x65, 0x18, 0x01,
0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x03, 0xe0, 0x41, 0x08, 0x52, 0x04, 0x6e, 0x61,
0x6d, 0x65, 0x12, 0x6b, 0x0a, 0x0c, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f, 0x74, 0x79,
0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0e, 0x32, 0x3b, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c,
0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50,
0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65,
0x65, 0x54, 0x79, 0x70, 0x65, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x00, 0x52,
0x0b, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x88,
0x01, 0x01, 0x12,
0x30, 0x0a, 0x0d, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73,
0x18, 0x03, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x01,
0x52, 0x0c, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x41, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73, 0x88, 0x01,
0x01, 0x12, 0x52, 0x0a, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x18, 0x04, 0x20, 0x01, 0x28, 0x0e, 0x32,
0x34, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65,
0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76,
0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
0x2e, 0x52, 0x6f, 0x6c, 0x65, 0x42, 0x03, 0xe0, 0x41, 0x02, 0x48, 0x02, 0x52, 0x04, 0x72, 0x6f,
0x6c, 0x65, 0x88, 0x01, 0x01, 0x22, 0x4e, 0x0a, 0x0b, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65,
0x54, 0x79, 0x70, 0x65, 0x12, 0x1c, 0x0a, 0x18, 0x47, 0x52, 0x41, 0x4e, 0x54, 0x45, 0x45, 0x5f,
0x54,
0x59, 0x50, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45, 0x44,
0x10, 0x00, 0x12, 0x08, 0x0a, 0x04, 0x55, 0x53, 0x45, 0x52, 0x10, 0x01, 0x12, 0x09, 0x0a, 0x05,
0x47, 0x52, 0x4f, 0x55, 0x50, 0x10, 0x02, 0x12, 0x0c, 0x0a, 0x08, 0x45, 0x56, 0x45, 0x52, 0x59,
0x4f, 0x4e, 0x45, 0x10, 0x03, 0x22, 0x3f, 0x0a, 0x04, 0x52, 0x6f, 0x6c, 0x65, 0x12, 0x14, 0x0a,
0x10, 0x52, 0x4f, 0x4c, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45,
0x44, 0x10, 0x00, 0x12, 0x09, 0x0a, 0x05, 0x4f, 0x57, 0x4e, 0x45, 0x52, 0x10, 0x01, 0x12, 0x0a,
0x0a, 0x06, 0x57, 0x52, 0x49, 0x54, 0x45, 0x52, 0x10, 0x02, 0x12, 0x0a, 0x0a, 0x06, 0x52, 0x45,
0x41, 0x44, 0x45, 0x52, 0x10, 0x03, 0x3a, 0xaa, 0x01, 0xea, 0x41, 0xa6, 0x01, 0x0a, 0x2c, 0x67,
0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67,
0x65, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73, 0x2e, 0x63, 0x6f, 0x6d,
0x2f, 0x50, 0x65, 0x72, 0x6d, 0x69,
0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x32, 0x74, 0x75, 0x6e,
0x65, 0x64, 0x4d, 0x6f, 0x64, 0x65, 0x6c, 0x73, 0x2f, 0x7b, 0x74, 0x75, 0x6e, 0x65, 0x64, 0x5f,
0x6d, 0x6f, 0x64, 0x65, 0x6c, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f,
0x6e, 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x12,
0x29, 0x63, 0x6f, 0x72, 0x70, 0x6f, 0x72, 0x61, 0x2f, 0x7b, 0x63, 0x6f, 0x72, 0x70, 0x75, 0x73,
0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x2f, 0x7b, 0x70,

```
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x2a, 0x0b, 0x70, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x32, 0x0a, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73,
 0x69, 0x6f, 0x6e, 0x42, 0x0f, 0x0a, 0x0d, 0x5f, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f,
 0x74, 0x79, 0x70, 0x65, 0x42, 0x10, 0x0a, 0x0e, 0x5f, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61,
 0x64, 0x64, 0x72, 0x65, 0x73, 0x73, 0x42, 0x07, 0x0a, 0x05, 0x5f,
 0x72, 0x6f, 0x6c, 0x65, 0x42,
 0x9b, 0x01, 0x0a, 0x27, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x42, 0x0f, 0x50, 0x65, 0x72,
 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x50, 0x01, 0x5a, 0x5d,
 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x67, 0x6f, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76,
 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x76, 0x31, 0x62,
 0x65, 0x74, 0x61, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61,
 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x3b, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74,
 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x62, 0x06, 0x70,
 0x72,
 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce sync.Once
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc
)

func file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP() []byte {
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce.Do(func() {
  file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData)
 })
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData
}

var file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes = make([]protoimpl.EnumInfo, 2)
var file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes = make([]protoimpl.MessageInfo, 1)
var file_google_ai_generativelanguage_v1beta_permission_proto_goTypes = []any{
 (Permission_GranteeType)(0),
 // 0: google.ai.generativelanguage.v1beta.Permission.GranteeType
 (Permission_Role)(0),        // 1: google.ai.generativelanguage.v1beta.Permission.Role
 (*Permission)(nil),          // 2: google.ai.generativelanguage.v1beta.Permission
}
var file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = []int32{
 0, // 0: google.ai.generativelanguage.v1beta.Permission.grantee_type:type_name ->
google.ai.generativelanguage.v1beta.Permission.GranteeType
 1, // 1: google.ai.generativelanguage.v1beta.Permission.role:type_name ->
google.ai.generativelanguage.v1beta.Permission.Role
 2, // [2:2] is the sub-list for method output_type
```

```
 2, // [2:2] is the sub-list for method input_type
 2, // [2:2] is the sub-list for extension type_name
 2, // [2:2] is the sub-list for extension extendee
 0, // [0:2] is the sub-list for field type_name
}

func init() { file_google_ai_generativelanguage_v1beta_permission_proto_init() }
func file_google_ai_generativelanguage_v1beta_permission_proto_init()
 {
 if File_google_ai_generativelanguage_v1beta_permission_proto != nil {
  return
 }
 file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].OneofWrappers = []any{}
 type x struct{}
 out := protoimpl.TypeBuilder{
  File: protoimpl.DescBuilder{
   GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
   RawDescriptor: file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc,
   NumEnums:      2,
   NumMessages:   1,
   NumExtensions: 0,
   NumServices:   0,
  },
  GoTypes:          file_google_ai_generativelanguage_v1beta_permission_proto_goTypes,
  DependencyIndexes: file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs,
  EnumInfos:         file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes,
  MessageInfos:      file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes,
 }.Build()
 File_google_ai_generativelanguage_v1beta_permission_proto = out.File
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_goTypes
 = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = nil
}
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```

```
// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleNewLicenseCodesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 //
 - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicenseCodesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseCodeRequest{
  // TODO: Fill request
 struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
 }
 resp, err := c.Get(ctx, req)
```

```
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseCodeRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
 }
 resp,
 err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.
```

```
//go:build go1.23

package procurement_test

import (
 "context"

 procurement "cloud.google.com/go/commerce/consumer/procurement/apiv1"
 procurementpb "cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb"
)

func ExampleLicenseManagementClient_EnumerateLicensedUsers_all() {
 ctx := context.Background()
 // This snippet has been automatically
 generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := procurement.NewLicenseManagementClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &procurementpb.EnumerateLicensedUsersRequest{
  // TODO: Fill request struct fields.
  // See
https://pkg.go.dev/cloud.google.com/go/commerce/consumer/procurement/apiv1/procurementpb#EnumerateLicense
dUsersRequest.
 }
 for resp, err := range c.EnumerateLicensedUsers(ctx, req).All() {
  if err != nil {
   // TODO: Handle error and break/return/continue. Iteration will stop after any error.
  }
  // TODO: Use resp.
  _ = resp
 }
}
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```

```
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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
//  protoc-gen-go v1.35.2
//  protoc        v4.25.3
// source: google/ai/generativelanguage/v1alpha/permission.proto

package generativelanguagepb

import (
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
)

const
 (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Defines types of the grantee of this permission.
type Permission_GranteeType int32

const (
 // The default value. This value is unused.
 Permission_GRANTEE_TYPE_UNSPECIFIED Permission_GranteeType = 0
 // Represents a user. When set, you must provide email_address for the user.
 Permission_USER Permission_GranteeType = 1
 // Represents a group. When set, you must provide email_address for the
 // group.
 Permission_GROUP Permission_GranteeType = 2
 // Represents access to everyone. No extra information is required.
 Permission_EVERYONE Permission_GranteeType = 3
)

// Enum value maps for Permission_GranteeType.
var (
 Permission_GranteeType_name = map[int32]string{
```

```
  0: "GRANTEE_TYPE_UNSPECIFIED",
  1: "USER",
  2:
 "GROUP",
  3: "EVERYONE",
 }
 Permission_GranteeType_value = map[string]int32{
  "GRANTEE_TYPE_UNSPECIFIED": 0,
  "USER":                     1,
  "GROUP":                    2,
  "EVERYONE":                 3,
 }
)

func (x Permission_GranteeType) Enum() *Permission_GranteeType {
 p := new(Permission_GranteeType)
 *p = x
 return p
}

func (x Permission_GranteeType) String() string {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_GranteeType) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1alpha_permission_proto_enumTypes[0].Descriptor()
}

func (Permission_GranteeType) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1alpha_permission_proto_enumTypes[0]
}

func (x Permission_GranteeType) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_GranteeType.Descriptor instead.
func (Permission_GranteeType) EnumDescriptor() ([]byte,
 []int) {
 return file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescGZIP(), []int{0, 0}
}

// Defines the role granted by this permission.
type Permission_Role int32

const (
 // The default value. This value is unused.
 Permission_ROLE_UNSPECIFIED Permission_Role = 0
```

```
 // Owner can use, update, share and delete the resource.
 Permission_OWNER Permission_Role = 1
 // Writer can use, update and share the resource.
 Permission_WRITER Permission_Role = 2
 // Reader can use the resource.
 Permission_READER Permission_Role = 3
)

// Enum value maps for Permission_Role.
var (
 Permission_Role_name = map[int32]string{
  0: "ROLE_UNSPECIFIED",
  1: "OWNER",
  2: "WRITER",
  3: "READER",
 }
 Permission_Role_value = map[string]int32{
  "ROLE_UNSPECIFIED": 0,
  "OWNER":            1,
  "WRITER":           2,
  "READER":           3,
 }
)

func (x Permission_Role) Enum() *Permission_Role {
 p := new(Permission_Role)
 *p = x
 return p
}

func (x Permission_Role) String() string
 {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_Role) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1alpha_permission_proto_enumTypes[1].Descriptor()
}

func (Permission_Role) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1alpha_permission_proto_enumTypes[1]
}

func (x Permission_Role) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_Role.Descriptor instead.
```

```
func (Permission_Role) EnumDescriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescGZIP(), []int{0, 1}
}

// Permission resource grants user, group or the rest of the world access to the
// PaLM API resource (e.g. a tuned model, corpus).
//
// A role is a collection of permitted operations that allows users to perform
// specific actions on PaLM API resources. To make them available to users,
// groups, or service
 accounts, you assign roles. When you assign a role, you
// grant permissions that the role contains.
//
// There are three concentric roles. Each role is a superset of the previous
// role's permitted operations:
//
// - reader can use the resource (e.g. tuned model, corpus) for inference
// - writer has reader's permissions and additionally can edit and share
// - owner has writer's permissions and additionally can delete
type Permission struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Output only. Identifier. The permission name. A unique name will be
 // generated on create. Examples:
 //
 // tunedModels/{tuned_model}/permissions/{permission}
 // corpora/{corpus}/permissions/{permission}
 //
 // Output only.
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Optional. Immutable. The type of the grantee.
 GranteeType *Permission_GranteeType
`protobuf:"varint,2,opt,name=grantee_type,json=granteeType,proto3,enum=google.ai.generativelanguage.v1alpha.P
ermission_GranteeType,oneof"
 json:"grantee_type,omitempty"`
 // Optional. Immutable. The email address of the user of group which this
 // permission refers. Field is not set when permission's grantee type is
 // EVERYONE.
 EmailAddress *string `protobuf:"bytes,3,opt,name=email_address,json=emailAddress,proto3,oneof"
json:"email_address,omitempty"`
 // Required. The role granted by this permission.
 Role *Permission_Role
`protobuf:"varint,4,opt,name=role,proto3,enum=google.ai.generativelanguage.v1alpha.Permission_Role,oneof"
json:"role,omitempty"`
}
```

```
func (x *Permission) Reset() {
 *x = Permission{}
 mi := &file_google_ai_generativelanguage_v1alpha_permission_proto_msgTypes[0]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *Permission) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*Permission) ProtoMessage() {}

func (x *Permission) ProtoReflect() protoreflect.Message
 {
 mi := &file_google_ai_generativelanguage_v1alpha_permission_proto_msgTypes[0]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use Permission.ProtoReflect.Descriptor instead.
func (*Permission) Descriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescGZIP(), []int{0}
}

func (x *Permission) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *Permission) GetGranteeType() Permission_GranteeType {
 if x != nil && x.GranteeType != nil {
  return *x.GranteeType
 }
 return Permission_GRANTEE_TYPE_UNSPECIFIED
}

func (x *Permission) GetEmailAddress() string {
 if x != nil && x.EmailAddress != nil {
  return *x.EmailAddress
```

```
 }
 return ""
}

func (x *Permission) GetRole() Permission_Role {
 if x != nil && x.Role != nil {
  return *x.Role
 }
 return Permission_ROLE_UNSPECIFIED
}

var
 File_google_ai_generativelanguage_v1alpha_permission_proto protoreflect.FileDescriptor

var file_google_ai_generativelanguage_v1alpha_permission_proto_rawDesc = []byte{
 0x0a, 0x35, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x76,
 0x31, 0x61, 0x6c, 0x70, 0x68, 0x61, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f,
 0x6e, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x24, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e,
 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e,
 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x61, 0x6c, 0x70, 0x68, 0x61, 0x1a, 0x1f, 0x67,
 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f,
 0x62, 0x65, 0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a, 0x19,
 0x67, 0x6f, 0x6f, 0x67, 0x6c,
 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75,
 0x72, 0x63, 0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0x87, 0x05, 0x0a, 0x0a, 0x50, 0x65,
 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x1a, 0x0a, 0x04, 0x6e, 0x61, 0x6d, 0x65,
 0x18, 0x01, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x03, 0xe0, 0x41, 0x08, 0x52, 0x04,
 0x6e, 0x61, 0x6d, 0x65, 0x12, 0x6c, 0x0a, 0x0c, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f,
 0x74, 0x79, 0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0e, 0x32, 0x3c, 0x2e, 0x67, 0x6f, 0x6f,
 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76,
 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x61, 0x6c, 0x70, 0x68,
 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x47, 0x72, 0x61,
 0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05,
 0x48, 0x00, 0x52, 0x0b, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65,
 0x65, 0x54, 0x79, 0x70, 0x65, 0x88,
 0x01, 0x01, 0x12, 0x30, 0x0a, 0x0d, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72,
 0x65, 0x73, 0x73, 0x18, 0x03, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41,
 0x05, 0x48, 0x01, 0x52, 0x0c, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x41, 0x64, 0x64, 0x72, 0x65, 0x73,
 0x73, 0x88, 0x01, 0x01, 0x12, 0x53, 0x0a, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x18, 0x04, 0x20, 0x01,
 0x28, 0x0e, 0x32, 0x35, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67,
 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67,
 0x65, 0x2e, 0x76, 0x31, 0x61, 0x6c, 0x70, 0x68, 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73,
 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x52, 0x6f, 0x6c, 0x65, 0x42, 0x03, 0xe0, 0x41, 0x02, 0x48, 0x02,
 0x52, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x88, 0x01, 0x01, 0x22, 0x4e, 0x0a, 0x0b, 0x47, 0x72, 0x61,
 0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x12, 0x1c, 0x0a, 0x18, 0x47, 0x52, 0x41,
 0x4e,
 0x54, 0x45, 0x45, 0x5f, 0x54, 0x59, 0x50, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49,
```

```
 0x46, 0x49, 0x45, 0x44, 0x10, 0x00, 0x12, 0x08, 0x0a, 0x04, 0x55, 0x53, 0x45, 0x52, 0x10, 0x01,
 0x12, 0x09, 0x0a, 0x05, 0x47, 0x52, 0x4f, 0x55, 0x50, 0x10, 0x02, 0x12, 0x0c, 0x0a, 0x08, 0x45,
 0x56, 0x45, 0x52, 0x59, 0x4f, 0x4e, 0x45, 0x10, 0x03, 0x22, 0x3f, 0x0a, 0x04, 0x52, 0x6f, 0x6c,
 0x65, 0x12, 0x14, 0x0a, 0x10, 0x52, 0x4f, 0x4c, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43,
 0x49, 0x46, 0x49, 0x45, 0x44, 0x10, 0x00, 0x12, 0x09, 0x0a, 0x05, 0x4f, 0x57, 0x4e, 0x45, 0x52,
 0x10, 0x01, 0x12, 0x0a, 0x0a, 0x06, 0x57, 0x52, 0x49, 0x54, 0x45, 0x52, 0x10, 0x02, 0x12, 0x0a,
 0x0a, 0x06, 0x52, 0x45, 0x41, 0x44, 0x45, 0x52, 0x10, 0x03, 0x3a, 0xaa, 0x01, 0xea, 0x41, 0xa6,
 0x01, 0x0a, 0x2c, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e,
 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73,
 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12,
 0x32, 0x74, 0x75, 0x6e, 0x65, 0x64, 0x4d, 0x6f, 0x64, 0x65, 0x6c, 0x73, 0x2f, 0x7b, 0x74, 0x75,
 0x6e, 0x65, 0x64, 0x5f, 0x6d, 0x6f, 0x64, 0x65, 0x6c, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69,
 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69,
 0x6f, 0x6e, 0x7d, 0x12, 0x29, 0x63, 0x6f, 0x72, 0x70, 0x6f, 0x72, 0x61, 0x2f, 0x7b, 0x63, 0x6f,
 0x72, 0x70, 0x75, 0x73, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x2a, 0x0b,
 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x32, 0x0a, 0x70, 0x65, 0x72,
 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x42, 0x0f, 0x0a, 0x0d, 0x5f, 0x67, 0x72, 0x61, 0x6e,
 0x74, 0x65, 0x65, 0x5f, 0x74, 0x79, 0x70, 0x65, 0x42, 0x10, 0x0a, 0x0e, 0x5f, 0x65, 0x6d, 0x61,
 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72, 0x65, 0x73,
 0x73, 0x42, 0x07, 0x0a, 0x05, 0x5f, 0x72,
 0x6f, 0x6c, 0x65, 0x42, 0x9d, 0x01, 0x0a, 0x28, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67,
 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65,
 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x61, 0x6c, 0x70, 0x68, 0x61,
 0x42, 0x0f, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x50, 0x72, 0x6f, 0x74,
 0x6f, 0x50, 0x01, 0x5a, 0x5e, 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
 0x65, 0x2e, 0x63, 0x6f, 0x6d, 0x2f, 0x67, 0x6f, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x61,
 0x70, 0x69, 0x76, 0x31, 0x61, 0x6c, 0x70, 0x68, 0x61, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61,
 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x3b, 0x67,
 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75,
 0x61, 0x67,
 0x65, 0x70, 0x62, 0x62, 0x06, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescOnce sync.Once
 file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescData =
file_google_ai_generativelanguage_v1alpha_permission_proto_rawDesc
)

func file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescGZIP() []byte {
 file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescOnce.Do(func() {
  file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescData)
 })
 return file_google_ai_generativelanguage_v1alpha_permission_proto_rawDescData
```

```
}

var file_google_ai_generativelanguage_v1alpha_permission_proto_enumTypes = make([]protoimpl.EnumInfo, 2)
var file_google_ai_generativelanguage_v1alpha_permission_proto_msgTypes = make([]protoimpl.MessageInfo, 1)
var file_google_ai_generativelanguage_v1alpha_permission_proto_goTypes
 = []any{
 (Permission_GranteeType)(0), // 0: google.ai.generativelanguage.v1alpha.Permission.GranteeType
 (Permission_Role)(0),        // 1: google.ai.generativelanguage.v1alpha.Permission.Role
 (*Permission)(nil),          // 2: google.ai.generativelanguage.v1alpha.Permission
}
var file_google_ai_generativelanguage_v1alpha_permission_proto_depIdxs = []int32{
 0, // 0: google.ai.generativelanguage.v1alpha.Permission.grantee_type:type_name ->
google.ai.generativelanguage.v1alpha.Permission.GranteeType
 1, // 1: google.ai.generativelanguage.v1alpha.Permission.role:type_name ->
google.ai.generativelanguage.v1alpha.Permission.Role
 2, // [2:2] is the sub-list for method output_type
 2, // [2:2] is the sub-list for method input_type
 2, // [2:2] is the sub-list for extension type_name
 2, // [2:2] is the sub-list for extension extendee
 0, // [0:2] is the sub-list for field type_name
}

func init() { file_google_ai_generativelanguage_v1alpha_permission_proto_init()
 }
func file_google_ai_generativelanguage_v1alpha_permission_proto_init() {
 if File_google_ai_generativelanguage_v1alpha_permission_proto != nil {
  return
 }
 file_google_ai_generativelanguage_v1alpha_permission_proto_msgTypes[0].OneofWrappers = []any{}
 type x struct{}
 out := protoimpl.TypeBuilder{
  File: protoimpl.DescBuilder{
   GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
   RawDescriptor: file_google_ai_generativelanguage_v1alpha_permission_proto_rawDesc,
   NumEnums:      2,
   NumMessages:   1,
   NumExtensions: 0,
   NumServices:   0,
  },
  GoTypes:           file_google_ai_generativelanguage_v1alpha_permission_proto_goTypes,
  DependencyIndexes: file_google_ai_generativelanguage_v1alpha_permission_proto_depIdxs,
  EnumInfos:         file_google_ai_generativelanguage_v1alpha_permission_proto_enumTypes,
  MessageInfos:      file_google_ai_generativelanguage_v1alpha_permission_proto_msgTypes,
 }.Build()
 File_google_ai_generativelanguage_v1alpha_permission_proto = out.File
 file_google_ai_generativelanguage_v1alpha_permission_proto_rawDesc
 = nil
 file_google_ai_generativelanguage_v1alpha_permission_proto_goTypes = nil
```

```
 file_google_ai_generativelanguage_v1alpha_permission_proto_depIdxs = nil
}

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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
//  protoc-gen-go v1.35.2
//  protoc        v4.25.3
// source: google/cloud/commerce/consumer/procurement/v1/license_management_service.proto

package procurementpb

import (
 context "context"
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"
 grpc "google.golang.org/grpc"
 codes "google.golang.org/grpc/codes"
 status
```

```
 "google.golang.org/grpc/status"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
 durationpb "google.golang.org/protobuf/types/known/durationpb"
 fieldmaskpb "google.golang.org/protobuf/types/known/fieldmaskpb"
 timestamppb "google.golang.org/protobuf/types/known/timestamppb"
)

const (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Assignment protocol for a license pool.
type AssignmentProtocol struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // The type of assignment protocol.
 //
 // Types that are assignable to AssignmentType:
 //
 // *AssignmentProtocol_ManualAssignmentType_
 // *AssignmentProtocol_AutoAssignmentType_
 AssignmentType
 isAssignmentProtocol_AssignmentType `protobuf_oneof:"assignment_type"`
}

func (x *AssignmentProtocol) Reset() {
 *x = AssignmentProtocol{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[0]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *AssignmentProtocol) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*AssignmentProtocol) ProtoMessage() {}

func (x *AssignmentProtocol) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[0]
```

```
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use AssignmentProtocol.ProtoReflect.Descriptor instead.
func (*AssignmentProtocol) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
 []int{0}
}

func (m *AssignmentProtocol) GetAssignmentType() isAssignmentProtocol_AssignmentType {
 if m != nil {
  return m.AssignmentType
 }
 return nil
}

func (x *AssignmentProtocol) GetManualAssignmentType() *AssignmentProtocol_ManualAssignmentType {
 if x, ok := x.GetAssignmentType().(*AssignmentProtocol_ManualAssignmentType_); ok {
  return x.ManualAssignmentType
 }
 return nil
}

func (x *AssignmentProtocol) GetAutoAssignmentType() *AssignmentProtocol_AutoAssignmentType {
 if x, ok := x.GetAssignmentType().(*AssignmentProtocol_AutoAssignmentType_); ok {
  return x.AutoAssignmentType
 }
 return nil
}

type isAssignmentProtocol_AssignmentType interface {
 isAssignmentProtocol_AssignmentType()
}

type AssignmentProtocol_ManualAssignmentType_ struct {
 // Allow manual assignments triggered by administrative operations only.
 ManualAssignmentType *AssignmentProtocol_ManualAssignmentType
`protobuf:"bytes,2,opt,name=manual_assignment_type,json=manualAssignmentType,proto3,oneof"`
}
```

```
type
 AssignmentProtocol_AutoAssignmentType_ struct {
 // Allow automatic assignments triggered by data plane operations.
 AutoAssignmentType *AssignmentProtocol_AutoAssignmentType
`protobuf:"bytes,3,opt,name=auto_assignment_type,json=autoAssignmentType,proto3,oneof"`
}

func (*AssignmentProtocol_ManualAssignmentType_) isAssignmentProtocol_AssignmentType() {}

func (*AssignmentProtocol_AutoAssignmentType_) isAssignmentProtocol_AssignmentType() {}

// A license pool represents a pool of licenses that can be assigned to users.
type LicensePool struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Identifier. Format:
 // `billingAccounts/{billing_account}/orders/{order}/licensePool`
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Required. Assignment protocol for the license pool.
 LicenseAssignmentProtocol *AssignmentProtocol
`protobuf:"bytes,2,opt,name=license_assignment_protocol,json=licenseAssignmentProtocol,proto3"
 json:"license_assignment_protocol,omitempty"`
 // Output only. Licenses count that are available to be assigned.
 AvailableLicenseCount int32
`protobuf:"varint,3,opt,name=available_license_count,json=availableLicenseCount,proto3"
json:"available_license_count,omitempty"`
 // Output only. Total number of licenses in the pool.
 TotalLicenseCount int32 `protobuf:"varint,4,opt,name=total_license_count,json=totalLicenseCount,proto3"
json:"total_license_count,omitempty"`
}

func (x *LicensePool) Reset() {
 *x = LicensePool{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[1]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *LicensePool) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*LicensePool) ProtoMessage() {}

func (x *LicensePool) ProtoReflect() protoreflect.Message {
```

```
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[1]
 if
 x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use LicensePool.ProtoReflect.Descriptor instead.
func (*LicensePool) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{1}
}

func (x *LicensePool) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *LicensePool) GetLicenseAssignmentProtocol() *AssignmentProtocol {
 if x != nil {
  return x.LicenseAssignmentProtocol
 }
 return nil
}

func (x *LicensePool) GetAvailableLicenseCount() int32 {
 if x != nil {
  return x.AvailableLicenseCount
 }
 return 0
}

func (x *LicensePool) GetTotalLicenseCount() int32 {
 if x != nil {
  return x.TotalLicenseCount
 }
 return 0
}
```

```
// Request message for getting a
 license pool.
type GetLicensePoolRequest struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Required. The name of the license pool to get.
 // Format: `billingAccounts/{billing_account}/orders/{order}/licensePool`
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
}

func (x *GetLicensePoolRequest) Reset() {
 *x = GetLicensePoolRequest{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[2]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *GetLicensePoolRequest) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*GetLicensePoolRequest) ProtoMessage() {}

func (x *GetLicensePoolRequest) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[2]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if
 ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use GetLicensePoolRequest.ProtoReflect.Descriptor instead.
func (*GetLicensePoolRequest) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{2}
}

func (x *GetLicensePoolRequest) GetName() string {
```

```
 if x != nil {
  return x.Name
 }
 return ""
}

// Request message for updating a license pool.
type UpdateLicensePoolRequest struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Required. The license pool to update.
 //
 // The license pool's name field is used to identify the license pool to
 // update. Format:
 // `billingAccounts/{billing_account}/orders/{order}/licensePool`.
 LicensePool *LicensePool `protobuf:"bytes,1,opt,name=license_pool,json=licensePool,proto3"
json:"license_pool,omitempty"`
 //
 Required. The list of fields to update.
 UpdateMask *fieldmaskpb.FieldMask `protobuf:"bytes,2,opt,name=update_mask,json=updateMask,proto3"
json:"update_mask,omitempty"`
}

func (x *UpdateLicensePoolRequest) Reset() {
 *x = UpdateLicensePoolRequest{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[3]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *UpdateLicensePoolRequest) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*UpdateLicensePoolRequest) ProtoMessage() {}

func (x *UpdateLicensePoolRequest) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[3]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
```

```
 }
 return mi.MessageOf(x)
}

// Deprecated: Use UpdateLicensePoolRequest.ProtoReflect.Descriptor
 instead.
func (*UpdateLicensePoolRequest) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{3}
}

func (x *UpdateLicensePoolRequest) GetLicensePool() *LicensePool {
 if x != nil {
  return x.LicensePool
 }
 return nil
}

func (x *UpdateLicensePoolRequest) GetUpdateMask() *fieldmaskpb.FieldMask {
 if x != nil {
  return x.UpdateMask
 }
 return nil
}

// Request message for
//
[LicenseManagementService.Assign][google.cloud.commerce.consumer.procurement.v1.LicenseManagementServic
e.Assign].
type AssignRequest struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Required. License pool name.
 Parent string `protobuf:"bytes,1,opt,name=parent,proto3" json:"parent,omitempty"`
 // Required. Username.
 // Format: `name@domain.com`.
 Usernames []string `protobuf:"bytes,2,rep,name=usernames,proto3" json:"usernames,omitempty"`
}

func
 (x *AssignRequest) Reset() {
 *x = AssignRequest{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[4]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
```

```
 ms.StoreMessageInfo(mi)
}

func (x *AssignRequest) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*AssignRequest) ProtoMessage() {}

func (x *AssignRequest) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[4]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use AssignRequest.ProtoReflect.Descriptor instead.
func (*AssignRequest) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{4}
}

func (x *AssignRequest) GetParent()
 string {
 if x != nil {
  return x.Parent
 }
 return ""
}

func (x *AssignRequest) GetUsernames() []string {
 if x != nil {
  return x.Usernames
 }
 return nil
}

// Response message for
//
[LicenseManagementService.Assign][google.cloud.commerce.consumer.procurement.v1.LicenseManagementServic
e.Assign].
```

```
type AssignResponse struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields
}

func (x *AssignResponse) Reset() {
 *x = AssignResponse{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[5]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *AssignResponse) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*AssignResponse) ProtoMessage() {}

func (x *AssignResponse) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[5]
 if x
 != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use AssignResponse.ProtoReflect.Descriptor instead.
func (*AssignResponse) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{5}
}

// Request message for
//
[LicenseManagementService.Unassign][google.cloud.commerce.consumer.procurement.v1.LicenseManagementSer
vice.Unassign].
type UnassignRequest struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
```

```
 unknownFields protoimpl.UnknownFields

 // Required. License pool name.
 Parent string `protobuf:"bytes,1,opt,name=parent,proto3" json:"parent,omitempty"`
 // Required. Username.
 // Format: `name@domain.com`.
 Usernames []string `protobuf:"bytes,2,rep,name=usernames,proto3" json:"usernames,omitempty"`
}

func (x *UnassignRequest) Reset()
 {
 *x = UnassignRequest{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[6]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *UnassignRequest) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*UnassignRequest) ProtoMessage() {}

func (x *UnassignRequest) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[6]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use UnassignRequest.ProtoReflect.Descriptor instead.
func (*UnassignRequest) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{6}
}

func (x *UnassignRequest) GetParent() string {
 if x != nil {
  return
```

```
 x.Parent
 }
 return ""
}

func (x *UnassignRequest) GetUsernames() []string {
 if x != nil {
  return x.Usernames
 }
 return nil
}

// Response message for
//
[LicenseManagementService.Unassign][google.cloud.commerce.consumer.procurement.v1.LicenseManagementSer
vice.Unassign].
type UnassignResponse struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields
}

func (x *UnassignResponse) Reset() {
 *x = UnassignResponse{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[7]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *UnassignResponse) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*UnassignResponse) ProtoMessage() {}

func (x *UnassignResponse) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[7]
 if x != nil {
  ms
 := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
```

```
}

// Deprecated: Use UnassignResponse.ProtoReflect.Descriptor instead.
func (*UnassignResponse) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{7}
}

// Request message for
//
[LicenseManagementService.EnumerateLicensedUsers][google.cloud.commerce.consumer.procurement.v1.License
ManagementService.EnumerateLicensedUsers].
type EnumerateLicensedUsersRequest struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Required. License pool name.
 Parent string `protobuf:"bytes,1,opt,name=parent,proto3" json:"parent,omitempty"`
 // Optional. The maximum number of users to return. The service may return
 // fewer than this value.
 PageSize int32 `protobuf:"varint,2,opt,name=page_size,json=pageSize,proto3"
 json:"page_size,omitempty"`
 // Optional. A page token, received from a previous `EnumerateLicensedUsers`
 // call. Provide this to retrieve the subsequent page.
 PageToken string `protobuf:"bytes,3,opt,name=page_token,json=pageToken,proto3" json:"page_token,omitempty"`
}

func (x *EnumerateLicensedUsersRequest) Reset() {
 *x = EnumerateLicensedUsersRequest{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[8]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *EnumerateLicensedUsersRequest) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*EnumerateLicensedUsersRequest) ProtoMessage() {}

func (x *EnumerateLicensedUsersRequest) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[8]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
```

```
 if ms.LoadMessageInfo()
 == nil {
  ms.StoreMessageInfo(mi)
 }
 return ms
}
return mi.MessageOf(x)
}

// Deprecated: Use EnumerateLicensedUsersRequest.ProtoReflect.Descriptor instead.
func (*EnumerateLicensedUsersRequest) Descriptor() ([]byte, []int) {
return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{8}
}

func (x *EnumerateLicensedUsersRequest) GetParent() string {
if x != nil {
 return x.Parent
}
return ""
}

func (x *EnumerateLicensedUsersRequest) GetPageSize() int32 {
if x != nil {
 return x.PageSize
}
return 0
}

func (x *EnumerateLicensedUsersRequest) GetPageToken() string {
if x != nil {
 return x.PageToken
}
return ""
}

// A licensed user.
type LicensedUser struct {
state         protoimpl.MessageState
sizeCache     protoimpl.SizeCache
unknownFields protoimpl.UnknownFields

// Username.
// Format: `name@domain.com`.
Username string `protobuf:"bytes,1,opt,name=username,proto3" json:"username,omitempty"`
//
```

```
 Output only. Timestamp when the license was assigned.
 AssignTime *timestamppb.Timestamp `protobuf:"bytes,2,opt,name=assign_time,json=assignTime,proto3"
json:"assign_time,omitempty"`
 // Output only. Timestamp when the license was recently used. This may not be
 // the most recent usage time, and will be updated regularly (within 24
 // hours).
 RecentUsageTime *timestamppb.Timestamp
`protobuf:"bytes,3,opt,name=recent_usage_time,json=recentUsageTime,proto3"
json:"recent_usage_time,omitempty"`
}

func (x *LicensedUser) Reset() {
 *x = LicensedUser{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[9]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *LicensedUser) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*LicensedUser) ProtoMessage() {}

func (x *LicensedUser) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[9]
 if
 x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use LicensedUser.ProtoReflect.Descriptor instead.
func (*LicensedUser) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{9}
}

func (x *LicensedUser) GetUsername() string {
 if x != nil {
```

```
  return x.Username
 }
 return ""
}

func (x *LicensedUser) GetAssignTime() *timestamppb.Timestamp {
 if x != nil {
  return x.AssignTime
 }
 return nil
}

func (x *LicensedUser) GetRecentUsageTime() *timestamppb.Timestamp {
 if x != nil {
  return x.RecentUsageTime
 }
 return nil
}

// Response message for
//
[LicenseManagementService.EnumerateLicensedUsers][google.cloud.commerce.consumer.procurement.v1.License
ManagementService.EnumerateLicensedUsers].
type EnumerateLicensedUsersResponse
 struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // The list of licensed users.
 LicensedUsers []*LicensedUser `protobuf:"bytes,1,rep,name=licensed_users,json=licensedUsers,proto3"
json:"licensed_users,omitempty"`
 // A token that can be sent as `page_token` to retrieve the next page.
 // If this field is omitted, there are no subsequent pages.
 NextPageToken string `protobuf:"bytes,2,opt,name=next_page_token,json=nextPageToken,proto3"
json:"next_page_token,omitempty"`
}

func (x *EnumerateLicensedUsersResponse) Reset() {
 *x = EnumerateLicensedUsersResponse{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[10]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *EnumerateLicensedUsersResponse) String() string {
 return protoimpl.X.MessageStringOf(x)
```

```
}

func (*EnumerateLicensedUsersResponse) ProtoMessage() {}

func
 (x *EnumerateLicensedUsersResponse) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[10]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use EnumerateLicensedUsersResponse.ProtoReflect.Descriptor instead.
func (*EnumerateLicensedUsersResponse) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{10}
}

func (x *EnumerateLicensedUsersResponse) GetLicensedUsers() []*LicensedUser {
 if x != nil {
  return x.LicensedUsers
 }
 return nil
}

func (x *EnumerateLicensedUsersResponse) GetNextPageToken() string {
 if x != nil {
  return x.NextPageToken
 }
 return ""
}

// Allow manual assignments triggered by administrative operations only.
type AssignmentProtocol_ManualAssignmentType
 struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields
}

func (x *AssignmentProtocol_ManualAssignmentType) Reset() {
```

```
 *x = AssignmentProtocol_ManualAssignmentType{}
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[11]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *AssignmentProtocol_ManualAssignmentType) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*AssignmentProtocol_ManualAssignmentType) ProtoMessage() {}

func (x *AssignmentProtocol_ManualAssignmentType) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[11]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated:
 Use AssignmentProtocol_ManualAssignmentType.ProtoReflect.Descriptor instead.
func (*AssignmentProtocol_ManualAssignmentType) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
[]int{0, 0}
}

// Configuration for automatic assignments handled by data plane operations.
type AssignmentProtocol_AutoAssignmentType struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Optional. The time to live for an inactive license. After this time has
 // passed, the license will be automatically unassigned from the user. Must
 // be at least 7 days, if set. If unset, the license will never expire.
 InactiveLicenseTtl *durationpb.Duration
`protobuf:"bytes,1,opt,name=inactive_license_ttl,json=inactiveLicenseTtl,proto3"
json:"inactive_license_ttl,omitempty"`
}
```

```
func (x *AssignmentProtocol_AutoAssignmentType) Reset() {
 *x = AssignmentProtocol_AutoAssignmentType{}
 mi
 := &file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[12]
 ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
 ms.StoreMessageInfo(mi)
}

func (x *AssignmentProtocol_AutoAssignmentType) String() string {
 return protoimpl.X.MessageStringOf(x)
}

func (*AssignmentProtocol_AutoAssignmentType) ProtoMessage() {}

func (x *AssignmentProtocol_AutoAssignmentType) ProtoReflect() protoreflect.Message {
 mi :=
&file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[12]
 if x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use AssignmentProtocol_AutoAssignmentType.ProtoReflect.Descriptor instead.
func (*AssignmentProtocol_AutoAssignmentType) Descriptor() ([]byte, []int) {
 return
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP(),
 []int{0, 1}
}

func (x *AssignmentProtocol_AutoAssignmentType) GetInactiveLicenseTtl() *durationpb.Duration {
 if x != nil {
  return x.InactiveLicenseTtl
 }
 return nil
}

var File_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto
protoreflect.FileDescriptor

var file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDesc =
[]byte{
 0x0a, 0x4e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2f, 0x63,
 0x6f, 0x6d, 0x6d, 0x65, 0x72, 0x63, 0x65, 0x2f, 0x63, 0x6f, 0x6e, 0x73, 0x75, 0x6d, 0x65, 0x72,
```

0x2f, 0x70, 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x2f, 0x76, 0x31, 0x2f, 0x6c, 0x69, 0x63, 0x65, 0x6e, 0x73, 0x65, 0x5f, 0x6d, 0x61, 0x6e, 0x61, 0x67, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x5f, 0x73, 0x65, 0x72, 0x76, 0x69, 0x63, 0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x2d, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x63, 0x6f,
0x6d, 0x6d, 0x65, 0x72, 0x63, 0x65, 0x2e, 0x63, 0x6f, 0x6e, 0x73, 0x75, 0x6d, 0x65, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x2e, 0x76, 0x31, 0x1a, 0x1c, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x61, 0x6e, 0x6e, 0x6f, 0x74, 0x61, 0x74, 0x69, 0x6f, 0x6e, 0x73, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a, 0x17, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x63, 0x6c, 0x69, 0x65, 0x6e, 0x74, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a, 0x1f, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x62, 0x65, 0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a, 0x19, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75, 0x72, 0x63, 0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a, 0x1e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x62, 0x75, 0x66, 0x2f, 0x64,
0x75, 0x72, 0x61, 0x74, 0x69, 0x6f, 0x6e, 0x2e, 0x70, 0x72, 0x6f,
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 0x02, 0x2d, 0x47, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x43, 0x6c, 0x6f, 0x75,
 0x64, 0x2e, 0x43,
 0x6f, 0x6d, 0x6d, 0x65, 0x72, 0x63, 0x65, 0x2e, 0x43, 0x6f, 0x6e, 0x73, 0x75, 0x6d, 0x65, 0x72,
 0x2e, 0x50, 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x2e, 0x56, 0x31, 0xca,
 0x02, 0x2d, 0x47, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x5c, 0x43, 0x6c, 0x6f, 0x75, 0x64, 0x5c, 0x43,
 0x6f, 0x6d, 0x6d, 0x65, 0x72, 0x63, 0x65, 0x5c, 0x43, 0x6f, 0x6e, 0x73, 0x75, 0x6d, 0x65, 0x72,
 0x5c, 0x50, 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74, 0x5c, 0x56, 0x31, 0xea,
 0x02, 0x32, 0x47, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x3a, 0x3a, 0x43, 0x6c, 0x6f, 0x75, 0x64, 0x3a,
 0x3a, 0x43, 0x6f, 0x6d, 0x6d, 0x65, 0x72, 0x63, 0x65, 0x3a, 0x3a, 0x43, 0x6f, 0x6e, 0x73, 0x75,
 0x6d, 0x65, 0x72, 0x3a, 0x3a, 0x50, 0x72, 0x6f, 0x63, 0x75, 0x72, 0x65, 0x6d, 0x65, 0x6e, 0x74,
 0x3a, 0x3a, 0x56, 0x31, 0x62, 0x06, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescOnce
sync.Once
 file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescData
 = file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDesc
)

func
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescGZIP()
[]byte {
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescOnce.Do(f
unc() {
  file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_cloud_commerce_consumer_procurement_v1_license_management_servi
ce_proto_rawDescData)
 })
 return file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDescData
}

var file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes =
make([]protoimpl.MessageInfo, 13)
var file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_goTypes =
```

```
[]any{
 (*AssignmentProtocol)(nil),
                    // 0: google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol
 (*LicensePool)(nil),                        // 1: google.cloud.commerce.consumer.procurement.v1.LicensePool
 (*GetLicensePoolRequest)(nil),                  // 2:
google.cloud.commerce.consumer.procurement.v1.GetLicensePoolRequest
 (*UpdateLicensePoolRequest)(nil),               // 3:
google.cloud.commerce.consumer.procurement.v1.UpdateLicensePoolRequest
 (*AssignRequest)(nil),                      // 4: google.cloud.commerce.consumer.procurement.v1.AssignRequest
 (*AssignResponse)(nil),                      // 5: google.cloud.commerce.consumer.procurement.v1.AssignResponse
 (*UnassignRequest)(nil),                     // 6: google.cloud.commerce.consumer.procurement.v1.UnassignRequest
 (*UnassignResponse)(nil),                     // 7: google.cloud.commerce.consumer.procurement.v1.UnassignResponse
 (*EnumerateLicensedUsersRequest)(nil),          // 8:
google.cloud.commerce.consumer.procurement.v1.EnumerateLicensedUsersRequest
 (*LicensedUser)(nil),
                        // 9: google.cloud.commerce.consumer.procurement.v1.LicensedUser
 (*EnumerateLicensedUsersResponse)(nil),         // 10:
google.cloud.commerce.consumer.procurement.v1.EnumerateLicensedUsersResponse
 (*AssignmentProtocol_ManualAssignmentType)(nil), // 11:
google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.ManualAssignmentType
 (*AssignmentProtocol_AutoAssignmentType)(nil),   // 12:
google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.AutoAssignmentType
 (*fieldmaskpb.FieldMask)(nil),                  // 13: google.protobuf.FieldMask
 (*timestamppb.Timestamp)(nil),                   // 14: google.protobuf.Timestamp
 (*durationpb.Duration)(nil),                   // 15: google.protobuf.Duration
}
var file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_depIdxs =
[]int32{
 11, // 0:
google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.manual_assignment_type:type_name
 -> google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.ManualAssignmentType
 12, // 1: google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.auto_assignment_type:type_name -
> google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.AutoAssignmentType
 0,  // 2: google.cloud.commerce.consumer.procurement.v1.LicensePool.license_assignment_protocol:type_name ->
google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol
 1,  // 3: google.cloud.commerce.consumer.procurement.v1.UpdateLicensePoolRequest.license_pool:type_name ->
google.cloud.commerce.consumer.procurement.v1.LicensePool
 13, // 4: google.cloud.commerce.consumer.procurement.v1.UpdateLicensePoolRequest.update_mask:type_name ->
google.protobuf.FieldMask
 14, // 5: google.cloud.commerce.consumer.procurement.v1.LicensedUser.assign_time:type_name ->
google.protobuf.Timestamp
 14, // 6: google.cloud.commerce.consumer.procurement.v1.LicensedUser.recent_usage_time:type_name
 -> google.protobuf.Timestamp
 9,  // 7:
google.cloud.commerce.consumer.procurement.v1.EnumerateLicensedUsersResponse.licensed_users:type_name ->
google.cloud.commerce.consumer.procurement.v1.LicensedUser
 15, // 8:
google.cloud.commerce.consumer.procurement.v1.AssignmentProtocol.AutoAssignmentType.inactive_license_ttl:t
```

```
ype_name -> google.protobuf.Duration
 2,  // 9: google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.GetLicensePool:input_type -
> google.cloud.commerce.consumer.procurement.v1.GetLicensePoolRequest
 3,  // 10:
google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.UpdateLicensePool:input_type ->
google.cloud.commerce.consumer.procurement.v1.UpdateLicensePoolRequest
 4,  // 11: google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.Assign:input_type ->
google.cloud.commerce.consumer.procurement.v1.AssignRequest
 6,  // 12: google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.Unassign:input_type
 -> google.cloud.commerce.consumer.procurement.v1.UnassignRequest
 8,  // 13:
google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.EnumerateLicensedUsers:input_typ
e -> google.cloud.commerce.consumer.procurement.v1.EnumerateLicensedUsersRequest
 1,  // 14:
google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.GetLicensePool:output_type ->
google.cloud.commerce.consumer.procurement.v1.LicensePool
 1,  // 15:
google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.UpdateLicensePool:output_type ->
google.cloud.commerce.consumer.procurement.v1.LicensePool
 5,  // 16: google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.Assign:output_type ->
google.cloud.commerce.consumer.procurement.v1.AssignResponse
 7,  // 17: google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.Unassign:output_type ->
google.cloud.commerce.consumer.procurement.v1.UnassignResponse
 10, // 18:
google.cloud.commerce.consumer.procurement.v1.LicenseManagementService.EnumerateLicensedUsers:output_ty
pe
 -> google.cloud.commerce.consumer.procurement.v1.EnumerateLicensedUsersResponse
 14, // [14:19] is the sub-list for method output_type
 9,  // [9:14] is the sub-list for method input_type
 9,  // [9:9] is the sub-list for extension type_name
 9,  // [9:9] is the sub-list for extension extendee
 0,  // [0:9] is the sub-list for field type_name
}

func init() {
 file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_init()
}
func file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_init() {
 if File_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto != nil {
  return
 }
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes[0].Oneof
Wrappers = []any{
  (*AssignmentProtocol_ManualAssignmentType_)(nil),
  (*AssignmentProtocol_AutoAssignmentType_)(nil),
 }
 type x struct{}
 out := protoimpl.TypeBuilder{
```

```
  File:
 protoimpl.DescBuilder{
   GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
   RawDescriptor:
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDesc,
   NumEnums:      0,
   NumMessages:   13,
   NumExtensions: 0,
   NumServices:   1,
  },
  GoTypes:
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_goTypes,
  DependencyIndexes:
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_depIdxs,
  MessageInfos:
file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_msgTypes,
 }.Build()
 File_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto = out.File
 file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_rawDesc = nil
 file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_goTypes = nil
 file_google_cloud_commerce_consumer_procurement_v1_license_management_service_proto_depIdxs
 = nil
}

// Reference imports to suppress errors if they are not otherwise used.
var _ context.Context
var _ grpc.ClientConnInterface

// This is a compile-time assertion to ensure that this generated file
// is compatible with the grpc package it is being compiled against.
const _ = grpc.SupportPackageIsVersion6

// LicenseManagementServiceClient is the client API for LicenseManagementService service.
//
// For semantics around ctx use and closing/ending streaming RPCs, please refer to
https://godoc.org/google.golang.org/grpc#ClientConn.NewStream.
type LicenseManagementServiceClient interface {
 // Gets the license pool.
 GetLicensePool(ctx context.Context, in *GetLicensePoolRequest, opts ...grpc.CallOption) (*LicensePool, error)
 // Updates the license pool if one exists for this Order.
 UpdateLicensePool(ctx context.Context, in *UpdateLicensePoolRequest, opts ...grpc.CallOption) (*LicensePool,
error)
 // Assigns a license to a user.
 Assign(ctx
 context.Context, in *AssignRequest, opts ...grpc.CallOption) (*AssignResponse, error)
 // Unassigns a license from a user.
 Unassign(ctx context.Context, in *UnassignRequest, opts ...grpc.CallOption) (*UnassignResponse, error)
 // Enumerates all users assigned a license.
```

```
 EnumerateLicensedUsers(ctx context.Context, in *EnumerateLicensedUsersRequest, opts ...grpc.CallOption)
(*EnumerateLicensedUsersResponse, error)
}

type licenseManagementServiceClient struct {
 cc grpc.ClientConnInterface
}

func NewLicenseManagementServiceClient(cc grpc.ClientConnInterface) LicenseManagementServiceClient {
 return &licenseManagementServiceClient{cc}
}

func (c *licenseManagementServiceClient) GetLicensePool(ctx context.Context, in *GetLicensePoolRequest, opts
...grpc.CallOption) (*LicensePool, error) {
 out := new(LicensePool)
 err := c.cc.Invoke(ctx,
"/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/GetLicensePool", in, out, opts...)
 if err != nil {
  return nil, err
 }
 return
 out, nil
}

func (c *licenseManagementServiceClient) UpdateLicensePool(ctx context.Context, in
*UpdateLicensePoolRequest, opts ...grpc.CallOption) (*LicensePool, error) {
 out := new(LicensePool)
 err := c.cc.Invoke(ctx,
"/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/UpdateLicensePool", in, out,
opts...)
 if err != nil {
  return nil, err
 }
 return out, nil
}

func (c *licenseManagementServiceClient) Assign(ctx context.Context, in *AssignRequest, opts ...grpc.CallOption)
(*AssignResponse, error) {
 out := new(AssignResponse)
 err := c.cc.Invoke(ctx, "/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/Assign", in,
out, opts...)
 if err != nil {
  return nil, err
 }
 return out, nil
}

func (c *licenseManagementServiceClient) Unassign(ctx context.Context, in *UnassignRequest, opts
```

```
...grpc.CallOption) (*UnassignResponse, error) {
 out := new(UnassignResponse)
 err := c.cc.Invoke(ctx, "/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/Unassign",
 in, out, opts...)
 if err != nil {
  return nil, err
 }
 return out, nil
}

func (c *licenseManagementServiceClient) EnumerateLicensedUsers(ctx context.Context, in
*EnumerateLicensedUsersRequest, opts ...grpc.CallOption) (*EnumerateLicensedUsersResponse, error) {
 out := new(EnumerateLicensedUsersResponse)
 err := c.cc.Invoke(ctx,
"/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/EnumerateLicensedUsers", in, out,
opts...)
 if err != nil {
  return nil, err
 }
 return out, nil
}

// LicenseManagementServiceServer is the server API for LicenseManagementService service.
type LicenseManagementServiceServer interface {
 // Gets the license pool.
 GetLicensePool(context.Context, *GetLicensePoolRequest) (*LicensePool, error)
 // Updates the license pool if one exists for this Order.
 UpdateLicensePool(context.Context, *UpdateLicensePoolRequest) (*LicensePool, error)
 // Assigns a license to a user.
 Assign(context.Context, *AssignRequest)
 (*AssignResponse, error)
 // Unassigns a license from a user.
 Unassign(context.Context, *UnassignRequest) (*UnassignResponse, error)
 // Enumerates all users assigned a license.
 EnumerateLicensedUsers(context.Context, *EnumerateLicensedUsersRequest)
(*EnumerateLicensedUsersResponse, error)
}

// UnimplementedLicenseManagementServiceServer can be embedded to have forward compatible
implementations.
type UnimplementedLicenseManagementServiceServer struct {
}

func (*UnimplementedLicenseManagementServiceServer) GetLicensePool(context.Context,
*GetLicensePoolRequest) (*LicensePool, error) {
 return nil, status.Errorf(codes.Unimplemented, "method GetLicensePool not implemented")
}
func (*UnimplementedLicenseManagementServiceServer) UpdateLicensePool(context.Context,
```

```
*UpdateLicensePoolRequest) (*LicensePool, error) {
 return nil, status.Errorf(codes.Unimplemented, "method UpdateLicensePool not implemented")
}
func (*UnimplementedLicenseManagementServiceServer) Assign(context.Context, *AssignRequest)
 (*AssignResponse, error) {
 return nil, status.Errorf(codes.Unimplemented, "method Assign not implemented")
}
func (*UnimplementedLicenseManagementServiceServer) Unassign(context.Context, *UnassignRequest)
(*UnassignResponse, error) {
 return nil, status.Errorf(codes.Unimplemented, "method Unassign not implemented")
}
func (*UnimplementedLicenseManagementServiceServer) EnumerateLicensedUsers(context.Context,
*EnumerateLicensedUsersRequest) (*EnumerateLicensedUsersResponse, error) {
 return nil, status.Errorf(codes.Unimplemented, "method EnumerateLicensedUsers not implemented")
}

func RegisterLicenseManagementServiceServer(s *grpc.Server, srv LicenseManagementServiceServer) {
 s.RegisterService(&_LicenseManagementService_serviceDesc, srv)
}

func _LicenseManagementService_GetLicensePool_Handler(srv interface{}, ctx context.Context, dec
func(interface{}) error, interceptor grpc.UnaryServerInterceptor) (interface{}, error) {
 in := new(GetLicensePoolRequest)
 if err := dec(in);
 err != nil {
  return nil, err
 }
 if interceptor == nil {
  return srv.(LicenseManagementServiceServer).GetLicensePool(ctx, in)
 }
 info := &grpc.UnaryServerInfo{
  Server:     srv,
  FullMethod: "/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/GetLicensePool",
 }
 handler := func(ctx context.Context, req interface{}) (interface{}, error) {
  return srv.(LicenseManagementServiceServer).GetLicensePool(ctx, req.(*GetLicensePoolRequest))
 }
 return interceptor(ctx, in, info, handler)
}

func _LicenseManagementService_UpdateLicensePool_Handler(srv interface{}, ctx context.Context, dec
func(interface{}) error, interceptor grpc.UnaryServerInterceptor) (interface{}, error) {
 in := new(UpdateLicensePoolRequest)
 if err := dec(in); err != nil {
  return nil, err
 }
 if interceptor == nil {
  return srv.(LicenseManagementServiceServer).UpdateLicensePool(ctx, in)
```

```
 }
 info := &grpc.UnaryServerInfo{
  Server:     srv,
  FullMethod: "/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/UpdateLicensePool",
 }
 handler
 := func(ctx context.Context, req interface{}) (interface{}, error) {
  return srv.(LicenseManagementServiceServer).UpdateLicensePool(ctx, req.(*UpdateLicensePoolRequest))
 }
 return interceptor(ctx, in, info, handler)
}

func _LicenseManagementService_Assign_Handler(srv interface{}, ctx context.Context, dec func(interface{})
error, interceptor grpc.UnaryServerInterceptor) (interface{}, error) {
 in := new(AssignRequest)
 if err := dec(in); err != nil {
  return nil, err
 }
 if interceptor == nil {
  return srv.(LicenseManagementServiceServer).Assign(ctx, in)
 }
 info := &grpc.UnaryServerInfo{
  Server:     srv,
  FullMethod: "/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/Assign",
 }
 handler := func(ctx context.Context, req interface{}) (interface{}, error) {
  return srv.(LicenseManagementServiceServer).Assign(ctx, req.(*AssignRequest))
 }
 return interceptor(ctx, in, info, handler)
}

func _LicenseManagementService_Unassign_Handler(srv
 interface{}, ctx context.Context, dec func(interface{}) error, interceptor grpc.UnaryServerInterceptor) (interface{},
error) {
 in := new(UnassignRequest)
 if err := dec(in); err != nil {
  return nil, err
 }
 if interceptor == nil {
  return srv.(LicenseManagementServiceServer).Unassign(ctx, in)
 }
 info := &grpc.UnaryServerInfo{
  Server:     srv,
  FullMethod: "/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/Unassign",
 }
 handler := func(ctx context.Context, req interface{}) (interface{}, error) {
  return srv.(LicenseManagementServiceServer).Unassign(ctx, req.(*UnassignRequest))
 }
```

```
 return interceptor(ctx, in, info, handler)
}

func _LicenseManagementService_EnumerateLicensedUsers_Handler(srv interface{}, ctx context.Context, dec
func(interface{}) error, interceptor grpc.UnaryServerInterceptor) (interface{}, error) {
 in := new(EnumerateLicensedUsersRequest)
 if err := dec(in); err != nil {
  return nil, err
 }
 if
 interceptor == nil {
  return srv.(LicenseManagementServiceServer).EnumerateLicensedUsers(ctx, in)
 }
 info := &grpc.UnaryServerInfo{
  Server:     srv,
  FullMethod:
"/google.cloud.commerce.consumer.procurement.v1.LicenseManagementService/EnumerateLicensedUsers",
 }
 handler := func(ctx context.Context, req interface{}) (interface{}, error) {
  return srv.(LicenseManagementServiceServer).EnumerateLicensedUsers(ctx,
req.(*EnumerateLicensedUsersRequest))
 }
 return interceptor(ctx, in, info, handler)
}

var _LicenseManagementService_serviceDesc = grpc.ServiceDesc{
 ServiceName: "google.cloud.commerce.consumer.procurement.v1.LicenseManagementService",
 HandlerType: (*LicenseManagementServiceServer)(nil),
 Methods: []grpc.MethodDesc{
  {
   MethodName: "GetLicensePool",
   Handler:    _LicenseManagementService_GetLicensePool_Handler,
  },
  {
   MethodName: "UpdateLicensePool",
   Handler:    _LicenseManagementService_UpdateLicensePool_Handler,
  },
  {
   MethodName: "Assign",
   Handler:
    _LicenseManagementService_Assign_Handler,
  },
  {
   MethodName: "Unassign",
   Handler:    _LicenseManagementService_Unassign_Handler,
  },
  {
   MethodName: "EnumerateLicensedUsers",
```

```
  Handler:    _LicenseManagementService_EnumerateLicensedUsers_Handler,
 },
},
Streams:  []grpc.StreamDesc{},
Metadata: "google/cloud/commerce/consumer/procurement/v1/license_management_service.proto",
}
```

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1.8471 typing-extensions 4.13.2

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A. HISTORY OF THE SOFTWARE
==========

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property.

Zope Corporation was a sponsoring member of the PSF.

All
Python releases are Open Source (see https://opensource.org for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

Footnotes:

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other software that is released under the GPL; the others don't.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
because its license has a choice of law clause. According to
CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1
is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's
direction to make these releases possible.

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1.8472 urllib3 2.4.0

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1.8473 go-auth 0.7.2

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package compute_test
```

```
import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
 "google.golang.org/api/iterator"
)

func ExampleNewLicensesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will
 require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicensesClient_Delete() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.DeleteLicenseRequest{
  //
 TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
 }
 op, err := c.Delete(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
```

```
 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
 }
 resp,
 err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
```

```
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetIamPolicyLicenseRequest.
 }
 resp, err := c.GetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_Insert()
 {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.InsertLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
 }
 op, err := c.Insert(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_List() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template
 only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
```

```
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.ListLicensesRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
}
it := c.List(ctx, req)
for {
 resp, err := it.Next()
 if err == iterator.Done {
  break
 }
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp

 // If you need to access the underlying RPC response,
 // you can do so by casting the `Response` as below.
 // Otherwise, remove this line. Only populated after
 // first call to Next(). Not safe for concurrent access.
 _ = it.Response.(*computepb.LicensesListResponse)
}
}

func
 ExampleLicensesClient_SetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.SetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
 }
 resp, err := c.SetIamPolicy(ctx, req)
```

```
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically
 generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
 }
 resp, err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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```

```
package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleNewLicenseCodesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 //
 - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicenseCodesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseCodeRequest{
  // TODO: Fill request
 struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
 }
 resp, err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
```

```
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseCodeRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
 }
 resp,
 err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
```

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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
// protoc-gen-go v1.34.2
// protoc   v4.25.3
// source: google/ai/generativelanguage/v1beta/permission.proto

```
package generativelanguagepb

import (
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
)

const
 (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Defines types of the grantee of this permission.
type Permission_GranteeType int32

const (
 // The default value. This value is unused.
 Permission_GRANTEE_TYPE_UNSPECIFIED Permission_GranteeType = 0
 // Represents a user. When set, you must provide email_address for the user.
 Permission_USER Permission_GranteeType = 1
 // Represents a group. When set, you must provide email_address for the
 // group.
 Permission_GROUP Permission_GranteeType = 2
 // Represents access to everyone. No extra information is required.
 Permission_EVERYONE Permission_GranteeType = 3
)

// Enum value maps for Permission_GranteeType.
var (
 Permission_GranteeType_name = map[int32]string{
  0: "GRANTEE_TYPE_UNSPECIFIED",
  1: "USER",
  2:
 "GROUP",
  3: "EVERYONE",
 }
 Permission_GranteeType_value = map[string]int32{
  "GRANTEE_TYPE_UNSPECIFIED": 0,
  "USER":                     1,
  "GROUP":                    2,
  "EVERYONE":                 3,
```

```
 }
)

func (x Permission_GranteeType) Enum() *Permission_GranteeType {
 p := new(Permission_GranteeType)
 *p = x
 return p
}

func (x Permission_GranteeType) String() string {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_GranteeType) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0].Descriptor()
}

func (Permission_GranteeType) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0]
}

func (x Permission_GranteeType) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_GranteeType.Descriptor instead.
func (Permission_GranteeType) EnumDescriptor() ([]byte,
 []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 0}
}

// Defines the role granted by this permission.
type Permission_Role int32

const (
 // The default value. This value is unused.
 Permission_ROLE_UNSPECIFIED Permission_Role = 0
 // Owner can use, update, share and delete the resource.
 Permission_OWNER Permission_Role = 1
 // Writer can use, update and share the resource.
 Permission_WRITER Permission_Role = 2
 // Reader can use the resource.
 Permission_READER Permission_Role = 3
)

// Enum value maps for Permission_Role.
var (
 Permission_Role_name = map[int32]string{
```

```
  0: "ROLE_UNSPECIFIED",
  1: "OWNER",
  2: "WRITER",
  3: "READER",
 }
 Permission_Role_value = map[string]int32{
  "ROLE_UNSPECIFIED": 0,
  "OWNER":           1,
  "WRITER":          2,
  "READER":          3,
 }
)

func (x Permission_Role) Enum() *Permission_Role {
 p := new(Permission_Role)
 *p = x
 return p
}

func (x Permission_Role) String() string {
 return
 protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_Role) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1].Descriptor()
}

func (Permission_Role) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1]
}

func (x Permission_Role) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_Role.Descriptor instead.
func (Permission_Role) EnumDescriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 1}
}

// Permission resource grants user, group or the rest of the world access to the
// PaLM API resource (e.g. a tuned model, corpus).
//
// A role is a collection of permitted operations that allows users to perform
// specific actions on PaLM API resources. To make them available to users,
// groups, or service accounts,
```

```
 you assign roles. When you assign a role, you
// grant permissions that the role contains.
//
// There are three concentric roles. Each role is a superset of the previous
// role's permitted operations:
//
// - reader can use the resource (e.g. tuned model, corpus) for inference
// - writer has reader's permissions and additionally can edit and share
// - owner has writer's permissions and additionally can delete
type Permission struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Output only. Identifier. The permission name. A unique name will be
 // generated on create. Examples:
 //
 // tunedModels/{tuned_model}/permissions/{permission}
 // corpora/{corpus}/permissions/{permission}
 //
 // Output only.
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Optional. Immutable. The type of the grantee.
 GranteeType *Permission_GranteeType
`protobuf:"varint,2,opt,name=grantee_type,json=granteeType,proto3,enum=google.ai.generativelanguage.v1beta.Pe
rmission_GranteeType,oneof"
 json:"grantee_type,omitempty"`
 // Optional. Immutable. The email address of the user of group which this
 // permission refers. Field is not set when permission's grantee type is
 // EVERYONE.
 EmailAddress *string `protobuf:"bytes,3,opt,name=email_address,json=emailAddress,proto3,oneof"
json:"email_address,omitempty"`
 // Required. The role granted by this permission.
 Role *Permission_Role
`protobuf:"varint,4,opt,name=role,proto3,enum=google.ai.generativelanguage.v1beta.Permission_Role,oneof"
json:"role,omitempty"`
}

func (x *Permission) Reset() {
 *x = Permission{}
 if protoimpl.UnsafeEnabled {
  mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  ms.StoreMessageInfo(mi)
 }
}

func (x *Permission) String() string {
```

```
 return protoimpl.X.MessageStringOf(x)
}

func (*Permission) ProtoMessage() {}

func (x *Permission)
 ProtoReflect() protoreflect.Message {
 mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
 if protoimpl.UnsafeEnabled && x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use Permission.ProtoReflect.Descriptor instead.
func (*Permission) Descriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0}
}

func (x *Permission) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *Permission) GetGranteeType() Permission_GranteeType {
 if x != nil && x.GranteeType != nil {
  return *x.GranteeType
 }
 return Permission_GRANTEE_TYPE_UNSPECIFIED
}

func (x *Permission) GetEmailAddress() string {
 if x != nil && x.EmailAddress != nil {
  return *x.EmailAddress
 }
 return ""
}

func (x *Permission) GetRole() Permission_Role {
 if x != nil && x.Role
 != nil {
  return *x.Role
```

```
 }
 return Permission_ROLE_UNSPECIFIED
}

var File_google_ai_generativelanguage_v1beta_permission_proto protoreflect.FileDescriptor

var file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = []byte{
 0x0a, 0x34, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x23, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x1a, 0x1f, 0x67, 0x6f, 0x6f,
 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x62, 0x65,
 0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a,
 0x19, 0x67, 0x6f,
 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75, 0x72, 0x63,
 0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0x85, 0x05, 0x0a, 0x0a, 0x50, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x1a, 0x0a, 0x04, 0x6e, 0x61, 0x6d, 0x65, 0x18, 0x01,
 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x03, 0xe0, 0x41, 0x08, 0x52, 0x04, 0x6e, 0x61,
 0x6d, 0x65, 0x12, 0x6b, 0x0a, 0x0c, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f, 0x74, 0x79,
 0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0e, 0x32, 0x3b, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c,
 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65,
 0x65, 0x54, 0x79, 0x70, 0x65, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x00, 0x52,
 0x0b, 0x67,
 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x88, 0x01, 0x01, 0x12,
 0x30, 0x0a, 0x0d, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73,
 0x18, 0x03, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x01,
 0x52, 0x0c, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x41, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73, 0x88, 0x01,
 0x01, 0x12, 0x52, 0x0a, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x18, 0x04, 0x20, 0x01, 0x28, 0x0e, 0x32,
 0x34, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x52, 0x6f, 0x6c, 0x65, 0x42, 0x03, 0xe0, 0x41, 0x02, 0x48, 0x02, 0x52, 0x04, 0x72, 0x6f,
 0x6c, 0x65, 0x88, 0x01, 0x01, 0x22, 0x4e, 0x0a, 0x0b, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65,
 0x54, 0x79, 0x70, 0x65, 0x12, 0x1c, 0x0a,
 0x18, 0x47, 0x52, 0x41, 0x4e, 0x54, 0x45, 0x45, 0x5f,
 0x54, 0x59, 0x50, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45, 0x44,
 0x10, 0x00, 0x12, 0x08, 0x0a, 0x04, 0x55, 0x53, 0x45, 0x52, 0x10, 0x01, 0x12, 0x09, 0x0a, 0x05,
 0x47, 0x52, 0x4f, 0x55, 0x50, 0x10, 0x02, 0x12, 0x0c, 0x0a, 0x08, 0x45, 0x56, 0x45, 0x52, 0x59,
 0x4f, 0x4e, 0x45, 0x10, 0x03, 0x22, 0x3f, 0x0a, 0x04, 0x52, 0x6f, 0x6c, 0x65, 0x12, 0x14, 0x0a,
 0x10, 0x52, 0x4f, 0x4c, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45,
 0x44, 0x10, 0x00, 0x12, 0x09, 0x0a, 0x05, 0x4f, 0x57, 0x4e, 0x45, 0x52, 0x10, 0x01, 0x12, 0x0a,
 0x0a, 0x06, 0x57, 0x52, 0x49, 0x54, 0x45, 0x52, 0x10, 0x02, 0x12, 0x0a, 0x0a, 0x06, 0x52, 0x45,
 0x41, 0x44, 0x45, 0x52, 0x10, 0x03, 0x3a, 0xaa, 0x01, 0xea, 0x41, 0xa6, 0x01, 0x0a, 0x2c, 0x67,
 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67,
```

```
 0x65, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73,
 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x32, 0x74, 0x75, 0x6e,
 0x65, 0x64, 0x4d, 0x6f, 0x64, 0x65, 0x6c, 0x73, 0x2f, 0x7b, 0x74, 0x75, 0x6e, 0x65, 0x64, 0x5f,
 0x6d, 0x6f, 0x64, 0x65, 0x6c, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f,
 0x6e, 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x12,
 0x29, 0x63, 0x6f, 0x72, 0x70, 0x6f, 0x72, 0x61, 0x2f, 0x7b, 0x63, 0x6f, 0x72, 0x70, 0x75, 0x73,
 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x2f, 0x7b, 0x70,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x2a, 0x0b, 0x70, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x32, 0x0a, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73,
 0x69, 0x6f, 0x6e, 0x42, 0x0f, 0x0a, 0x0d, 0x5f, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f,
 0x74, 0x79, 0x70, 0x65, 0x42, 0x10, 0x0a, 0x0e, 0x5f, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61,
 0x64,
 0x64, 0x72, 0x65, 0x73, 0x73, 0x42, 0x07, 0x0a, 0x05, 0x5f, 0x72, 0x6f, 0x6c, 0x65, 0x42,
 0x9b, 0x01, 0x0a, 0x27, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x42, 0x0f, 0x50, 0x65, 0x72,
 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x50, 0x01, 0x5a, 0x5d,
 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x67, 0x6f, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76,
 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x76, 0x31, 0x62,
 0x65, 0x74, 0x61, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61,
 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x3b, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74,
 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e,
 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x62, 0x06, 0x70,
 0x72, 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce sync.Once
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc
)

func file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP() []byte {
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce.Do(func() {
  file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData)
 })
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData
}

var file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes = make([]protoimpl.EnumInfo, 2)
var file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes = make([]protoimpl.MessageInfo, 1)
var file_google_ai_generativelanguage_v1beta_permission_proto_goTypes
 = []any{
 (Permission_GranteeType)(0), // 0: google.ai.generativelanguage.v1beta.Permission.GranteeType
 (Permission_Role)(0),        // 1: google.ai.generativelanguage.v1beta.Permission.Role
```

```
 (*Permission)(nil),          // 2: google.ai.generativelanguage.v1beta.Permission
}
var file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = []int32{
 0, // 0: google.ai.generativelanguage.v1beta.Permission.grantee_type:type_name ->
google.ai.generativelanguage.v1beta.Permission.GranteeType
 1, // 1: google.ai.generativelanguage.v1beta.Permission.role:type_name ->
google.ai.generativelanguage.v1beta.Permission.Role
 2, // [2:2] is the sub-list for method output_type
 2, // [2:2] is the sub-list for method input_type
 2, // [2:2] is the sub-list for extension type_name
 2, // [2:2] is the sub-list for extension extendee
 0, // [0:2] is the sub-list for field type_name
}

func init() { file_google_ai_generativelanguage_v1beta_permission_proto_init() }
func
 file_google_ai_generativelanguage_v1beta_permission_proto_init() {
 if File_google_ai_generativelanguage_v1beta_permission_proto != nil {
  return
 }
 if !protoimpl.UnsafeEnabled {
  file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].Exporter = func(v any, i int) any {
   switch v := v.(*Permission); i {
   case 0:
    return &v.state
   case 1:
    return &v.sizeCache
   case 2:
    return &v.unknownFields
   default:
    return nil
   }
  }
 }
 file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].OneofWrappers = []any{}
 type x struct{}
 out := protoimpl.TypeBuilder{
  File: protoimpl.DescBuilder{
   GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
   RawDescriptor: file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc,
   NumEnums:      2,
   NumMessages:   1,
   NumExtensions: 0,
   NumServices:   0,
  },
  GoTypes:           file_google_ai_generativelanguage_v1beta_permission_proto_goTypes,
  DependencyIndexes: file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs,
  EnumInfos:
```

```
        file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes,
 MessageInfos:      file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes,
 }.Build()
 File_google_ai_generativelanguage_v1beta_permission_proto = out.File
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_goTypes = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = nil
}
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// WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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// limitations under the License.

// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute

import (
 "bytes"
 "context"
 "fmt"
 "io"
 "math"
 "net/http"
 "net/url"
 "time"

 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/googleapi"
 "google.golang.org/api/iterator"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport
 "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/protobuf/encoding/protojson"
 "google.golang.org/protobuf/proto"
)
```

```
var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
 Delete            []gax.CallOption
 Get               []gax.CallOption
 GetIamPolicy      []gax.CallOption
 Insert            []gax.CallOption
 List              []gax.CallOption
 SetIamPolicy      []gax.CallOption
 TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
 return &LicensesCallOptions{
  Delete: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  Get: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  GetIamPolicy:
 []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  Insert: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  List: []gax.CallOption{
```

```
  gax.WithTimeout(600000 * time.Millisecond),
  gax.WithRetry(func() gax.Retryer {
   return gax.OnHTTPCodes(gax.Backoff{
    Initial:    100 * time.Millisecond,
    Max:        60000 * time.Millisecond,
    Multiplier: 1.30,
   },
    http.StatusGatewayTimeout,
    http.StatusServiceUnavailable)
  }),
 },
 SetIamPolicy: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
 },
 TestIamPermissions: []gax.CallOption{
  gax.WithTimeout(600000
* time.Millisecond),
 },
}
}

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
 Close() error
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
 Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
 Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
 GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
 List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
 SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse,
 error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicensesClient
```

```
 // The call options for this service.
 CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
 return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

//
 Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
 return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy
 for a resource. May be empty if no such policy or resource exists. Caution This resource is intended for use only by
third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.GetIamPolicy(ctx, req, opts...)
```

```
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
 return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
 list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-
cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating
Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption)
*LicenseIterator {
 return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use
 only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // operationClient is used to call the operation-specific management service.
 operationClient *GlobalOperationsClient

 // The x-goog-* headers to be sent with each request.
```

```
 xGoogHeaders []string

 // Points back to the CallOptions field of the containing LicensesClient
 CallOptions **LicensesCallOptions
}

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx
 context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
 clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicensesRESTCallOptions()
 c := &licensesRESTClient{
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
 }
 c.setGoogleClientInfo()

 o := []option.ClientOption{
  option.WithHTTPClient(httpClient),
  option.WithEndpoint(endpoint),
 }
 opC, err := NewGlobalOperationsRESTClient(ctx, o...)
 if err != nil {
  return nil, err
 }
 c.operationClient = opC

 return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultEndpointTemplate("https://compute.UNIVERSE_DOMAIN"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultUniverseDomain("googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
  internaloption.EnableNewAuthLibrary(),
 }
```

```
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogHeaders = []string{
  "x-goog-api-client", gax.XGoogHeader(kv...),
 }
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
 // Replace httpClient with nil to force cleanup.
 c.httpClient
 = nil
 if err := c.operationClient.Close(); err != nil {
  return err
 }
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
 return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }
```

```
baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
hds := []string{"x-goog-request-params",
fmt.Sprintf("%s=%v&%s=%v", "project", url.QueryEscape(req.GetProject()), "license",
url.QueryEscape(req.GetLicense()))}

hds = append(c.xGoogHeaders, hds...)
hds = append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 }
 httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf,
err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
```

```
 }
 op := &Operation{
  &globalOperationsHandle{
   c:       c.operationClient,
   proto:   resp,
   project: req.GetProject(),
  },
 }
 return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()),
 "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.License{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()
```

```
  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err
 := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

 params := url.Values{}
 if req != nil && req.OptionsRequestedPolicyVersion != nil {
  params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and
 context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
```

```
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp);
 err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
```

```
...gax.CallOption) (*Operation, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetLicenseResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId",
 fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v", "project", url.QueryEscape(req.GetProject()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err !=
 nil {
   return err
  }
  defer httpRsp.Body.Close()
```

```
 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}
```

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```
func (c *licensesRESTClient)
 List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
 it := &LicenseIterator{}
 req = proto.Clone(req).(*computepb.ListLicensesRequest)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
  resp := &computepb.LicensesListResponse{}
  if pageToken != "" {
   req.PageToken = proto.String(pageToken)
  }
  if pageSize > math.MaxInt32 {
   req.MaxResults = proto.Uint32(math.MaxInt32)
  } else if pageSize != 0 {
   req.MaxResults = proto.Uint32(uint32(pageSize))
```

```
 }
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, "", err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.Filter != nil {
  params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
 }
 if req != nil && req.MaxResults != nil {
  params.Add("maxResults",
fmt.Sprintf("%v", req.GetMaxResults()))
 }
 if req != nil && req.OrderBy != nil {
  params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
 }
 if req != nil && req.PageToken != nil {
  params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
 }
 if req != nil && req.ReturnPartialSuccess != nil {
  params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := append(c.xGoogHeaders, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return
err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
```

```
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, "", e
 }
 it.Response = resp
 return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
 items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
 if err != nil {
  return "", err
 }
 it.items = append(it.items, items...)
 return nextPageToken, nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()

return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only
 by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetGlobalSetPolicyRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }
```

```
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
 opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
```

```
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// TestIamPermissions returns permissions that a caller has on
 the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type",
 "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
```

```
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return
nil
}, opts...)
if e != nil {
 return nil, e
}
return resp, nil
}
```

1.8474 vim 9.1.0016-1ubuntu7.8

1.8474.1 Available under license :

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vi: set ft=:
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uganda.txt For Vim version 9.1. Last change: 2022 Mar 02

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below or visit the ICCF web site, available at these URLs:

https://iccf-holland.org/
https://www.vim.org/iccf/
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You can also sponsor the development of Vim. Vim sponsors can vote for
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==========

Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there usually is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that in the past 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. Although AIDS is now mostly under control, the problems are still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given.

Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a clinic at the project, which provides children and their family medical help. Since 2020 a maternity ward was added and 24/7 service is available. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

donate

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money: *iccf-donations*

Check the ICCF web site for the latest information! See |iccf| for the URL.

USA: The methods mentioned below can be used.
If you must send a check send it to our Canadian partner:
https://www.kuwasha.net/

Canada: Contact Kuwasha in Surrey, Canada. They take care of the
Canadian sponsors for the children in Kibaale. Kuwasha
forwards 100% of the money to the project in Uganda. You can
send them a one time donation directly.
Please send me a note so that I know what has been donated
because of Vim. Look on their site for information about
sponsorship: https://www.kuwasha.net/
If you make a donation to Kuwasha you will receive a tax
receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting
ICCF Holland" in
Amersfoort. This will allow for tax deduction if you live in
Holland. ING bank, IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.
Check the ICCF web site for the latest information:
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Europe: Use a bank transfer if possible. See "Others" below for the
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Bram@iccf-holland.org

Others: Transfer to this account if possible:
ING bank: IBAN: NL95 INGB 0004 5487 74
Swift code: INGBNL2A
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1.8475 servlet-api 4.0.0

1.8475.1 Available under license :

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Found in path(s):
* /opt/cola/permits/2423134725_1744416246.4316745/0/servlet-api-4-0-0-sources-8-jar/META-INF/maven/org.xipki/servlet-api/pom.xml
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* /opt/cola/permits/2423134725_1744416246.4316745/0/servlet-api-4-0-0-sources-8-

jar/org/xipki/http/servlet/TlsHelper.java
* /opt/cola/permits/2423134725_1744416246.4316745/0/servlet-api-4-0-0-sources-8-jar/org/xipki/http/servlet/ServletURI.java
* /opt/cola/permits/2423134725_1744416246.4316745/0/servlet-api-4-0-0-sources-8-jar/org/xipki/http/servlet/ServletURIPool.java
*
 /opt/cola/permits/2423134725_1744416246.4316745/0/servlet-api-4-0-0-sources-8-jar/org/xipki/http/servlet/SimpleLruCache.java
* /opt/cola/permits/2423134725_1744416246.4316745/0/servlet-api-4-0-0-sources-8-jar/org/xipki/http/servlet/HttpServlet.java
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* /opt/cola/permits/2423134725_1744416246.4316745/0/servlet-api-4-0-0-sources-8-jar/org/xipki/http/servlet/package-info.java
* /opt/cola/permits/2423134725_1744416246.4316745/0/servlet-api-4-0-0-sources-8-jar/org/xipki/http/servlet/SslReverseProxyMode.java

1.8476 postgresql15-client 15.11-r0

1.8476.1 Available under license :

```
# Contributor: Dhruvin Gandhi <contact@dhruvin.dev>
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_pkgname=license-expression
pkgver=30.2.0
pkgrel=0
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir/$_pkgname-$pkgver"

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

check() {
 python3 -m venv --clear --without-pip --system-site-packages .testenv
 .testenv/bin/python3 -m installer .dist/*.whl
 .testenv/bin/python3 -m pytest
```

```
}

package() {
 python3 -m installer -d "$pkgdir" \
  .dist/*.whl
}

sha512sums="
7be7ebab1d980063ab846a228c5247570d0e23ed52f4362ef7d88eb7a59274e6f74653b4e9cff8225597693087d750c5
bf7fcf604440d8d3d2976ebcd7442c24
  license-expression-30.2.0.tar.gz
"
```

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The X-Spline code was written Carole Blanc (blanc@labri.u-bordeaux.fr) and Christophe Schlick (schlick@labri.u-bordeaux.fr) starting from an initial implementation done by C. Feuille, S. Grosbois, L. Maziere and L. Minihot as a student practice (Universite Bordeaux, France). For additional information about X-splines, see:
"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95
http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html
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```
# Maintainer: Jakub Panek <me@panekj.dev>
pkgname=cargo-license
pkgver=0.5.1
pkgrel=4
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all !s390x !riscv64" # rust
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"


prepare() {
 default_prepare

 cargo fetch --target="$CTARGET" --locked
}

build() {
 cargo auditable build --release --frozen
}

check() {
 cargo test --frozen
}

package() {
 install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
```

4d8d430df91c6aac53d2305d3125eaeee492324e85c4db29d33d452b3848f33a55088e71247c6c72c6a62f4e924a374a
115bf14b4f398e7950b9eb52415f2244 cargo-license-0.5.1.tar.gz
"
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****

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# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgname=perl-bsd-resource
_pkgreal=BSD-Resource

```
pkgver=1.2911
pkgrel=8
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
 default_prepare

 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 make
}

check() {
 make test
}

package() {
 make DESTDIR="$pkgdir" install
 find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
dfa5417f663b8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz"
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.22
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
```

```
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
 subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
 mkdir -p "$pkgdir"
}

_subpkg() {
 local type=${subpkgname/$pkgname-/}
 pkgdesc="$pkgdesc ($type)"
 install_if="$pkgname"
 mkdir -p "$subpkgdir"/usr/share/spdx
 cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
 pkgdesc="$pkgdesc (licence list)"
 mkdir -p "$subpkgdir"/usr/share/spdx
 local i; for i in "$builddir"/text/*.txt; do
  local license=${i##*/}
  echo
 ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
 done
}

sha512sums="
b213fe66699770d75a4c994a01a5c08325751423516c2fb871088a47e7e7ce605736064f5ce3a63dc1d3c462271832db
7bc464ac968df1888f9823787964c786  license-list-data-3.22.tar.gz
"
```

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* /opt/cola/permits/2424328674_1744654235.6482713/0/micrometer-registry-prometheus-1-13-11-sources-jar/io/micrometer/prometheusmetrics/MicrometerCollector.java
* /opt/cola/permits/2424328674_1744654235.6482713/0/micrometer-registry-prometheus-1-13-11-sources-jar/io/micrometer/prometheusmetrics/PrometheusCounter.java
* /opt/cola/permits/2424328674_1744654235.6482713/0/micrometer-registry-prometheus-1-13-11-sources-jar/io/micrometer/prometheusmetrics/PrometheusDistributionSummary.java
* /opt/cola/permits/2424328674_1744654235.6482713/0/micrometer-registry-prometheus-1-13-11-sources-jar/io/micrometer/prometheusmetrics/PrometheusDurationNamingConvention.java

* /opt/cola/permits/2424328674_1744654235.6482713/0/micrometer-registry-prometheus-1-13-11-sources-jar/io/micrometer/prometheusmetrics/PrometheusMeterRegistry.java
* /opt/cola/permits/2424328674_1744654235.6482713/0/micrometer-registry-prometheus-1-13-11-sources-jar/io/micrometer/prometheusmetrics/PrometheusNamingConvention.java
* /opt/cola/permits/2424328674_1744654235.6482713/0/micrometer-registry-prometheus-1-13-11-sources-jar/io/micrometer/prometheusmetrics/PrometheusRenameFilter.java
* /opt/cola/permits/2424328674_1744654235.6482713/0/micrometer-registry-prometheus-1-13-11-sources-jar/io/micrometer/prometheusmetrics/PrometheusConfig.java
* /opt/cola/permits/2424328674_1744654235.6482713/0/micrometer-registry-prometheus-1-13-11-sources-jar/io/micrometer/prometheusmetrics/package-info.java
*
 /opt/cola/permits/2424328674_1744654235.6482713/0/micrometer-registry-prometheus-1-13-11-sources-jar/io/micrometer/prometheusmetrics/PrometheusTimer.java
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* /opt/cola/permits/2424328674_1744654235.6482713/0/micrometer-registry-prometheus-1-13-11-sources-jar/io/micrometer/prometheusmetrics/ExemplarSamplerFactory.java
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1.8479 jetcd-common 0.8.5

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* /opt/cola/permits/2424328591_1744654240.2347481/0/jetcd-common-0-8-5-sources-jar/io/etcd/jetcd/common/exception/ClosedKeepAliveListenerException.java

1.8480 micrometer-commons 1.13.11

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1.8482 sqlite 3.48.0-r1

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1.8483 golang-genproto v0.0.0-20240228224816-df926f6c8641

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1.8484 rsa 4.9.1

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1.8488 grpc-gateway 2.22.0

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The Unicode Standard, Unicode Character Database, Version 13.0.0

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include/GL/glxext.h
include/GL/wglxext.h :

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Ext headers GL/glext.h Khronos
GL/glxext.h Khronos
GL/wglext.h Khronos
KHR/khrplatform.h Khronos

****

---
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Mesa 3-D
graphics library

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# 1.8495 etcd-raft 3.5.16

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1.8496 grpc-gateway 2.16.0

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1.8498 go-criu 5.3.0

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1.8499 etcd-raft 3.5.6

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fields:
site: string

author: root

1.8501 aniso8601 10.0.1

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* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/SimpleEvent.java
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* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/SimpleObservation.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/aop/ObservedAspectObservationDocumentation.java
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/opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/package-info.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/ObservationView.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/annotation/package-info.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/transport/Propagator.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/transport/ResponseContext.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/docs/ObservationDocumentation.java
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/opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/ObservationRegistry.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/aop/package-info.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/transport/SenderContext.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/docs/package-info.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/NoopObservationConfig.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/transport/package-info.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/KeyValuesConvention.java
*
/opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/ObservationTextPublisher.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/transport/RequestReplyReceiverContext.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/SimpleObservationRegistry.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/GlobalObservationConvention.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/ObservationHandler.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/transport/ReceiverContext.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/NoopObservationRegistry.java
*
/opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/Observation.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/ObservationPredicate.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-

jar/io/micrometer/observation/annotation/Observed.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/transport/RequestReplySenderContext.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/contextpropagation/package-info.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/ObservationConvention.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/NoopObservationConvention.java
*
 /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/aop/ObservedAspect.java
* /opt/cola/permits/2430186090_1745257880.101234/0/micrometer-observation-1-14-6-sources-jar/io/micrometer/observation/NoopObservation.java
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* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/config/BeanExpressionResolver.java
*
 /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/aot/BeanDefinitionMethodGeneratorFactory.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/support/InstantiationStrategy.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/xml/ResourceEntityResolver.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/SimpleBeanInfoFactory.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/aot/BeanRegistrationExcludeFilter.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/AbstractPropertyAccessor.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/propertyeditors/CharsetEditor.java
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* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/UnsatisfiedDependencyException.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/support/ManagedSet.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/aot/BeanRegistrationsCode.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/config/PropertyResourceConfigurer.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/support/ManagedList.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/serviceloader/AbstractServiceLoaderBasedFactoryBean.java
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 /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/aot/BeanRegistrationCode.java

* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/PropertyAccessor.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/aot/BeanFactoryInitializationAotContribution.java
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* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/TypeMismatchException.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/aot/AutowiredArguments.java
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* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/xml/AbstractSingleBeanDefinitionParser.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/xml/DocumentDefaultsDefinition.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/BeanClassLoaderAware.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/config/EmbeddedValueResolver.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/propertyeditors/ClassArrayEditor.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/parsing/AliasDefinition.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/parsing/ImportDefinition.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/config/ObjectFactoryCreatingFactoryBean.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/config/ProviderCreatingFactoryBean.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/propertyeditors/CharacterEditor.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/BeanWrapper.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/propertyeditors/CharArrayPropertyEditor.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/BeanMetadataAttributeAccessor.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/propertyeditors/ClassEditor.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/propertyeditors/ResourceBundleEditor.java
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* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/FatalBeanException.java
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* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/parsing/Location.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/xml/XmlReaderContext.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/BeansException.java
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* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/config/PropertiesFactoryBean.java
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* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/config/MethodInvokingFactoryBean.java
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* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/support/ManagedArray.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/support/PagedListHolder.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/config/CustomEditorConfigurer.java
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* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/PropertyValues.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/PropertyMatches.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/parsing/FailFastProblemReporter.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/NoSuchBeanDefinitionException.java
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* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/Mergeable.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/PropertyAccessorFactory.java
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* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/BeanNotOfRequiredTypeException.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/BeanDefinitionStoreException.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/config/DestructionAwareBeanPostProcessor.java

* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/annotation/AnnotationBeanWiringInfoResolver.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/support/AutowireCandidateQualifier.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/InvalidPropertyException.java
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* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/support/SimpleBeanDefinitionRegistry.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/support/MergedBeanDefinitionPostProcessor.java
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* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/support/DefaultSingletonBeanRegistry.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/support/AbstractBeanFactory.java
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* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/AbstractNestablePropertyAccessor.java
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 /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/annotation/Value.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/support/BeanDefinitionReaderUtils.java
* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/support/ScopeNotActiveException.java
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jar/org/springframework/beans/PropertyValuesEditor.java
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*/
/**
  * Process the given {@link RegisteredBean} instance ahead-of-time and
  * return a contribution or {@code null}.
  * <p>
```

```
 * Processors are free to use any techniques they like to analyze the given
 * instance. Most typically use reflection to find fields or methods to use
 * in the contribution. Contributions
typically generate source code or
 * resource files that can be used when the AOT optimized application runs.
 * <p>
 * If the given instance isn't relevant to the processor, it should return a
 * {@code null} contribution.
 * @param registeredBean the registered bean to process
 * @return a {@link BeanRegistrationAotContribution} or {@code null}
 */
```

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* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/HierarchicalBeanFactory.java
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* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/annotation/JakartaAnnotationsRuntimeHints.java
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*/
/**
 * Process the given {@link ConfigurableListableBeanFactory} instance
 * ahead-of-time and return a contribution or {@code null}.
 * <p>Processors are free to use any techniques they like to analyze the given
 * bean factory. Most typically use reflection to find fields or methods to
 * use in the
contribution. Contributions typically generate source code or
 * resource files that can be used when the AOT optimized application runs.
 * <p>If the given bean factory does not contain anything that is relevant to
 * the processor, this method should return a {@code null} contribution.
 * @param beanFactory the bean factory to process
 * @return a {@link BeanFactoryInitializationAotContribution} or {@code null}
 */

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* /opt/cola/permits/2430186076_1745257975.6004527/0/spring-beans-6-2-6-sources-jar/org/springframework/beans/factory/BeanNameAware.java
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1.8506 spring-expression 6.2.6

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* /opt/cola/permits/2430186127_1745257886.2606814/0/spring-expression-6-2-6-sources-jar/org/springframework/expression/common/TemplateAwareExpressionParser.java
* /opt/cola/permits/2430186127_1745257886.2606814/0/spring-expression-6-2-6-sources-jar/org/springframework/expression/PropertyAccessor.java
* /opt/cola/permits/2430186127_1745257886.2606814/0/spring-expression-6-2-6-sources-jar/org/springframework/expression/spel/ast/OpDec.java
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* /opt/cola/permits/2430186127_1745257886.2606814/0/spring-expression-6-2-6-sources-jar/org/springframework/expression/ParseException.java
* /opt/cola/permits/2430186127_1745257886.2606814/0/spring-expression-6-2-6-sources-jar/org/springframework/expression/AccessException.java
* /opt/cola/permits/2430186127_1745257886.2606814/0/spring-expression-6-2-6-sources-jar/org/springframework/expression/spel/SpelParseException.java
* /opt/cola/permits/2430186127_1745257886.2606814/0/spring-expression-6-2-6-sources-jar/org/springframework/expression/common/ExpressionUtils.java
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1.8507 spring-context 6.2.6

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*/
/**
* Abstract the invocation of a cache operation.
*
* <p>Does not provide a way to transmit checked exceptions but
* provides a special exception that should be used to wrap any
* exception that was thrown by the underlying invocation.
* Callers are expected to handle this issue type specifically.
 *
* @author Stephane Nicoll
* @since 4.1
*/
```

Found in path(s):
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* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/format/support/FormatterPropertyEditorAdapter.java
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* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/cache/interceptor/KeyGenerator.java
* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/context/annotation/ScopeMetadataResolver.java
* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/format/datetime/standard/MonthDayFormatter.java
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* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/jndi/JndiPropertySource.java
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* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/scheduling/config/ScheduledTasksBeanDefinitionParser.java
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* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/context/event/EventListenerFactory.java
* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/validation/beanvalidation/SpringConstraintValidatorFactory.java
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* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/jmx/export/MBeanExporterListener.java
* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/jmx/access/InvocationFailureException.java
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* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/context/aot/AbstractAotProcessor.java
* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/scheduling/config/ExecutorBeanDefinitionParser.java
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 /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/cache/interceptor/AbstractCacheInvoker.java
* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/cache/interceptor/CacheAspectSupport.java
* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/scheduling/annotation/ScheduledAnnotationReactiveSupport.java
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* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/context/ApplicationEventPublisherAware.java
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* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/context/config/MBeanExportBeanDefinitionParser.java
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* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/cache/interceptor/CacheEvictOperation.java
* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/context/ApplicationEvent.java
* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/cache/CacheExtensions.kt
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* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/jndi/JndiObjectLocator.java
* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/cache/interceptor/CacheOperationInvocationContext.java
* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/format/datetime/standard/YearFormatter.java
* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/context/support/MessageSourceAccessor.java
* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/cache/interceptor/CacheExpressionRootObject.java
* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/validation/beanvalidation/BeanValidationPostProcessor.java
* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/context/EmbeddedValueResolverAware.java
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* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/jmx/export/assembler/AbstractReflectiveMBeanInfoAssembler.java
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* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/validation/beanvalidation/MessageSourceResourceBundleLocator.java
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* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/jmx/export/assembler/InterfaceBasedMBeanInfoAssembler.java

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* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/context/support/MessageSourceResourceBundle.java
* /opt/cola/permits/2430186115_1745257902.1714935/0/spring-context-6-2-6-sources-jar/org/springframework/context/i18n/TimeZoneAwareLocaleContext.java
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```

```
*/
/**
* Indicates that a component is only eligible for registration when all
* {@linkplain #value specified conditions} match.
*
* <p>A <em>condition</em> is any state that can be determined programmatically
* before the bean definition is due to be registered (see {@link Condition} for details).
*
*
 <p>The {@code @Conditional} annotation may be used in any of the following ways:
* <ul>
* <li>as a type-level annotation on any class directly or indirectly annotated with
* {@code @Component}, including {@link Configuration @Configuration} classes</li>
* <li>as a meta-annotation, for the purpose of composing custom stereotype
* annotations</li>
* <li>as a method-level annotation on any {@link Bean @Bean} method</li>
* </ul>
*
* <p>If a {@code @Configuration} class is marked with {@code @Conditional},
* all of the {@code @Bean} methods, {@link Import @Import} annotations, and
* {@link ComponentScan @ComponentScan} annotations associated with that
* class will be subject to the conditions.
*
* <p><strong>NOTE</strong>: Inheritance of {@code @Conditional} annotations
* is not supported; any conditions from superclasses or from overridden
* methods will not be considered. In order to enforce these semantics,
* {@code @Conditional} itself is not declared as
* {@link java.lang.annotation.Inherited
 @Inherited}; furthermore, any
* custom <em>composed annotation</em> that is meta-annotated with
* {@code @Conditional} must not be declared as {@code @Inherited}.
*
* @author Phillip Webb
* @author Sam Brannen
* @since 4.0
* @see Condition
*/
```

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1.8508 spring-framework 6.2.6

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* /opt/cola/permits/2430186107_1745258028.4976602/0/spring-core-6-2-6-sources-jar/org/springframework/core/codec/AbstractDecoder.java
* /opt/cola/permits/2430186107_1745258028.4976602/0/spring-core-6-2-6-sources-jar/org/springframework/core/convert/support/ConversionUtils.java

* /opt/cola/permits/2430186107_1745258028.4976602/0/spring-core-6-2-6-sources-jar/org/springframework/util/SimpleRouteMatcher.java
* /opt/cola/permits/2430186107_1745258028.4976602/0/spring-core-6-2-6-sources-jar/org/springframework/core/codec/ByteArrayEncoder.java
* /opt/cola/permits/2430186107_1745258028.4976602/0/spring-core-6-2-6-sources-jar/org/springframework/core/codec/DataBufferEncoder.java
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* /opt/cola/permits/2430186107_1745258028.4976602/0/spring-core-6-2-6-sources-jar/org/springframework/core/annotation/PackagesAnnotationFilter.java
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* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/support/JdkRegexpMethodPointcut.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/adapter/MethodBeforeAdviceAdapter.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/target/ThreadLocalTargetSourceStats.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/AopConfigException.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/target/PoolingConfig.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/Pointcut.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/adapter/AdvisorAdapter.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/support/DynamicMethodMatcherPointcut.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/AopProxyFactory.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/scope/ScopedObject.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/scope/DefaultScopedObject.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/adapter/UnknownAdviceTypeException.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/config/SpringConfiguredBeanDefinitionParser.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/support/StaticMethodMatcherPointcut.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/PointcutAdvisor.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/IntroductionAdvisor.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/AopInvocationException.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/AfterReturningAdvice.java

* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/IntroductionInfo.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/target/SimpleBeanTargetSource.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/config/PointcutComponentDefinition.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/target/dynamic/Refreshable.java
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* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/adapter/GlobalAdvisorAdapterRegistry.java
*
 /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/TrueClassFilter.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/config/AopConfigUtils.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/interceptor/SimpleAsyncUncaughtExceptionHandler.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/support/StaticMethodMatcher.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/aopalliance/aop/AspectException.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/autoproxy/target/QuickTargetSourceCreator.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/MethodBeforeAdvice.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/support/DynamicMethodMatcher.java

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/opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/config/AdvisorComponentDefinition.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/adapter/AdvisorAdapterRegistry.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/aspectj/AspectJPrecedenceInformation.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/AdvisorChainFactory.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/aspectj/annotation/NotAnAtAspectException.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/autoproxy/DefaultAdvisorAutoProxyCreator.java
*
/opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/support/IntroductionInfoSupport.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/aspectj/SimpleAspectInstanceFactory.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/TruePointcut.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/autoproxy/AutoProxyUtils.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/aopalliance/intercept/ConstructorInvocation.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/aopalliance/intercept/MethodInterceptor.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/TrueMethodMatcher.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/ProxyProcessorSupport.java
*
/opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/config/AopNamespaceUtils.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/autoproxy/ProxyCreationContext.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/support/RegexpMethodPointcutAdvisor.java
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* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/aspectj/AspectJPointcutAdvisor.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/TargetSource.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/support/annotation/AnnotationClassFilter.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/AopProxyUtils.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/support/AbstractRegexpMethodPointcut.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/InterceptorAndDynamicMethodMatcher.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/support/DefaultIntroductionAdvisor.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/target/SingletonTargetSource.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/ProxyFactoryBean.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/Advisor.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/AbstractAdvisingBeanPostProcessor.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/DefaultAdvisorChainFactory.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/aspectj/annotation/MetadataAwareAspectInstanceFactory.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/aopalliance/intercept/ConstructorInterceptor.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/ReflectiveMethodInvocation.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/support/AbstractPointcutAdvisor.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/support/RootClassFilter.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-

jar/org/springframework/aop/ClassFilter.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/target/CommonsPool2TargetSource.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/support/ComposablePointcut.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/aspectj/annotation/AspectJBeanFactoryInitializationAotProcessor.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/aspectj/TypePatternClassFilter.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/aspectj/DeclareParentsAdvisor.java
*
/opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/support/NameMatchMethodPointcut.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/framework/ProxyCreatorSupport.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/framework/adapter/ThrowsAdviceInterceptor.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/config/ScopedProxyBeanDefinitionDecorator.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/support/annotation/AnnotationMethodMatcher.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/aspectj/MethodInvocationProceedingJoinPoint.java
*
/opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/framework/autoproxy/BeanFactoryAdvisorRetrievalHelper.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/support/annotation/AnnotationMatchingPointcut.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/target/EmptyTargetSource.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/support/StaticMethodMatcherPointcutAdvisor.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/target/dynamic/AbstractRefreshableTargetSource.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/target/AbstractLazyCreationTargetSource.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/target/AbstractBeanFactoryBasedTargetSource.java
*
/opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/target/HotSwappableTargetSource.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/interceptor/CustomizableTraceInterceptor.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/target/ThreadLocalTargetSource.java
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jar/org/springframework/aop/MethodMatcher.java

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* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-

jar/org/springframework/aop/aspectj/AbstractAspectJAdvice.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/autoproxy/BeanNameAutoProxyCreator.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/support/ClassFilters.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/aspectj/annotation/ReflectiveAspectJAdvisorFactory.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/config/AspectEntry.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/support/MethodMatchers.java
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* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/ProxyConfig.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/aopalliance/intercept/Joinpoint.java
*
 /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/interceptor/ExposeBeanNameAdvisors.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/adapter/ThrowsAdviceAdapter.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/interceptor/PerformanceMonitorInterceptor.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/aspectj/AspectJAroundAdvice.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/DynamicIntroductionAdvice.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-

jar/org/springframework/aop/config/AspectJAutoProxyBeanDefinitionParser.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/scope/ScopedProxyFactoryBean.java
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* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/aopalliance/intercept/Interceptor.java
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* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-

jar/org/springframework/aop/aspectj/AspectJAfterAdvice.java
*
 /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/interceptor/ConcurrencyThrottleInterceptor.java
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jar/org/springframework/aop/interceptor/DebugInterceptor.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/config/PointcutEntry.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/interceptor/ExposeInvocationInterceptor.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/interceptor/AbstractTraceInterceptor.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/config/AdviceEntry.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/config/AdvisorEntry.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-
jar/org/springframework/aop/framework/AopContext.java
*
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jar/org/springframework/aop/framework/adapter/MethodBeforeAdviceInterceptor.java
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jar/org/springframework/aop/aspectj/AspectJAfterThrowingAdvice.java
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* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/support/AbstractGenericPointcutAdvisor.java
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* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/aspectj/annotation/LazySingletonAspectInstanceFactoryDecorator.java
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* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/SpringProxy.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/RawTargetAccess.java
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* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/autoproxy/target/AbstractBeanFactoryBasedTargetSourceCreator.java
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* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/aspectj/annotation/BeanFactoryAspectJAdvisorsBuilder.java
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* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/config/AbstractInterceptorDrivenBeanDefinitionDecorator.java
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* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/aspectj/annotation/AbstractAspectJAdvisorFactory.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/AdvisedSupport.java
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* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/aspectj/annotation/SimpleMetadataAwareAspectInstanceFactory.java
* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/aopalliance/aop/Advice.java

* /opt/cola/permits/2430186121_1745258017.9022183/0/spring-aop-6-2-6-sources-jar/org/springframework/aop/framework/autoproxy/TargetSourceCreator.java

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Support for streaming Protocol Buffer messages for the Go language (golang).
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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY

```
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
*   Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather
 lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
*   IDT always receives data into a small buffer, then large buffers
*     as needed. This means that data must always be copied to create
*     the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
*     Fix is simple: make large buffers large enough to hold entire
*     SDU, and leave <small_buffer_data> bytes empty at the start. Then
*     copy small buffer contents to head of large buffer.
*   Trick is to avoid fragmenting Linux, due to need for a lot of large
*     buffers. This is done by 2 things:
*       1) skb->destructor / skb->atm.recycle_buffer
*            combined, allow nicstar_free_rx_skb to be called to
*            recycle large data buffers
*       2) skb_clone of received buffers
*   See nicstar_free_rx_skb and linearize_buffer for implementation
*     details.
*
*
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* M. Welsh, 6 July 1996
*
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1.8512 netns 0.0.4

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1.8513 protobuf-go 1.33.0

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1.8514 kingpin 2.4.0

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1.8515 godbus 5.1.0

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1.8517 google-golang-org-grpc 1.72.0

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- web-common_3_0.xsd
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1.8527 spring-web-mvc 6.2.6

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* A contract for inspecting and potentially modifying request data values such
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*
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* to provide data integrity, confidentiality,
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* request forgery (CSRF), and others or for other tasks such as automatically
* adding a hidden field to all forms and URLs.
*
* <p>View technologies that support this contract can obtain an instance to
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*
* @author Rossen Stoyanchev
* @since 3.1
*/
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* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/handler/HandlerExceptionResolverComposite.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/function/ServerResponseExtensions.kt
*
 /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/mvc/ServletWrappingController.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/resource/CachingResourceTransformer.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/function/RenderingResponse.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/function/RouterFunction.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/function/HandlerFunction.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/mvc/method/annotation/StreamingResponseBodyReturnValueHandler.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/mvc/method/annotation/SessionAttributeMethodArgumentResolver.java
*
 /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/function/ServerRequestExtensions.kt
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ViewNameMethodReturnValueHandler.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/config/annotation/DefaultServletHandlerConfigurer.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/function/EntityResponse.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-

jar/org/springframework/web/servlet/mvc/method/RequestMappingInfoHandlerMethodMappingNamingStrategy.jav
a
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-
jar/org/springframework/web/servlet/view/script/ScriptTemplateConfig.java
*
 /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-
jar/org/springframework/web/servlet/view/script/ScriptTemplateConfigurer.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-
jar/org/springframework/web/servlet/mvc/condition/AbstractRequestCondition.java
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*/
/**
* XSLT-driven View that allows for response context to be rendered as the
* result of an XSLT transformation.
*
* <p>The XSLT Source object is supplied as a parameter in the model and then
* {@link #locateSource detected} during response rendering. Users can either specify
* a specific entry in the
 model via the {@link #setSourceKey sourceKey} property or
* have Spring locate the Source object. This class also provides basic conversion
* of objects into Source implementations. See {@link #getSourceTypes() here}
* for more details.
*
* <p>All model parameters are passed to the XSLT Transformer as parameters.
* In addition the user can configure {@link #setOutputProperties output properties}
* to be passed to the Transformer.
*
* @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
*/
```

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* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/view/xslt/XsltView.java
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* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ModelAndViewResolverMethodReturnValueHandler.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/HandlerMapping.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ContinuationHandlerMethodArgumentResolver.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/handler/ConversionServiceExposingInterceptor.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/mvc/UrlFilenameViewController.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/handler/UserRoleAuthorizationInterceptor.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/view/XmlViewResolver.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/view/BeanNameViewResolver.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/view/script/ScriptTemplateViewResolver.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/resource/ResourceUrlProviderExposingInterceptor.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/config/annotation/CorsRegistry.java

* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/view/InternalResourceViewResolver.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/config/annotation/InterceptorRegistration.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/mvc/method/annotation/PrincipalMethodArgumentResolver.java
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 /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/support/ServletUriComponentsBuilder.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/view/ResourceBundleViewResolver.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/ViewResolver.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/view/AbstractTemplateViewResolver.java
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* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/mvc/method/annotation/StreamingResponseBody.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/i18n/SessionLocaleResolver.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/handler/RequestMatchResult.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-

jar/org/springframework/web/servlet/i18n/AbstractLocaleResolver.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/config/annotation/RedirectViewControllerRegistration.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/ThemeResolver.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/LocaleResolver.java
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* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/theme/FixedThemeResolver.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/theme/AbstractThemeResolver.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/tags/ParamAware.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/tags/ThemeTag.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/view/groovy/GroovyMarkupConfigurer.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/mvc/condition/CompositeRequestCondition.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/tags/form/AbstractHtmlElementBodyTag.java
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* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/view/xml/MappingJackson2XmlView.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/i18n/CookieLocaleResolver.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/view/groovy/GroovyMarkupView.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/theme/SessionThemeResolver.java
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* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/i18n/AbstractLocaleContextResolver.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/theme/ThemeChangeInterceptor.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/mvc/method/annotation/PathVariableMapMethodArgumentResolver.java

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 /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/handler/BeanNameUrlHandlerMapping.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/view/ViewResolverComposite.java
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* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/view/DefaultRequestToViewNameTranslator.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/mvc/Controller.java
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*
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* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/handler/AbstractDetectingUrlHandlerMapping.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/function/ChangePathPatternParserVisitor.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/HandlerExecutionChain.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/mvc/method/annotation/MatrixVariableMethodArgumentResolver.java
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* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/function/RouterFunctions.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ResponseEntityExceptionHandler.java
* /opt/cola/permits/2435287059_1745565841.3890414/0/spring-webmvc-6-2-6-sources-jar/org/springframework/web/servlet/tags/form/AbstractMultiCheckedElementTag.java

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jar/org/springframework/web/servlet/View.java
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1.8528 spring-aspects 6.2.6

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1.8529 spring-boot-starter 3.4.5

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1.8530 spring-web 6.2.6

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*/
/**
  * Return the web session for the current request. Always guaranteed  to
  * return an instance either matching to the session id requested by the
  * client, or with a new session id either because the client did not
  * specify one or because the underlying session had expired. Use of this
  * method
```

does not automatically create a session. See {@link WebSession}
 * for more details.
 */

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* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/method/HandlerMethod.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/http/MediaType.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/http/ContentDisposition.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/method/annotation/HandlerMethodValidationException.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/http/server/reactive/JettyCoreServerHttpResponse.java

* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/method/support/InvocableHandlerMethod.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/http/ProblemDetail.java
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 /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/client/ResponseErrorHandler.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/service/invoker/HttpRequestValues.java
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* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/bind/annotation/CookieValue.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/server/adapter/DefaultServerWebExchange.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/util/RfcUriParser.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/http/server/observation/ServerHttpObservationDocumentation.java
*
 /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/client/DefaultRestClient.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/client/RestClientException.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/accept/ContentNegotiationManagerFactoryBean.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/http/server/ServletServerHttpRequest.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/http/server/reactive/JettyCoreServerHttpRequest.java
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* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/server/handler/FilteringWebHandler.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/HttpSessionRequiredException.java
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* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/http/HttpLogging.java
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* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/server/DefaultServerWebExchangeBuilder.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/bind/annotation/MatrixVariable.java
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* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/http/codec/HttpMessageDecoder.java
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jar/org/springframework/http/HttpInputMessage.java
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* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/method/annotation/InitBinderDataBinderFactory.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/client/ResponseExtractor.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/accept/ParameterContentNegotiationStrategy.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/http/server/reactive/ReactorHttpHandlerAdapter.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/context/request/AbstractRequestAttributes.java
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* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/http/server/reactive/SslInfo.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/http/InvalidMediaTypeException.java
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* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/bind/annotation/ValueConstants.java
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 /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/bind/support/SimpleSessionStatus.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/context/ConfigurableWebEnvironment.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-jar/org/springframework/web/client/ResourceAccessException.java
* /opt/cola/permits/2435287094_1745565850.7127123/0/spring-web-6-2-6-sources-

jar/org/springframework/http/MediaTypeEditor.java
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#
The table below contains both registered and (common) unregistered types.
A type that has no unique extension can be ignored -- they are listed
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Internet media types should be registered as described in RFC 4288.
The registry is at <https://www.iana.org/assignments/media-types/>.
#
This file was retrieved from
https://svn.apache.org/viewvc/httpd/httpd/trunk/docs/conf/mime.types?revision=1918129&view=co
#
MIME type (lowercased)   Extensions
== ==========

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1.8531 github.com/prometheus-community/postgres_exporter 0.17.0

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1.8532 postgresql17-contrib 17.4-r0

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Found in path(s):
* /opt/cola/permits/2435761095_1747290100.519112/0/aports-3-21-stable-main-postgresql17-tar-gz/aports-3.21-stable-main-postgresql17/main/postgresql17/czech-snowball-stemmer.patch

1.8533 python-certifi 2025.4.26

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UNRECOGNIZED LICENSE; MD5 sum: 63391bb841f4994aa0be8cdce8845dcb
This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

1.8534 python-certifi 2025.04.26

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ca-bundle.crt -- Bundle of CA Root Certificates

This is a bundle of X.509 certificates of public Certificate Authorities

(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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1.8535 python-setuptools 80.0.0

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The code contained in this directory was automatically generated using the
following command:

python -m validate_pyproject.pre_compile --output-dir=setuptools/config/_validate_pyproject --enable-plugins setuptools distutils --very-verbose -t setuptools=setuptools/config/setuptools.schema.json -t distutils=setuptools/config/distutils.schema.json

Please avoid changing it manually.

You can report issues or suggest changes directly to `validate-pyproject`
(or to the relevant plugin repository)

- https://github.com/abravalheri/validate-pyproject/issues

***

The following files include code from opensource projects
(either as direct copies or modified versions):

- `fastjsonschema_exceptions.py`:
  - project: `fastjsonschema` - licensed under BSD-3-Clause
    (https://github.com/horejsek/python-fastjsonschema)
- `extra_validations.py` and `format.py`, `error_reporting.py`:
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    (https://github.com/abravalheri/validate-pyproject)

Additionally
 the following files are automatically generated by tools provided
by the same projects:

- `__init__.py`
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***

`fastjsonschema`
==========

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`validate-pyproject`
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.8536 python-certifi 2025.4.26

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
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1.8537 pysmi 1.6.1

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1.8538 spring-jdbc 6.2.6

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* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/RowMapperResultSetExtractor.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/CallableStatementCreatorFactory.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabaseType.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/namedparam/AbstractSqlParameterSource.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/init/DatabasePopulator.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/SimpleDriverDataSource.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/support/incrementer/SqlServerSequenceMaxValueIncrementer.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/CannotGetJdbcConnectionException.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/support/JdbcDaoSupport.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/support/incrementer/H2SequenceMaxValueIncrementer.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/support/incrementer/MariaDBSequenceMaxValueIncrementer.java

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* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/SqlProvider.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/embedded/DataSourceFactory.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/support/GeneratedKeyHolder.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/namedparam/ParsedSql.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/SqlParameterValue.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/support/JdbcBeanDefinitionReader.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/support/DatabaseMetaDataCallback.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/SqlParameter.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/support/DatabaseStartupValidator.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/embedded/AbstractEmbeddedDatabaseConfigurer.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/SqlReturnType.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/support/KeyHolder.java

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* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/TransactionAwareDataSourceProxy.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/object/SqlFunction.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/DataSourceUtils.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/JdbcTransactionObjectSupport.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/simple/AbstractJdbcCall.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/LazyConnectionDataSourceProxy.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/SingleColumnRowMapper.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/StatementCreatorUtils.java
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* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabase.java
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* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/SqlReturnResultSet.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/ConnectionHandle.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/support/rowset/ResultSetWrappingSqlRowSetMetaData.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/metadata/HanaCallMetaDataProvider.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/SqlInOutParameter.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/config/SortedResourcesFactoryBean.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/support/incrementer/HanaSequenceMaxValueIncrementer.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/RowCountCallbackHandler.java

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 /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/lookup/MapDataSourceLookup.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/support/incrementer/OracleSequenceMaxValueIncrementer.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/embedded/HsqlEmbeddedDatabaseConfigurer.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/metadata/PostgresTableMetaDataProvider.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/embedded/H2EmbeddedDatabaseConfigurer.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/support/SQLErrorCodes.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/UncategorizedSQLException.java
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* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/CallableStatementCreator.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/metadata/HsqlTableMetaDataProvider.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/ResultSetSupportingSqlParameter.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/object/BatchSqlUpdate.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/UserCredentialsDataSourceAdapter.java
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*
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* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/support/AbstractSqlTypeValue.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/object/GenericSqlQuery.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/support/incrementer/HsqlSequenceMaxValueIncrementer.java
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* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/metadata/OracleTableMetaDataProvider.java
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* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/BadSqlGrammarException.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/support/AbstractInterruptibleBatchPreparedStatementSetter.java
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* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/object/SqlOperation.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabaseConfigurer.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/ConnectionCallback.java
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/opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/SqlTypeValue.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/object/UpdatableSqlQuery.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/support/incrementer/PostgresSequenceMaxValueIncrementer.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/StatementCallback.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/SimpleConnectionHandle.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/embedded/DerbyEmbeddedDatabaseConfigurer.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/embedded/OutputStreamFactory.java
*
/opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/InvalidResultSetAccessException.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/object/SqlCall.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/PreparedStatementCreator.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-

jar/org/springframework/jdbc/support/incrementer/Db2MainframeMaxValueIncrementer.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/support/CustomSQLExceptionTranslatorRegistrar.java
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* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/lookup/DataSourceLookupFailureException.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/support/incrementer/AbstractSequenceMaxValueIncrementer.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/lookup/JndiDataSourceLookup.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/SmartDataSource.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/embedded/SimpleDriverDataSourceFactory.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/lookup/SingleDataSourceLookup.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/support/MetaDataAccessException.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/config/JdbcNamespaceHandler.java
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```
/**
* The classes in this package make JDBC easier to use and
```

* reduce the likelihood of common errors. In particular, they:
*
* Simplify error handling, avoiding the need for try/catch/finally
* blocks in application code.
* Present exceptions to application code in a generic hierarchy of
* unchecked exceptions, enabling applications to catch data access
* exceptions without being dependent on JDBC, and to ignore fatal
* exceptions there is no value in catching.
* Allow the implementation of error handling to be modified
* to target different RDBMSes without introducing proprietary
* dependencies into application code.
*
*
* <p>This package and related packages are discussed in Chapter 9 of
* Expert One-On-One J2EE Design and Development
* by Rod Johnson (Wrox, 2002).
*/

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* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/support/xml/XmlCharacterStreamProvider.java
*
 /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabaseFactory.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/JdbcOperationsExtensions.kt

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* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/support/AbstractLobCreatingPreparedStatementCallback.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabaseConfigurerDelegate.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/DataSourceTransactionManager.java
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* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabaseFactoryRuntimeHints.java
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* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/support/AbstractLobStreamingResultSetExtractor.java
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* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/support/incrementer/AbstractIdentityColumnMaxValueIncrementer.java
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* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-
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jar/org/springframework/jdbc/datasource/init/CompositeDatabasePopulator.java
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*/
/**
  * Close this LobCreator session and free its temporarily created BLOBs and CLOBs.
  * Will not need to do anything if using PreparedStatement's standard methods,
  * but might be necessary to free database resources if using proprietary means.
  * <p><b>NOTE</b>: Needs to be invoked after the involved
 PreparedStatements have
  * been executed or the affected O/R mapping sessions have been flushed.
  * Otherwise, the database resources for the temporary BLOBs might stay allocated.
  */
```

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*/
/**
* Implement this interface when parameters need to be customized based
* on the connection. We might need to do this to make use of proprietary
* features, available only with a specific Connection type.
*
* @author Rod Johnson
* @author Thomas Risberg
* @see CallableStatementCreatorFactory#newCallableStatementCreator(ParameterMapper)
 * @see org.springframework.jdbc.object.StoredProcedure#execute(ParameterMapper)
*/
/**
  * Create a Map of input parameters, keyed by name.
  * @param con a JDBC connection. This is useful (and the purpose of this interface)
  * if we need to do something RDBMS-specific with a proprietary Connection
```

```
  * implementation class. This class conceals such proprietary details. However,
  * it is best to avoid using such proprietary RDBMS features if possible.
  * @return a Map of input parameters, keyed by name (never {@code null})
  * @throws SQLException if an SQLException is encountered setting
  * parameter values (that is, there's no need to catch SQLException)
  */
```

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* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/ParameterMapper.java
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* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/namedparam/MapSqlParameterSource.java
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/opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/core/metadata/OracleCallMetaDataProvider.java
* /opt/cola/permits/2438964056_1745908427.596228/0/spring-jdbc-6-2-6-sources-jar/org/springframework/jdbc/support/CustomSQLErrorCodesTranslation.java
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*/
/**
* Strategy interface for translating between {@link SQLException SQLExceptions}
* and Spring's data access strategy-agnostic {@link DataAccessException}
* hierarchy.
*
* <p>Implementations can be generic (for example, using
* {@link java.sql.SQLException#getSQLState() SQLState} codes for JDBC) or
 wholly
* proprietary (for example, using Oracle error codes) for greater precision.
*
* @author Rod Johnson
* @author Juergen Hoeller
* @see org.springframework.dao.DataAccessException
*/

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1.8539 spring-tx 6.2.6

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* /opt/cola/permits/2438964062_1745908313.3750625/0/spring-tx-6-2-6-sources-jar/org/springframework/transaction/support/SimpleTransactionScope.java
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* /opt/cola/permits/2438964062_1745908313.3750625/0/spring-tx-6-2-6-sources-jar/org/springframework/dao/CannotAcquireLockException.java
* /opt/cola/permits/2438964062_1745908313.3750625/0/spring-tx-6-2-6-sources-jar/org/springframework/dao/ConcurrencyFailureException.java
* /opt/cola/permits/2438964062_1745908313.3750625/0/spring-tx-6-2-6-sources-jar/org/springframework/dao/CannotSerializeTransactionException.java
* /opt/cola/permits/2438964062_1745908313.3750625/0/spring-tx-6-2-6-sources-jar/org/springframework/dao/DeadlockLoserDataAccessException.java
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* /opt/cola/permits/2438964062_1745908313.3750625/0/spring-tx-6-2-6-sources-jar/org/springframework/dao/CleanupFailureDataAccessException.java
* /opt/cola/permits/2438964062_1745908313.3750625/0/spring-tx-6-2-6-sources-jar/org/springframework/transaction/interceptor/NoRollbackRuleAttribute.java
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* /opt/cola/permits/2438964062_1745908313.3750625/0/spring-tx-6-2-6-sources-jar/org/springframework/transaction/reactive/AbstractReactiveTransactionManager.java
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1.8541 github.com/danielqsj/kafka_exporter 1.8.0

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1.8542 jetty-util 12.0.19

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* Ensures serial invocation of submitted tasks.
* <p>
* The {@link InvocationType} of the {@link Runnable} returned from this class is
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* </p>
*/
```

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* /opt/cola/permits/2439947999_1745947905.468854/0/jetty-util-12-0-19-sources-jar/org/eclipse/jetty/util/AttributesMap.java
* /opt/cola/permits/2439947999_1745947905.468854/0/jetty-util-12-0-19-sources-jar/org/eclipse/jetty/util/component/LifeCycle.java
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* /opt/cola/permits/2439947999_1745947905.468854/0/jetty-util-12-0-19-sources-
jar/org/eclipse/jetty/util/thread/TryExecutor.java
* /opt/cola/permits/2439947999_1745947905.468854/0/jetty-util-12-0-19-sources-
jar/org/eclipse/jetty/util/security/Credential.java
* /opt/cola/permits/2439947999_1745947905.468854/0/jetty-util-12-0-19-sources-
jar/org/eclipse/jetty/util/thread/Invocable.java
* /opt/cola/permits/2439947999_1745947905.468854/0/jetty-util-12-0-19-sources-
jar/org/eclipse/jetty/util/RFC9110QuotedStringTokenizer.java
* /opt/cola/permits/2439947999_1745947905.468854/0/jetty-util-12-0-19-sources-
jar/org/eclipse/jetty/util/ConstantThrowable.java
*
/opt/cola/permits/2439947999_1745947905.468854/0/jetty-util-12-0-19-sources-
jar/org/eclipse/jetty/util/component/ContainerLifeCycle.java
* /opt/cola/permits/2439947999_1745947905.468854/0/jetty-util-12-0-19-sources-
jar/org/eclipse/jetty/util/statistic/CounterStatistic.java
* /opt/cola/permits/2439947999_1745947905.468854/0/jetty-util-12-0-19-sources-
jar/org/eclipse/jetty/util/component/Container.java
* /opt/cola/permits/2439947999_1745947905.468854/0/jetty-util-12-0-19-sources-
jar/org/eclipse/jetty/util/security/package-info.java
* /opt/cola/permits/2439947999_1745947905.468854/0/jetty-util-12-0-19-sources-
jar/org/eclipse/jetty/util/StaticException.java
* /opt/cola/permits/2439947999_1745947905.468854/0/jetty-util-12-0-19-sources-
jar/org/eclipse/jetty/util/preventers/DriverManagerLeakPreventer.java
* /opt/cola/permits/2439947999_1745947905.468854/0/jetty-util-12-0-19-sources-

jar/org/eclipse/jetty/util/ssl/AliasedX509ExtendedKeyManager.java
*
/opt/cola/permits/2439947999_1745947905.468854/0/jetty-util-12-0-19-sources-jar/org/eclipse/jetty/util/thread/ThreadIdPool.java
* /opt/cola/permits/2439947999_1745947905.468854/0/jetty-util-12-0-19-sources-jar/org/eclipse/jetty/util/resource/CombinedResource.java

1.8543 jetty 12.0.19

1.8543.1 Available under license :

No license file was found, but licenses were detected in source scan.

// This program and the accompanying materials are made available under the
// terms of the Eclipse Public License v. 2.0 which is available at
// https://www.eclipse.org/legal/epl-2.0, or the Apache License, Version 2.0

Found in path(s):
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/SetCookieParser.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/MultiPartFormData.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/HttpHeaderValue.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/DateParser.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/EtagUtils.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/compression/EncodingException.java
*
/opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/compression/NBitStringDecoder.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/HttpTokens.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/pathmap/MappedResource.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/PreEncodedHttpField.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/HttpField.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/content/PreCompressedHttpContent.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/content/PreCompressedHttpContentFactory.java
*
/opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/pathmap/MatchedResource.java

* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/HttpTester.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/GZIPContentDecoder.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/BadMessageException.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/QuotedCSV.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/QuotedCSVParser.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/CookieCache.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/DateGenerator.java
*
/opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/compression/HuffmanEncoder.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/MetaData.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/HttpMethod.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/HttpCookie.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/QuotedQualityCSV.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/content/FileMappingHttpContentFactory.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/Syntax.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/Trailers.java
*
/opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/CookieCompliance.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/MultiPartCompliance.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/HttpFieldPreEncoder.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/CompressedContentFormat.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/RFC6265SetCookieParser.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/pathmap/PathSpec.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/HttpCompliance.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/HttpDateTime.java

*
/opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/MultiPart.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/package-info.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/HttpFields.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/HttpURI.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/EmptyHttpFields.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/ByteRange.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/ImmutableHttpFields.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/HttpException.java
*
/opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/pathmap/MatchedPath.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/content/VirtualHttpContentFactory.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/Http11FieldPreEncoder.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/content/ResourceHttpContent.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/HttpGenerator.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/content/CachingHttpContentFactory.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/HttpHeader.java
*
/opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/compression/HuffmanDecoder.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/HttpCookieStore.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/MultiPartByteRanges.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/Http1FieldPreEncoder.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/compression/NBitIntegerEncoder.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/content/ResourceHttpContentFactory.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/MultiPartConfig.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-

jar/org/eclipse/jetty/http/compression/NBitStringEncoder.java
*
/opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/pathmap/PathSpecSet.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/pathmap/AbstractPathSpec.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/pathmap/UriTemplatePathSpec.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/pathmap/PathSpecGroup.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/pathmap/RegexPathSpec.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/MutableHttpFields.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/HttpScheme.java
*
/opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/module-info.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/CookieCutter.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/CookieParser.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/HttpFieldsMap.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/HttpParser.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/ComplianceViolationException.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/content/HttpContent.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/compression/Huffman.java
*
/opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/Http10FieldPreEncoder.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/HttpVersion.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/MimeTypes.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/RFC6265CookieParser.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/pathmap/ServletPathSpec.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/ComplianceViolation.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-
jar/org/eclipse/jetty/http/pathmap/PathMappings.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-

jar/org/eclipse/jetty/http/content/ValidatingCachingHttpContentFactory.java
*
 /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/UriCompliance.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/compression/NBitIntegerDecoder.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/HttpStatus.java
* /opt/cola/permits/2439947991_1745947959.6150732/0/jetty-http-12-0-19-sources-jar/org/eclipse/jetty/http/HostPortHttpField.java

1.8544 hibernate 6.6.13.Final

1.8544.1 Available under license :

No license file was found, but licenses were detected in source scan.

```
/*
* Hibernate, Relational Persistence for Idiomatic Java
*
* License: GNU Lesser General Public License (LGPL), version 2.1 or later.
* See the lgpl.txt file in the root directory or http://www.gnu.org/licenses/lgpl-2.1.html.
*/
//     "5.3 in upgrading.  It will be removed in a later version."
```

Found in path(s):
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/internal/log/DeprecationLogger.java
No license file was found, but licenses were detected in source scan.

```
<!--
 ~ Hibernate, Relational Persistence for Idiomatic Java
 ~
 ~ License: GNU Lesser General Public License (LGPL), version 2.1 or later.
 ~ See the lgpl.txt file in the root directory or <http://www.gnu.org/licenses/lgpl-2.1.html>.
 -->
```

Found in path(s):
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/jpa/persistence_2_1.xsd
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/hibernate-mapping-4.0.xsd
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/jpa/orm_2_1.xsd
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/jpa/persistence_1_0.xsd
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/jpa/orm_1_0.xsd

* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/jpa/persistence_2_0.xsd
*
 /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/xsd/mapping/legacy-mapping-4.0.xsd
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/xsd/cfg/legacy-configuration-4.0.xsd
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/hibernate-configuration-4.0.xsd
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/jpa/orm_2_0.xsd
No license file was found, but licenses were detected in source scan.

```
/*
* Hibernate, Relational Persistence for Idiomatic Java
*
* License: GNU Lesser General Public License (LGPL), version 2.1 or later.
* See the lgpl.txt file in the root directory or <http://www.gnu.org/licenses/lgpl-2.1.html>.
*/
/**
  * Read/write access to the shared second-level cache using
  * soft locks.
  * <p>
  * Indicates a non-vanishing likelihood that two concurrent
  * transactions attempt to update the same item of data
  * simultaneously. This strategy uses "soft" locks to prevent
  * concurrent transactions from retrieving or storing a stale
  * item from or in the cache during the transaction completion
  * process. A soft lock is simply a marker entry placed in the
  * cache while the updating transaction completes.
  * <ul>
  * <li>A second transaction may not read the item from the
  *     cache while the soft lock is present, and instead
  *     simply proceeds to read the item directly from
 the
  *     database, exactly as if a regular cache miss had
  *     occurred.
  * <li>Similarly, the soft lock also prevents this second
  *     transaction from storing a stale item to the cache
  *     when it returns from its round trip to the database
  *     with something that might not quite be the latest
  *     version.
  * </ul>
  * <p>
  * This concurrency strategy is not compatible with
  * serializable transaction isolation.
  *
  * @see AccessType#READ_WRITE
```

```
 */
```

Found in path(s):
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/annotations/CacheConcurrencyStrategy.java
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```
/*
* Hibernate, Relational Persistence for Idiomatic Java
*
* License: GNU Lesser General Public License (LGPL), version 2.1 or later.
* See the lgpl.txt file in the root directory or <http://www.gnu.org/licenses/lgpl-2.1.html>.
*/
/**
* JTA platform implementation intended for use with WebSphere Application Server (WAS).
* <p>
* WAS, unlike every other app server on the planet, does not allow direct access to the JTS TransactionManager.
* Instead, for common transaction-related tasks users must utilize a proprietary API known as
ExtendedJTATransaction.
* <p>
* Even more unfortunate, the exact TransactionManagerLookup to use inside of WAS is highly dependent upon<ul>
*     <li>WAS version</li>
*     <li>the WAS container in which Hibernate will be utilized</li>
* </ul>
* <p>
* This class is reported to work on WAS version 6 in any of the standard J2EE/Java EE component containers.
*
* @author Gavin
 King
* @author Jesper Udby
* @author Steve Ebersole
*/
```

Found in path(s):
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/WebSphereExtendedJtaPlatform.java
No license file was found, but licenses were detected in source scan.

```
/*
* Hibernate, Relational Persistence for Idiomatic Java
*
* License: GNU Lesser General Public License (LGPL), version 2.1 or later
* See the lgpl.txt file in the root directory or http://www.gnu.org/licenses/lgpl-2.1.html
*/
// It supports a proprietary operator
```

Found in path(s):
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-

jar/org/hibernate/dialect/MariaDBSqlAstTranslator.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/dialect/MySQLSqlAstTranslator.java
No license file was found, but licenses were detected in source scan.

```
<!--
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-->
```

Found in path(s):
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/jpa/orm_3_1.xsd
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```

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* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/xsd/mapping/mapping-3.1.0.xsd
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Found in path(s):
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/jpa/orm_2_2.xsd
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/jpa/persistence_2_2.xsd

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*/
/**
  * Subclass used to simply instantiation of singular attributes representing an entity's
  * version.
  */
```

Found in path(s):
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/metamodel/model/domain/internal/SingularAttributeImpl.java
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Found in path(s):
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/metamodel/spi/MetamodelImplementor.java
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```
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*/
//  "proprietary" methods is better (this class is "proprietary" too).
```

Found in path(s):
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/graph/EntityGraphs.java
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```
/*
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```

```
*/
/*
* Written by Doug Lea with assistance from members of JCP JSR-166
* Expert Group and released to the public domain, as explained at
* http://creativecommons.org/licenses/publicdomain
*
* Modified for https://jira.jboss.org/jira/browse/ISPN-299
* Includes ideas described in http://portal.acm.org/citation.cfm?id=1547428
*
*/
/**
* A hash table supporting full concurrency of retrievals and
* adjustable expected concurrency for updates. This class obeys the
* same functional specification as {@link java.util.Hashtable}, and
* includes versions of methods corresponding to each method of
* {@code Hashtable}. However, even though all operations are
* thread-safe, retrieval operations
 do <em>not</em> entail locking,
* and there is <em>not</em> any support for locking the entire table
* in a way that prevents all access.  This class is fully
* interoperable with {@code Hashtable} in programs that rely on its
* thread safety but not on its synchronization details.
* <p>
* <p> Retrieval operations (including {@code get}) generally do not
* block, so may overlap with update operations (including
* {@code put} and {@code remove}). Retrievals reflect the results
* of the most recently <em>completed</em> update operations holding
* upon their onset.  For aggregate operations such as {@code putAll}
* and {@code clear}, concurrent retrievals may reflect insertion or
* removal of only some entries.  Similarly, Iterators and
* Enumerations return elements reflecting the state of the hash table
* at some point at or since the creation of the iterator/enumeration.
* They do <em>not</em> throw {@link java.util.ConcurrentModificationException}.
* However,
 iterators are designed to be used by only one thread at a time.
* <p>
* <p> The allowed concurrency among update operations is guided by
* the optional {@code concurrencyLevel} constructor argument
* (default {@code 16}), which is used as a hint for internal sizing.  The
* table is internally partitioned to try to permit the indicated
* number of concurrent updates without contention. Because placement
* in hash tables is essentially random, the actual concurrency will
* vary.  Ideally, you should choose a value to accommodate as many
* threads as will ever concurrently modify the table. Using a
* significantly higher value than you need can waste space and time,
* and a significantly lower value can lead to thread contention. But
* overestimates and underestimates within an order of magnitude do
* not usually have much noticeable impact. A value of one is
```

```
* appropriate when it is known that only one thread will modify and
* all others will only read. Also, resizing this
 or any other kind of
* hash table is a relatively slow operation, so, when possible, it is
* a good idea to provide estimates of expected table sizes in
* constructors.
* <p>
* <p>This class and its views and iterators implement all of the
* <em>optional</em> methods of the {@link Map} and {@link Iterator}
* interfaces.
* <p>
* <p>This class is copied from Infinispan, and was originally written
* by Doug Lea with assistance from members of JCP JSR-166 Expert Group and
* released to the public domain, as explained at
* http://creativecommons.org/licenses/publicdomain</p>
* <p>
* <p>
* <p> Like {@link java.util.Hashtable} but unlike {@link HashMap}, this class
* does <em>not</em> allow {@code null} to be used as a key or value.
*
* @param <K> the type of keys maintained by this map
* @param <V> the type of mapped values
*
* @author Doug Lea
*/
```

Found in path(s):
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/internal/util/collections/BoundedConcurrentHashMap.java
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Found in path(s):
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/hibernate-configuration-3.0.dtd
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/hibernate-mapping-3.0.dtd
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```
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```

*/

Found in path(s):
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/sqm/tree/insert/SqmInsertValuesStatement.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/sql/exec/internal/CallbackImpl.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/loader/ast/internal/MultiIdEntityLoaderStandard.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/sql/exec/spi/JdbcParameterBinder.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/cache/spi/RegionFactory.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/sqm/tree/domain/AbstractSqmFrom.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/annotations/Type.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/dialect/function/array/PostgreSQLArrayPositionFunction.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/sqm/internal/MultiTableDeleteQueryPlan.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/sql/spi/NativeQueryImplementor.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/sqm/tree/predicate/AbstractSqmPredicate.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/sql/ast/tree/from/NamedTableReference.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/procedure/spi/ProcedureParameterImplementor.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/metamodel/mapping/NaturalIdMapping.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/sql/exec/ExecutionException.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/sql/ast/tree/from/TableGroup.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/sqm/tree/update/package-info.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/sql/results/graph/internal/ImmutableFetchList.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/sql/results/internal/RowTransformerCheckingImpl.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/spi/QueryParameterImplementor.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/sqm/spi/ParameterDeclarationContext.java

* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/graph/CannotBecomeEntityGraphException.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/sqm/function/SelfRenderingWindowFunctionSqlAstExpression.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/internal/NamedQueryHelper.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/metamodel/internal/AbstractEntityInstantiatorPojo.java
*
/opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/sqm/tree/expression/SqmCaseSearched.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/sql/internal/package-info.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/NaturalIdMultiLoadAccess.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/annotations/IdGeneratorType.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/criteria/JpaCriteriaUpdate.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/sqm/mutation/internal/temptable/package-info.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/metamodel/mapping/AssociationKey.java
*
/opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/sqm/tree/expression/SqmCollectionSize.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/sqm/internal/SqmJdbcExecutionContextAdapter.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/boot/query/SqlResultSetMappingDescriptor.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/cache/spi/QueryResultsRegion.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/dialect/function/HypotheticalSetFunction.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/sql/results/jdbc/internal/JdbcValuesResultSetImpl.java
*
/opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/boot/model/convert/package-info.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/sqm/tree/expression/SqmFieldLiteral.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/dialect/function/AggregateWindowEmulationQueryTransformer.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/sql/results/internal/RowTransformerJpaTupleImpl.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/graph/SubGraph.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-

jar/org/hibernate/annotations/EmbeddableInstantiatorRegistration.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/metamodel/mapping/CompositeIdentifierMapping.java
*
/opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/sql/ast/tree/insert/package-info.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/cache/spi/AbstractRegionFactory.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/named/NamedResultSetMappingMemento.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/resource/beans/spi/ManagedBeanRegistryInitiator.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/metamodel/model/domain/internal/EmbeddableTypeImpl.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/cache/spi/access/CachedDomainDataAccess.java
*
/opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/criteria/package-info.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/engine/jdbc/connections/internal/DatabaseConnectionInfoImpl.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/dialect/function/array/ArrayIncludesUnnestFunction.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/PathException.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/sql/spi/NativeSelectQueryPlan.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/metamodel/model/domain/EmbeddableDomainType.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/type/QueryParameterJavaObjectType.java
*
/opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/sql/ast/spi/SqlAliasBaseManager.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/sql/ast/tree/expression/Overflow.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/sqm/tree/domain/SqmPluralPartJoin.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/sqm/sql/package-info.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/cache/spi/support/StorageAccess.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/persister/entity/mutation/InsertCoordinator.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/metamodel/model/domain/spi/package-info.java
*

/opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/dialect/function/DB2PositionFunction.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/metamodel/mapping/internal/VirtualIdEmbeddable.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/results/TableGroupImpl.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/sqm/tree/domain/SqmTreatedCrossJoin.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/graph/internal/AttributeNodeImpl.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/sql/results/graph/embeddable/internal/AggregateEmbeddableInitializerImpl.java
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/opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/sql/ast/internal/TableGroupHelper.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/sql/ast/tree/from/CollectionTableGroup.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/results/BasicValuedFetchBuilder.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/metamodel/mapping/internal/SqlTypedMappingImpl.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/metamodel/mapping/internal/EmbeddedCollectionPart.java
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* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/sql/ast/tree/from/TableGroupJoin.java
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* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/sqm/mutation/internal/SqmInsertStrategyHelper.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/spi/EntityIdentifierNavigablePath.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/sql/results/graph/entity/EntityInitializer.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/sql/exec/spi/JdbcOperationQuery.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/criteria/JpaListJoin.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/sql/results/graph/embeddable/AggregateEmbeddableResultGraphNode.java
*
/opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/results/implicit/ImplicitModelPartResultBuilder.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/loader/ast/spi/MultiNaturalIdLoadOptions.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-

jar/org/hibernate/type/internal/UserTypeJavaTypeWrapper.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/criteria/ValueHandlingMode.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/dialect/function/ListaggGroupConcatEmulation.java
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* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/engine/spi/EntityKey.java
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/*
* Hibernate, Relational Persistence for Idiomatic Java
*
* License: GNU Lesser General Public License (LGPL), version 2.1 or later.

```
* See the lgpl.txt file in the root directory or <http://www.gnu.org/licenses/lgpl-2.1.html>.
*/
/**
  * In {@linkplain jakarta.persistence.InheritanceType#SINGLE_TABLE single table}
  * inheritance, subclasses share a table with the root class by definition. But
  * for {@linkplain jakarta.persistence.InheritanceType#JOINED joined} or
  * {@linkplain jakarta.persistence.InheritanceType#TABLE_PER_CLASS union} mappings,
  * the subclasses are assumed to occupy distinct tables, and it's an error to map
  * two subclasses to the same table.
  * <p>
  * As a special exception to this, if a joined inheritance hierarchy defines an
  * explicit {@link jakarta.persistence.DiscriminatorColumn}, we tolerate table
  * duplication among the subclasses, but we must "force" the discriminator to

 * account for this. (See issue HHH-14526.)
  */
```

Found in path(s):
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/mapping/RootClass.java
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```
/*
* Hibernate, Relational Persistence for Idiomatic Java
*
* License: GNU Lesser General Public License (LGPL), version 2.1 or later.
* See the lgpl.txt file in the root directory or http://www.gnu.org/licenses/lgpl-2.1.html.
*/
/**
  * Used to pass a CDI {@link jakarta.enterprise.inject.spi.BeanManager} to
  * Hibernate.
  * <p>
  * According to the JPA specification, the {@code BeanManager} should be
  * passed at boot time and be ready for immediate use at that time. But
  * not all environments can do this (WildFly, for example). To accommodate
  * such environments, Hibernate provides two options: <ol>
  *     <li> A proprietary CDI extension SPI (which has been proposed to the CDI
  *          spec group as a standard option) which can be used to provide delayed
  *          {@code BeanManager} access: to use this solution, the reference passed
  *          as the {@code BeanManager} during bootstrap should
 be typed as
  *          {@link org.hibernate.resource.beans.container.spi.ExtendedBeanManager}.
  *     <li> Delayed access to the {@code BeanManager} reference: here, Hibernate
  *          will not access the reference passed as the {@code BeanManager} during
  *          bootstrap until it is first needed. Note, however, that this has the
  *          effect of delaying the detection of any deployment problems until after
  *          bootstrapping.
  * </ol>
```

```
 *
 * This setting is used to configure access to the {@code BeanManager},
 * either directly, or via
 * {@link org.hibernate.resource.beans.container.spi.ExtendedBeanManager}.
 *
 * @see org.hibernate.boot.SessionFactoryBuilder#applyBeanManager(Object)
 */
```

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* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/cfg/ManagedBeanSettings.java
No license file was found, but licenses were detected in source scan.

```
/*
* Hibernate, Relational Persistence for Idiomatic Java
*
* License: GNU Lesser General Public License (LGPL), version 2.1 or later
* See the lgpl.txt file in the root directory or http://www.gnu.org/licenses/lgpl-2.1.html
*/
// public DomainResult createDomainResult(
```

Found in path(s):
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/query/sqm/tree/expression/SqmLiteralEntityType.java
No license file was found, but licenses were detected in source scan.

```
/*
* Hibernate, Relational Persistence for Idiomatic Java
*
* License: GNU Lesser General Public License (LGPL), version 2.1 or later.
* See the lgpl.txt file in the root directory or http://www.gnu.org/licenses/lgpl-2.1.html.
*/
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* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/boot/model/internal/AnnotatedJoinColumn.java
* /opt/cola/permits/2439948020_1747425331.2309678/0/hibernate-core-6-6-13-final-sources-jar/org/hibernate/persister/collection/mutation/RemoveCoordinatorNoOp.java
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  *
  * @return {@code true} if the underlying database supports lateral,
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  */
```

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```
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import (
 "encoding/json"
)

type LicenseInformation struct {
 LicenseType  string `json:"type"`
 ValidThrough string `json:"validThrough"`
 LicensedTo   string `json:"licensedTo"`
}

func (c *ArtifactoryClient) GetLicenseInformation() (LicenseInformation, error) {
 o := make(map[string]string, 0)
 var l LicenseInformation
 d, e := c.Get("/api/system/license", o)
 if e != nil {
  return l, e
 } else {
  err := json.Unmarshal(d, &l)
  return l, err
 }
}
```

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* /opt/cola/permits/2440531747_1745999359.4788802/0/spring-core-6-1-19-sources-jar/org/springframework/objenesis/instantiator/sun/UnsafeFactoryInstantiator.java
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* /opt/cola/permits/2440531747_1745999359.4788802/0/spring-core-6-1-19-sources-jar/org/springframework/objenesis/instantiator/perc/PercInstantiator.java
* /opt/cola/permits/2440531747_1745999359.4788802/0/spring-core-6-1-19-sources-jar/org/springframework/objenesis/instantiator/android/Android10Instantiator.java
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* /opt/cola/permits/2440531747_1745999359.4788802/0/spring-core-6-1-19-sources-jar/org/springframework/javapoet/MethodSpec.java
* /opt/cola/permits/2440531747_1745999359.4788802/0/spring-core-6-1-19-sources-jar/org/springframework/javapoet/CodeWriter.java
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* /opt/cola/permits/2440531747_1745999359.4788802/0/spring-core-6-1-19-sources-jar/org/springframework/cglib/core/LocalVariablesSorter.java
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* /opt/cola/permits/2440531747_1745999359.4788802/0/spring-core-6-1-19-sources-jar/org/springframework/asm/Edge.java
* /opt/cola/permits/2440531747_1745999359.4788802/0/spring-core-6-1-19-sources-jar/org/springframework/asm/SymbolTable.java
* /opt/cola/permits/2440531747_1745999359.4788802/0/spring-core-6-1-19-sources-jar/org/springframework/asm/ClassReader.java
* /opt/cola/permits/2440531747_1745999359.4788802/0/spring-core-6-1-19-sources-jar/org/springframework/asm/Handle.java
* /opt/cola/permits/2440531747_1745999359.4788802/0/spring-core-6-1-19-sources-jar/org/springframework/asm/ByteVector.java
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* /opt/cola/permits/2440531747_1745999359.4788802/0/spring-core-6-1-19-sources-jar/org/springframework/asm/MethodWriter.java

* /opt/cola/permits/2440531747_1745999359.4788802/0/spring-core-6-1-19-sources-jar/org/springframework/asm/Symbol.java
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* /opt/cola/permits/2440531747_1745999359.4788802/0/spring-core-6-1-19-sources-jar/org/springframework/util/xml/XmlValidationModeDetector.java
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 /opt/cola/permits/2440531747_1745999359.4788802/0/spring-core-6-1-19-sources-jar/org/springframework/core/convert/support/StringToCollectionConverter.java
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 /opt/cola/permits/2440531747_1745999359.4788802/0/spring-core-6-1-19-sources-jar/org/springframework/core/annotation/MergedAnnotationCollectors.java
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* /opt/cola/permits/2440531747_1745999359.4788802/0/spring-core-6-1-19-sources-jar/org/springframework/core/convert/support/StringToEnumConverterFactory.java
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* /opt/cola/permits/2440531747_1745999359.4788802/0/spring-core-6-1-19-sources-jar/org/springframework/util/IdGenerator.java
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* /opt/cola/permits/2440531747_1745999359.4788802/0/spring-core-6-1-19-sources-jar/org/springframework/core/serializer/Serializer.java
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* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/aspectj/AspectJProxyUtils.java
* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/framework/autoproxy/target/LazyInitTargetSourceCreator.java
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* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/support/AbstractBeanFactoryPointcutAdvisor.java
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* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/framework/ProxyFactory.java
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* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/framework/adapter/AdvisorAdapterRegistrationManager.java
* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/config/SimpleBeanFactoryAwareAspectInstanceFactory.java
* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-

jar/org/springframework/aop/aspectj/AspectJAopUtils.java
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* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/framework/ObjenesisCglibAopProxy.java
* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/aspectj/annotation/AspectJProxyFactory.java
* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/config/AbstractInterceptorDrivenBeanDefinitionDecorator.java
*
 /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/aspectj/autoproxy/AspectJAwareAdvisorAutoProxyCreator.java
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* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/Pointcut.java
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* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/PointcutAdvisor.java
* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/IntroductionAdvisor.java
* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/scope/DefaultScopedObject.java
* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/scope/ScopedObject.java
* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/support/JdkRegexpMethodPointcut.java
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* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/support/DefaultBeanFactoryPointcutAdvisor.java
* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/aspectj/AspectJExpressionPointcutAdvisor.java
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* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/support/ExpressionPointcut.java
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* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/aspectj/annotation/NotAnAtAspectException.java
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* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/aspectj/AspectJPrecedenceInformation.java
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* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/framework/DefaultAdvisorChainFactory.java
* /opt/cola/permits/2440531826_1745999407.413541/0/spring-aop-6-1-19-sources-jar/org/springframework/aop/support/MethodMatchers.java
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1.8560 spring-tx 6.1.19

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* /opt/cola/permits/2440531810_1745999332.4283493/0/spring-tx-6-1-19-sources-jar/org/springframework/dao/support/DaoSupport.java
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/opt/cola/permits/2440531810_1745999332.4283493/0/spring-tx-6-1-19-sources-jar/org/springframework/transaction/config/TransactionManagementConfigUtils.java
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* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/client/reactive/ClientHttpRequestDecorator.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/server/reactive/HttpHeadResponseDecorator.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/server/DefaultRequestPath.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/cors/reactive/UrlBasedCorsConfigurationSource.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/method/annotation/RequestParamMapMethodArgumentResolver.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/util/UriBuilderFactory.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/converter/json/AbstractJsonHttpMessageConverter.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/accept/ServletPathExtensionContentNegotiationStrategy.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/filter/CorsFilter.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/util/ServletContextPropertyUtils.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/context/request/WebRequest.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/client/reactive/ClientHttpRequest.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/multipart/support/StandardServletPartUtils.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/codec/ResourceHttpMessageReader.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/client/RestClientException.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/server/DelegatingServerHttpResponse.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/client/AbstractClientHttpRequest.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-

jar/org/springframework/web/server/session/DefaultWebSessionManager.java
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* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/server/handler/DefaultWebFilterChain.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/codec/multipart/FileStorage.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/bind/annotation/CookieValue.java
*

/opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/codec/multipart/FilePart.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/cors/reactive/PreFlightRequestWebFilter.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/multipart/support/StringMultipartFileEditor.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/cors/reactive/PreFlightRequestHandler.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/HttpRequestHandler.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/client/RequestCallback.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/jsf/DecoratingNavigationHandler.java
*
/opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/codec/HttpMessageReader.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/context/support/ServletContextResourcePatternResolver.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/method/support/CompositeUriComponentsContributor.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/multipart/support/AbstractMultipartHttpServletRequest.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/jsf/el/WebApplicationContextFacesELResolver.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/server/reactive/HttpHandlerDecoratorFactory.java
*
/opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/method/annotation/AbstractCookieValueMethodArgumentResolver.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/multipart/MultipartHttpServletRequest.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/converter/HttpMessageConverter.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/converter/protobuf/ProtobufJsonFormatHttpMessageConverter.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/method/annotation/RequestHeaderMethodArgumentResolver.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/server/reactive/WriteResultPublisher.java
*
/opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/multipart/support/DefaultMultipartHttpServletRequest.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/util/pattern/WildcardTheRestPathElement.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/util/UriComponents.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-

jar/org/springframework/http/server/reactive/AbstractListenerServerHttpResponse.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-
jar/org/springframework/web/multipart/MultipartFile.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-
jar/org/springframework/http/client/reactive/JdkClientHttpConnector.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-
jar/org/springframework/http/server/reactive/AbstractListenerWriteFlushProcessor.java
*
/opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-
jar/org/springframework/web/filter/FormContentFilter.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-
jar/org/springframework/web/SpringServletContainerInitializer.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-
jar/org/springframework/web/WebApplicationInitializer.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-
jar/org/springframework/web/multipart/support/RequestPartServletServerHttpRequest.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-
jar/org/springframework/web/bind/annotation/RequestPart.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-
jar/org/springframework/http/codec/FormHttpMessageWriter.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-
jar/org/springframework/web/util/HtmlCharacterEntityDecoder.java
*
/opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-
jar/org/springframework/web/method/annotation/ExceptionHandlerMethodResolver.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-
jar/org/springframework/web/multipart/MultipartResolver.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-
jar/org/springframework/web/context/support/HttpRequestHandlerServlet.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-
jar/org/springframework/http/server/reactive/ServerHttpRequest.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-
jar/org/springframework/web/bind/support/WebBindingInitializer.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-
jar/org/springframework/web/context/support/SpringBeanAutowiringSupport.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-
jar/org/springframework/http/server/reactive/UndertowHeadersAdapter.java
*
/opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-
jar/org/springframework/http/codec/HttpMessageWriter.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-
jar/org/springframework/web/util/HtmlUtils.java
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This file maps Internet media types to unique file extension(s).
Although created for httpd, this file is used by many software systems
and has been placed in the public domain for unlimited redistribution.
#
The table below contains both registered and (common) unregistered types.
A type that has no unique extension can be ignored -- they are listed
here to guide configurations toward known types and to make it easier to
identify "new" types. File extensions are also commonly used to indicate
content languages and encodings, so choose them carefully.
#

```
# Internet media types should be registered as described in RFC 4288.
# The registry is at <https://www.iana.org/assignments/media-types/>.
#
# This file was retrieved from
https://svn.apache.org/viewvc/httpd/httpd/trunk/docs/conf/mime.types?revision=1752884&view=co
#
# MIME type (lowercased)   Extensions
# ============================================ ==========
#
 application/1d-interleaved-parityfec
# application/3gpdash-qoe-report+xml
# application/3gpp-ims+xml
# application/a2l
# application/activemessage
# application/alto-costmap+json
# application/alto-costmapfilter+json
# application/alto-directory+json
# application/alto-endpointcost+json
# application/alto-endpointcostparams+json
# application/alto-endpointprop+json
# application/alto-endpointpropparams+json
# application/alto-error+json
# application/alto-networkmap+json
# application/alto-networkmapfilter+json
# application/aml
```

Found in path(s):
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/mime.types
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* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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* limitations under the License.
*/
/**
  * Return the web session for the current request. Always guaranteed  to
```

```
  * return an instance either matching to the session id requested by the
  * client, or with a new session id either because the client did not
  * specify one or because the underlying session had expired. Use of this
  * method
 does not automatically create a session. See {@link WebSession}
  * for more details.
  */
```

Found in path(s):
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/server/ServerWebExchange.java
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* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/client/reactive/HttpComponentsClientHttpRequest.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/bind/support/ConfigurableWebBindingInitializer.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/server/reactive/ServletHttpHandlerAdapter.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/bind/ServletRequestDataBinder.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/converter/json/JsonbHttpMessageConverter.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/converter/ObjectToStringHttpMessageConverter.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/server/reactive/ReactorServerHttpRequest.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/StreamingHttpOutputMessage.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/server/i18n/AcceptHeaderLocaleContextResolver.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/converter/xml/MarshallingHttpMessageConverter.java

* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/HttpCookie.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/client/support/InterceptingHttpAccessor.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/codec/multipart/PartGenerator.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/codec/multipart/MultipartHttpMessageWriter.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/server/reactive/ReactorNetty2ServerHttpRequest.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/method/annotation/MethodArgumentTypeMismatchException.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/bind/support/BindParamNameResolver.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/HttpRequestMethodNotSupportedException.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/filter/ShallowEtagHeaderFilter.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/server/PathContainer.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/MediaType.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/context/request/async/CallableProcessingInterceptor.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/client/reactive/AbstractClientHttpRequest.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/server/UnsupportedMediaTypeStatusException.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/bind/annotation/ResponseStatus.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/bind/annotation/RequestMethod.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/context/support/AnnotationConfigWebApplicationContext.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/accept/AbstractMappingContentNegotiationStrategy.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/cors/DefaultCorsProcessor.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/service/invoker/ReactorHttpExchangeAdapter.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/accept/MappingMediaTypeFileExtensionResolver.java
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* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/context/request/async/DeferredResult.java
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* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/bind/support/SessionAttributeStore.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/multipart/support/ByteArrayMultipartFileEditor.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/codec/multipart/Part.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/context/request/RequestAttributes.java
*
 /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/server/i18n/LocaleContextResolver.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/bind/support/DefaultSessionAttributeStore.java
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* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/context/request/async/TimeoutCallableProcessingInterceptor.java
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* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/server/session/WebSessionManager.java
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* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/context/request/SessionScope.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/context/request/WebRequestInterceptor.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/http/converter/json/SpringHandlerInstantiator.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/context/request/RequestScope.java
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* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/multipart/MultipartRequest.java
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* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/context/WebApplicationContext.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/cors/reactive/CorsConfigurationSource.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/context/annotation/SessionScope.java
*

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* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/util/WebAppRootListener.java
* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/bind/annotation/RequestAttribute.java
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* /opt/cola/permits/2440531763_1745999380.205476/0/spring-web-6-1-19-sources-jar/org/springframework/web/server/WebHandler.java
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1.8562 spring-aspects 6.1.19

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* /opt/cola/permits/2440531802_1745999365.7342272/0/spring-aspects-6-1-19-sources-jar/org/springframework/beans/factory/aspectj/AbstractInterfaceDrivenDependencyInjectionAspect.aj
* /opt/cola/permits/2440531802_1745999365.7342272/0/spring-aspects-6-1-19-sources-jar/org/springframework/transaction/aspectj/AspectJTransactionManagementConfiguration.java
* /opt/cola/permits/2440531802_1745999365.7342272/0/spring-aspects-6-1-19-sources-jar/org/springframework/cache/aspectj/AspectJJCacheConfiguration.java
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1.8563 spring-jdbc 6.1.19

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* The classes in this package make JDBC easier to use and
* reduce the likelihood of common errors. In particular, they:
*

* Simplify error handling, avoiding the need for try/catch/finally
* blocks in application code.
* Present exceptions to application code in a generic hierarchy of
* unchecked exceptions, enabling applications to catch data access
* exceptions without being dependent on JDBC, and to ignore fatal
* exceptions there is no value in catching.
* Allow the implementation of error handling to be modified
* to target different RDBMSes without introducing proprietary
* dependencies into application code.
*
*
* <p>This package and related packages are discussed in Chapter 9 of
* Expert One-On-One J2EE Design and Development
* by Rod Johnson (Wrox, 2002).
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* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/config/JdbcNamespaceHandler.java
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* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/datasource/lookup/DataSourceLookupFailureException.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/datasource/embedded/SimpleDriverDataSourceFactory.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/support/incrementer/AbstractSequenceMaxValueIncrementer.java
*
 /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/datasource/lookup/SingleDataSourceLookup.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/object/GenericStoredProcedure.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/support/xml/XmlResultProvider.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/support/xml/SqlXmlFeatureNotImplementedException.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/datasource/lookup/JndiDataSourceLookup.java
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* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabase.java
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*/
/**
  * Close this LobCreator session and free its temporarily created BLOBs and CLOBs.
  * Will not need to do anything if using PreparedStatement's standard methods,
  * but might be necessary to free database resources if using proprietary means.
  * <p><b>NOTE</b>: Needs to be invoked after the involved
 PreparedStatements have
  * been executed or the affected O/R mapping sessions have been flushed.
  * Otherwise, the database resources for the temporary BLOBs might stay allocated.
  */
```

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* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-

jar/org/springframework/jdbc/core/CallableStatementCreatorFactory.java
*
 /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-
jar/org/springframework/jdbc/support/lob/PassThroughClob.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-
jar/org/springframework/jdbc/support/incrementer/MariaDBSequenceMaxValueIncrementer.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-
jar/org/springframework/jdbc/object/SqlFunction.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-
jar/org/springframework/jdbc/support/incrementer/H2SequenceMaxValueIncrementer.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-
jar/org/springframework/jdbc/core/RowMapperResultSetExtractor.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-
jar/org/springframework/jdbc/core/support/JdbcDaoSupport.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-
jar/org/springframework/jdbc/core/namedparam/AbstractSqlParameterSource.java
*
 /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-
jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabaseConfigurerFactory.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-
jar/org/springframework/jdbc/CannotGetJdbcConnectionException.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-
jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabaseType.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-
jar/org/springframework/jdbc/datasource/init/DatabasePopulator.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-
jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabaseFactory.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-
jar/org/springframework/jdbc/support/incrementer/SqlServerSequenceMaxValueIncrementer.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-
jar/org/springframework/jdbc/datasource/SimpleDriverDataSource.java
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* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/support/lob/DefaultLobHandler.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/datasource/AbstractDriverBasedDataSource.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/datasource/ConnectionProxy.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/datasource/lookup/BeanFactoryDataSourceLookup.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/metadata/OracleCallMetaDataProvider.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/support/xml/Jdbc4SqlXmlHandler.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/support/CustomSQLErrorCodesTranslation.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/config/InitializeDatabaseBeanDefinitionParser.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/config/EmbeddedDatabaseBeanDefinitionParser.java
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*/
/**
* Implement this interface when parameters need to be customized based
* on the connection. We might need to do this to make use of proprietary
* features, available only with a specific Connection type.
*
* @author Rod Johnson
* @author Thomas Risberg
```

```
* @see CallableStatementCreatorFactory#newCallableStatementCreator(ParameterMapper)
 * @see org.springframework.jdbc.object.StoredProcedure#execute(ParameterMapper)
*/
/**
  * Create a Map of input parameters, keyed by name.
  * @param con a JDBC connection. This is useful (and the purpose of this interface)
  * if we need to do something RDBMS-specific with a proprietary Connection
  * implementation class. This class conceals such proprietary details. However,
  * it is best to avoid using such proprietary RDBMS features if possible.
  * @return a Map of input parameters, keyed by name (never {@code null})
  * @throws SQLException if an SQLException is encountered setting
  * parameter values (that is, there's no need to catch SQLException)
  */
```

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* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/ParameterMapper.java
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* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/namedparam/SqlParameterSource.java
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*
 /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/object/StoredProcedure.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/object/RdbmsOperation.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/BeanPropertyRowMapper.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/namedparam/SqlParameterSourceUtils.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/metadata/TableMetaDataContext.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-

jar/org/springframework/jdbc/core/metadata/GenericTableMetaDataProvider.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/JdbcTemplate.java
*
/opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/JdbcUpdateAffectedIncorrectNumberOfRowsException.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/support/CustomSQLExceptionTranslatorRegistry.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/support/SQLErrorCodesFactory.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/support/rowset/ResultSetWrappingSqlRowSet.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/metadata/GenericCallMetaDataProvider.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/support/AbstractLobStreamingResultSetExtractor.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/support/SqlLobValue.java
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/opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/InterruptibleBatchPreparedStatementSetter.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/support/AbstractLobCreatingPreparedStatementCallback.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/support/JdbcUtils.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabaseFactoryRuntimeHints.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/simple/AbstractJdbcInsert.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/metadata/DerbyCallMetaDataProvider.java
*
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* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/support/xml/SqlXmlValue.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/simple/SimpleJdbcCallOperations.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/IncorrectResultSetColumnCountException.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/metadata/CallMetaDataProvider.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/metadata/TableMetaDataProvider.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/support/SqlCharacterValue.java
*

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* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/datasource/embedded/HsqlEmbeddedDatabaseConfigurer.java
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* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/support/incrementer/HanaSequenceMaxValueIncrementer.java
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* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/config/SortedResourcesFactoryBean.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/support/AbstractInterruptibleBatchPreparedStatementSetter.java
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* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/datasource/embedded/ConnectionProperties.java
*

/opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/support/rowset/SqlRowSetMetaData.java
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* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/SqlProvider.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/support/JdbcBeanDefinitionReader.java
*
/opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/support/GeneratedKeyHolder.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/support/DatabaseMetaDataCallback.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/SqlReturnType.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/SqlParameterValue.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/support/KeyHolder.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/namedparam/ParsedSql.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/datasource/embedded/DataSourceFactory.java
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/opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/core/SqlParameter.java
* /opt/cola/permits/2440531776_1745999417.1055806/0/spring-jdbc-6-1-19-sources-jar/org/springframework/jdbc/datasource/embedded/AbstractEmbeddedDatabaseConfigurer.java

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*/
/**
* Strategy interface for translating between {@link SQLException SQLExceptions}
* and Spring's data access strategy-agnostic {@link DataAccessException}
* hierarchy.
*
* <p>Implementations can be generic (for example, using
* {@link java.sql.SQLException#getSQLState() SQLState} codes for JDBC) or
 wholly
* proprietary (for example, using Oracle error codes) for greater precision.
*
* @author Rod Johnson
* @author Juergen Hoeller
* @see org.springframework.dao.DataAccessException
*/
```

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1.8564 spring-context 6.1.19

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*
 /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/format/support/FormatterPropertyEditorAdapter.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scripting/groovy/GroovyObjectCustomizer.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/format/datetime/standard/TemporalAccessorPrinter.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/cache/interceptor/KeyGenerator.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/format/datetime/standard/DurationFormatter.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/config/ScheduledTasksBeanDefinitionParser.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/format/datetime/standard/PeriodFormatter.java
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 /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/annotation/Schedules.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jndi/JndiLocatorDelegate.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/format/datetime/standard/MonthDayFormatter.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/format/Printer.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/format/datetime/standard/YearMonthFormatter.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/ScopeMetadataResolver.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jndi/JndiPropertySource.java
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 /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/config/PropertyOverrideBeanDefinitionParser.java

* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/format/Parser.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/config/AbstractPropertyLoadingBeanDefinitionParser.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/FilterType.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/i18n/TimeZoneAwareLocaleContext.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/i18n/LocaleContext.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/support/MessageSourceResourceBundle.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/ejb/config/AbstractJndiLocatingBeanDefinitionParser.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/event/EventPublicationInterceptor.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/validation/MapBindingResult.java
*

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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/AutoProxyRegistrar.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/FullyQualifiedAnnotationBeanNameGenerator.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/validation/MessageCodeFormatter.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/ApplicationStartupAware.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/ScannedGenericBeanDefinition.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jmx/support/RegistrationPolicy.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/ScopedProxyMode.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/ApplicationContextInitializer.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/ResourceElementResolver.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/cache/CacheManager.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/cache/interceptor/CompositeCacheOperationSource.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/config/ScheduledTaskHolder.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jmx/export/metadata/ManagedNotification.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/instrument/classloading/glassfish/GlassFishLoadTimeWeaver.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jmx/export/metadata/ManagedMetric.java
*
/opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/config/Task.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jmx/export/assembler/AbstractMBeanInfoAssembler.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/expression/EnvironmentAccessor.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/stereotype/Indexed.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scripting/bsh/BshScriptEvaluator.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/format/datetime/standard/DateTimeFormatterFactoryBean.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/cache/config/CacheNamespaceHandler.java
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/opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/support/MethodInvokingRunnable.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/support/ConversionServiceFactoryBean.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/instrument/classloading/ReflectiveLoadTimeWeaver.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/config/TaskManagementConfigUtils.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jmx/export/assembler/AbstractReflectiveMBeanInfoAssembler.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/ScopedProxyCreator.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/BeanAnnotationHelper.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/expression/BeanFactoryResolver.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jmx/export/metadata/ManagedAttribute.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/Scope.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/EmbeddedValueResolverAware.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jmx/export/assembler/SimpleReflectiveMBeanInfoAssembler.java

* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jndi/JndiTemplate.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jmx/export/naming/KeyNamingStrategy.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/ImportRegistry.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jmx/export/MBeanExportOperations.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/validation/DefaultBindingErrorProcessor.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/cache/interceptor/CacheResolver.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scripting/ScriptCompilationException.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/validation/beanvalidation/BeanValidationPostProcessor.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scripting/config/ScriptBeanDefinitionParser.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/validation/AbstractPropertyBindingResult.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/format/FormatterRegistry.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jndi/JndiObjectLocator.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/support/FileSystemXmlApplicationContext.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-

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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/AdviceMode.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/weaving/AspectJWeavingEnabler.java
*
 /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/AdviceModeImportSelector.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jmx/support/MBeanRegistrationSupport.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/format/datetime/standard/YearFormatter.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jmx/export/naming/IdentityNamingStrategy.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/AnnotationBeanNameGenerator.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jmx/export/metadata/ManagedOperationParameter.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/instrument/classloading/LoadTimeWeaver.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jmx/export/naming/SelfNaming.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jmx/export/notification/UnableToSendNotificationException.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/support/DelegatingErrorHandlingRunnable.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/validation/BindingErrorProcessor.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/ejb/config/JndiLookupBeanDefinitionParser.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jmx/access/MBeanConnectFailureException.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jmx/export/UnableToRegisterMBeanException.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/AnnotationConfigBeanDefinitionParser.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jmx/export/assembler/MBeanInfoAssembler.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/HierarchicalMessageSource.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/ApplicationContextAware.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/weaving/LoadTimeWeaverAware.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/format/Formatter.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jmx/export/MBeanExporterListener.java
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/opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/ScopeMetadata.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/config/ContextNamespaceHandler.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jmx/MBeanServerNotFoundException.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/Phased.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/validation/MessageCodesResolver.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/ApplicationContextException.java
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*/
/**
* Indicates that a component is only eligible for registration when all
* {@linkplain #value specified conditions} match.

```
*
* <p>A <em>condition</em> is any state that can be determined programmatically
* before the bean definition is due to be registered (see {@link Condition} for details).
*
*
 <p>The {@code @Conditional} annotation may be used in any of the following ways:
* <ul>
* <li>as a type-level annotation on any class directly or indirectly annotated with
* {@code @Component}, including {@link Configuration @Configuration} classes</li>
* <li>as a meta-annotation, for the purpose of composing custom stereotype
* annotations</li>
* <li>as a method-level annotation on any {@link Bean @Bean} method</li>
* </ul>
*
* <p>If a {@code @Configuration} class is marked with {@code @Conditional},
* all of the {@code @Bean} methods, {@link Import @Import} annotations, and
* {@link ComponentScan @ComponentScan} annotations associated with that
* class will be subject to the conditions.
*
* <p><strong>NOTE</strong>: Inheritance of {@code @Conditional} annotations
* is not supported; any conditions from superclasses or from overridden
* methods will not be considered. In order to enforce these semantics,
* {@code @Conditional} itself is not declared as
* {@link java.lang.annotation.Inherited
 @Inherited}; furthermore, any
* custom <em>composed annotation</em> that is meta-annotated with
* {@code @Conditional} must not be declared as {@code @Inherited}.
*
* @author Phillip Webb
* @author Sam Brannen
* @since 4.0
* @see Condition
*/
```

Found in path(s):
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/Conditional.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/ImportAware.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/ConflictingBeanDefinitionException.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/ApplicationEventPublisherAware.java
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*/
/**
* Abstract the invocation of a cache operation.
*
* <p>Does not provide a way to transmit checked exceptions but
* provides a special exception that should be used to wrap any
* exception that was thrown by the underlying invocation.
* Callers are expected to handle this issue type specifically.
 *
* @author Stephane Nicoll
* @since 4.1
*/

Found in path(s):
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-

jar/org/springframework/cache/interceptor/CacheOperationInvoker.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/instrument/classloading/jboss/JBossLoadTimeWeaver.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/event/ContextStoppedEvent.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/support/CronField.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/cache/interceptor/CacheInterceptor.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/jmx/access/MBeanProxyFactoryBean.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/event/SimpleApplicationEventMulticaster.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/TaskScheduler.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/format/support/DefaultFormattingConversionService.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/support/PostProcessorRegistrationDelegate.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/cache/concurrent/ConcurrentMapCacheManager.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/cache/interceptor/CacheEvaluationContext.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/ui/ConcurrentModel.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/cache/annotation/CachingConfigurer.java

* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/cache/interceptor/AbstractFallbackCacheOperationSource.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/event/ContextRefreshedEvent.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/support/BitsCronField.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/SmartLifecycle.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/event/ApplicationContextEvent.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/annotation/Scheduled.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/format/datetime/DateFormatterRegistrar.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/aot/KotlinReflectionBeanRegistrationAotProcessor.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/support/AbstractRefreshableApplicationContext.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/format/datetime/standard/DateTimeFormatterUtils.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/aot/ReflectiveProcessorBeanFactoryInitializationAotProcessor.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/format/support/FormattingConversionServiceFactoryBean.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/validation/method/ParameterValidationResult.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/validation/AbstractErrors.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/support/DefaultScheduledTaskObservationConvention.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/concurrent/SimpleAsyncTaskScheduler.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/concurrent/ThreadPoolExecutorFactoryBean.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/validation/beanvalidation/OptionalValidatorFactoryBean.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/event/ContextStartedEvent.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/validation/beanvalidation/MethodValidationAdapter.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/concurrent/ConcurrentTaskExecutor.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/validation/beanvalidation/MethodValidationInterceptor.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/ConfigurationClassBeanDefinitionReader.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/support/ApplicationContextAwareProcessor.java
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* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/CommonAnnotationBeanPostProcessor.java
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/opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/cache/interceptor/CacheOperationSourcePointcut.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/support/CronExpression.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/event/ApplicationListenerMethodAdapter.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-

jar/org/springframework/context/annotation/AnnotatedBeanDefinitionReader.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/event/ContextClosedEvent.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/validation/beanvalidation/SpringValidatorAdapter.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/cache/interceptor/CacheAspectSupport.java
*
/opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/format/datetime/DateFormatter.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/Primary.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/support/GenericApplicationContext.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/concurrent/ThreadPoolTaskScheduler.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/cache/interceptor/CacheOperationSource.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/expression/StandardBeanExpressionResolver.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/format/datetime/standard/DateTimeFormatterFactory.java
*
/opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/format/annotation/DateTimeFormat.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/concurrent/ConcurrentTaskScheduler.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/annotation/Condition.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/support/AbstractResourceBasedMessageSource.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/support/ReloadableResourceBundleMessageSource.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/concurrent/ExecutorConfigurationSupport.java
*
/opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/concurrent/ExecutorLifecycleDelegate.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/context/event/GenericApplicationListenerDelegate.java
* /opt/cola/permits/2440531808_1745999447.2341373/0/spring-context-6-1-19-sources-jar/org/springframework/scheduling/annotation/ScheduledAnnotationReactiveSupport.java
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1.8565 micrometer-core 1.13.13

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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/simple/SimpleMeterRegistry.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/annotation/Incubating.java
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 /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/composite/CompositeFunctionCounter.java

* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/aop/CountedAspect.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/logging/LogbackMetrics.java
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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/noop/NoopFunctionTimer.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/AbstractMeter.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/distribution/PercentileHistogramBuckets.java
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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/step/StepLong.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/composite/package-info.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/distribution/CountAtBucket.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/composite/CompositeGauge.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/util/MeterPartition.java
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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/system/DiskSpaceMetrics.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/internal/Mergeable.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/jvm/JvmCompilationMetrics.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/jvm/DiskSpaceMetrics.java
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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/ImmutableTag.java
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/opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/composite/CompositeMeterRegistry.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/composite/CompositeTimer.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/distribution/HistogramSnapshot.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-

jar/io/micrometer/core/instrument/binder/jersey/server/MetricsApplicationEventListener.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/util/package-info.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/package-info.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/distribution/pause/ClockDriftPauseDetector.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/internal/DefaultMeter.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/composite/CompositeCounter.java
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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/step/package-info.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/config/package-info.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/db/DatabaseTableMetrics.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/distribution/TimeWindowPercentileHistogram.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/internal/DefaultGauge.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/simple/SimpleConfig.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/search/MeterNotFoundException.java
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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/grpc/GrpcClientObservationConvention.java
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 /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/grpc/DefaultGrpcServerObservationConvention.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/grpc/GrpcServerObservationContext.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/grpc/ObservationGrpcClientCall.java
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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/grpc/ObservationGrpcServerCall.java
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*
 /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/grpc/ObservationGrpcServerCallListener.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/grpc/DefaultGrpcClientObservationConvention.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/grpc/ObservationGrpcClientCallListener.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/grpc/GrpcClientObservationContext.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/grpc/GrpcServerObservationConvention.java
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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/logging/LoggingMeterRegistry.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/ipc/http/HttpUrlConnectionSender.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/push/PushMeterRegistry.java
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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/StrongReferenceGaugeFunction.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/push/PushRegistryConfig.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/ipc/http/OkHttpSender.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/logging/LoggingRegistryConfig.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/util/NamedThreadFactory.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/kafka/KafkaConsumerMetrics.java
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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/kotlin/KotlinObservationContextElement.java

*
/opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/kotlin/AsContextElement.kt
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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/http/Outcome.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/kafka/KafkaClientMetrics.java
*
/opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/distribution/TimeWindowSum.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/jetty/JettyClientTagsProvider.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/MicrometerHttpClientInterceptor.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/db/JooqExecuteListener.java
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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/config/validate/Validated.java

* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/DefaultUriMapper.java
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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/config/validate/InvalidReason.java
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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/kafka/KafkaStreamsMetrics.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/commonspool2/CommonsObjectPool2Metrics.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/config/validate/ValidationException.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/db/MetricsDSLContext.java
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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/internal/CumulativeHistogramLongTaskTimer.java

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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/grpc/AbstractMetricCollectingInterceptor.java
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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/mongodb/DefaultMongoCommandTagsProvider.java
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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/grpc/MetricCollectingClientInterceptor.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/grpc/MetricCollectingClientCall.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/grpc/MetricCollectingServerCall.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/grpc/package-info.java
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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/observation/DefaultMeterObservationHandler.java
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/opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/kotlin/ObservationCoroutineContextServerInterceptor.kt
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/instrument/binder/jetty/JettyServerThreadPoolMetrics.java
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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/util/internal/logging/LocationAwareSlf4JLogger.java
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* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/util/internal/logging/FormattingTuple.java
* /opt/cola/permits/2440531782_1745999412.3245406/0/micrometer-core-1-13-13-sources-jar/io/micrometer/core/util/internal/logging/MessageFormatter.java

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* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/support/AbstractAnnotationConfigDispatcherServletInitializer.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/ModelAndViewDefiningException.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ResponseBodyAdvice.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/mvc/AbstractController.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/tags/form/AbstractCheckedElementTag.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-

jar/org/springframework/web/servlet/tags/BindErrorsTag.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/HttpServletBean.java
*
 /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/resource/AbstractVersionStrategy.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/view/script/RenderingContext.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/resource/FixedVersionStrategy.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/resource/ResourceTransformerChain.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/tags/TransformTag.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/tags/EscapeBodyTag.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/resource/ResourceResolverChain.java
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 /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/handler/HandlerMethodMappingNamingStrategy.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/View.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/tags/form/AbstractHtmlInputElementTag.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/resource/DefaultResourceResolverChain.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/view/feed/AbstractAtomFeedView.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/resource/DefaultResourceTransformerChain.java
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 /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/tags/NestedPathTag.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/resource/ResourceTransformerSupport.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/tags/form/ValueFormatter.java
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* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/handler/UserRoleAuthorizationInterceptor.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/config/annotation/InterceptorRegistration.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/view/XmlViewResolver.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/function/AsyncServerResponse.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/view/ResourceBundleViewResolver.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/config/annotation/CorsRegistry.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/view/script/ScriptTemplateViewResolver.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ModelAndViewResolverMethodReturnValueHandler.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/view/InternalResourceViewResolver.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ContinuationHandlerMethodArgumentResolver.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/mvc/UrlFilenameViewController.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/view/xslt/XsltViewResolver.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/resource/ResourceUrlProviderExposingInterceptor.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/HandlerMapping.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/support/WebContentGenerator.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/mvc/method/annotation/PrincipalMethodArgumentResolver.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-

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* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/ViewResolver.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/config/annotation/ContentNegotiationConfigurer.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/view/AbstractTemplateViewResolver.java
*
 /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/handler/ConversionServiceExposingInterceptor.java
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* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/tags/form/TagWriter.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/handler/SimpleMappingExceptionResolver.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/handler/MatchableHandlerMapping.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/view/DefaultRequestToViewNameTranslator.java
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* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/config/annotation/EnableWebMvc.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/config/MvcNamespaceHandler.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/tags/form/SelectedValueComparator.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/mvc/method/annotation/RequestBodyAdviceAdapter.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/handler/SimpleServletHandlerAdapter.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/config/annotation/ResourceHandlerRegistry.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/handler/AbstractDetectingUrlHandlerMapping.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/support/JspAwareRequestContext.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/handler/WebRequestHandlerInterceptorAdapter.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/HandlerExecutionChain.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/mvc/method/annotation/RequestResponseBodyAdviceChain.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/config/annotation/ViewResolverRegistry.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/view/groovy/GroovyMarkupViewResolver.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/config/ViewResolversBeanDefinitionParser.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/mvc/Controller.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-

jar/org/springframework/web/servlet/HandlerAdapter.java
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 /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-
jar/org/springframework/web/servlet/config/FreeMarkerConfigurerBeanDefinitionParser.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-
jar/org/springframework/web/servlet/mvc/condition/HeadersRequestCondition.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-
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* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-
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* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-
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jar/org/springframework/web/servlet/mvc/method/annotation/RequestBodyAdvice.java
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 /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-
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/**
* XSLT-driven View that allows for response context to be rendered as the
* result of an XSLT transformation.
*
* <p>The XSLT Source object is supplied as a parameter in the model and then
* {@link #locateSource detected} during response rendering. Users can either specify
* a specific entry in the
 model via the {@link #setSourceKey sourceKey} property or
* have Spring locate the Source object. This class also provides basic conversion
* of objects into Source implementations. See {@link #getSourceTypes() here}
* for more details.
*
* <p>All model parameters are passed to the XSLT Transformer as parameters.
* In addition the user can configure {@link #setOutputProperties output properties}

* to be passed to the Transformer.
*
* @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
*/

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* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/view/script/ScriptTemplateConfig.java
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* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/mvc/method/annotation/SessionAttributeMethodArgumentResolver.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/function/RenderingResponse.java
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* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/config/annotation/DelegatingWebMvcConfiguration.java
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* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/mvc/condition/AbstractRequestCondition.java
* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/mvc/ServletWrappingController.java
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* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/tags/form/AbstractMultiCheckedElementTag.java
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/opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ReactiveTypeHandler.java

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* /opt/cola/permits/2440531796_1745999338.0066452/0/spring-webmvc-6-1-19-sources-jar/org/springframework/web/servlet/tags/form/OptionsTag.java
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/**
* A contract for inspecting and potentially modifying request data values such
* as URL query parameters or form field values before they are rendered by a
* view or before a redirect.
*
* <p>Implementations may use this contract for example as part of a solution
* to provide data integrity, confidentiality,
 protection against cross-site
* request forgery (CSRF), and others or for other tasks such as automatically
* adding a hidden field to all forms and URLs.
*
* <p>View technologies that support this contract can obtain an instance to
* delegate to via {@link RequestContext#getRequestDataValueProcessor()}.
*
* @author Rossen Stoyanchev
* @since 3.1
*/
```

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 /opt/cola/permits/2440531769_1745999414.2397215/0/micrometer-observation-1-13-13-sources-jar/io/micrometer/observation/ObservationPredicate.java
* /opt/cola/permits/2440531769_1745999414.2397215/0/micrometer-observation-1-13-13-sources-jar/io/micrometer/observation/ObservationRegistry.java
* /opt/cola/permits/2440531769_1745999414.2397215/0/micrometer-observation-1-13-13-sources-jar/io/micrometer/observation/docs/ObservationDocumentation.java
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* /opt/cola/permits/2440531769_1745999414.2397215/0/micrometer-observation-1-13-13-sources-jar/io/micrometer/observation/NullObservation.java

1.8569 micrometer-jakarta9 1.13.13

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* /opt/cola/permits/2440531789_1745999384.8498743/0/micrometer-jakarta9-1-13-13-sources-jar/io/micrometer/jakarta9/instrument/jms/DefaultJmsProcessObservationConvention.java
* /opt/cola/permits/2440531789_1745999384.8498743/0/micrometer-jakarta9-1-13-13-sources-jar/io/micrometer/jakarta9/instrument/jms/JmsProcessObservationConvention.java
* /opt/cola/permits/2440531789_1745999384.8498743/0/micrometer-jakarta9-1-13-13-sources-jar/io/micrometer/jakarta9/instrument/jms/MessageConsumerInvocationHandler.java
* /opt/cola/permits/2440531789_1745999384.8498743/0/micrometer-jakarta9-1-13-13-sources-jar/io/micrometer/jakarta9/instrument/jms/MessageProducerInvocationHandler.java
* /opt/cola/permits/2440531789_1745999384.8498743/0/micrometer-jakarta9-1-13-13-sources-jar/io/micrometer/jakarta9/instrument/jms/DefaultJmsPublishObservationConvention.java
* /opt/cola/permits/2440531789_1745999384.8498743/0/micrometer-jakarta9-1-13-13-sources-jar/io/micrometer/jakarta9/instrument/jms/JmsInstrumentation.java
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* /opt/cola/permits/2440531789_1745999384.8498743/0/micrometer-jakarta9-1-13-13-sources-jar/io/micrometer/jakarta9/instrument/jms/SessionInvocationHandler.java
* /opt/cola/permits/2440531789_1745999384.8498743/0/micrometer-jakarta9-1-13-13-sources-jar/io/micrometer/jakarta9/instrument/jms/JmsObservationDocumentation.java
* /opt/cola/permits/2440531789_1745999384.8498743/0/micrometer-jakarta9-1-13-13-sources-jar/io/micrometer/jakarta9/instrument/jms/package-info.java

1.8570 spring-expression 6.1.19

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 /opt/cola/permits/2440531840_1745999334.983106/0/spring-expression-6-1-19-sources-jar/org/springframework/expression/spel/ast/Elvis.java
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* /opt/cola/permits/2440531840_1745999334.983106/0/spring-expression-6-1-19-sources-jar/org/springframework/expression/spel/ast/Ternary.java
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* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/support/DefaultSingletonBeanRegistry.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/support/CglibSubclassingInstantiationStrategy.java
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* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/BeanNameAware.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/propertyeditors/URLEditor.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/NamedBean.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/config/Scope.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/support/ImplicitlyAppearedSingletonException.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/xml/UtilNamespaceHandler.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/propertyeditors/ReaderEditor.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/parsing/SourceExtractor.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/NullValueInNestedPathException.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/propertyeditors/InputStreamEditor.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/propertyeditors/FileEditor.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/BeanInitializationException.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/xml/NamespaceHandlerResolver.java
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 /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/parsing/NullSourceExtractor.java
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* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/xml/BeanDefinitionDecorator.java
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* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/FactoryBeanNotInitializedException.java
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* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/xml/NamespaceHandler.java
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* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/BeanIsAbstractException.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/parsing/PassThroughSourceExtractor.java
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 /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/aot/InstanceSupplierCodeGenerator.java
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```
/**
  * Process the given {@link RegisteredBean} instance ahead-of-time and
  * return a contribution or {@code null}.
  * <p>
  * Processors are free to use any techniques they like to analyze the given
  * instance. Most typically use reflection to find fields or methods to use
  * in the contribution. Contributions
 typically generate source code or
  * resource files that can be used when the AOT optimized application runs.
  * <p>
  * If the given instance isn't relevant to the processor, it should return a
  * {@code null} contribution.
  * @param registeredBean the registered bean to process
  * @return a {@link BeanRegistrationAotContribution} or {@code null}
  */
```

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* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/parsing/AliasDefinition.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/wiring/BeanWiringInfo.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/propertyeditors/PatternEditor.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/BeanWrapper.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/FatalBeanException.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/config/EmbeddedValueResolver.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/xml/AbstractSingleBeanDefinitionParser.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/BeanMetadataAttributeAccessor.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/config/ObjectFactoryCreatingFactoryBean.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/xml/NamespaceHandlerSupport.java
*

/opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/BeanClassLoaderAware.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/propertyeditors/ByteArrayPropertyEditor.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/config/DeprecatedBeanWarner.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/propertyeditors/ClassEditor.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/config/ProviderCreatingFactoryBean.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/config/PropertiesFactoryBean.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/config/ListFactoryBean.java
*
/opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/parsing/Location.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/xml/XmlReaderContext.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/propertyeditors/CharArrayPropertyEditor.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/parsing/ImportDefinition.java
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/propertyeditors/ClassArrayEditor.java
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*/
/**
  * Process the given {@link ConfigurableListableBeanFactory} instance
  * ahead-of-time and return a contribution or {@code null}.
  * <p>Processors are free to use any techniques they like to analyze the given
  * bean factory. Most typically use reflection to find fields or methods to
  * use in the
```

contribution. Contributions typically generate source code or
* resource files that can be used when the AOT optimized application runs.
* <p>If the given bean factory does not contain anything that is relevant to
* the processor, this method should return a {@code null} contribution.
* @param beanFactory the bean factory to process
* @return a {@link BeanFactoryInitializationAotContribution} or {@code null}
*/

Found in path(s):
* /opt/cola/permits/2440531711_1745999383.1019852/0/spring-beans-6-1-19-sources-jar/org/springframework/beans/factory/aot/BeanFactoryInitializationAotProcessor.java

1.8572 postgresql15-contrib 15.11-r0

1.8572.1 Available under license :

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* /opt/cola/permits/2440602495_1747290579.9035592/0/aports-3-21-stable-main-postgresql17-tar-gz/aports-3.21-stable-main-postgresql17/main/postgresql17/czech-snowball-stemmer.patch

1.8573 github.com/nginxinc/nginx-plus-go-client/v2 2.1.0

1.8573.1 Available under license :

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1.8574 github.com/nginxinc/nginx-prometheus-exporter 1.4.0

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1.8575 linux-kernel 6.8.0-58-generic

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1.8576 jetty-session 12.0.19

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* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/CachingSessionDataStore.java
* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/SessionContext.java
* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/JDBCSessionDataStoreFactory.java
* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/ObjectStreamSessionDataStore.java
*
/opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/FileSessionDataStore.java
* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/SessionDataStore.java
* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/AbstractSessionCache.java
* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/AbstractSessionDataStore.java
* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/FileSessionDataStoreFactory.java
* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/SessionManager.java
* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/module-info.java
*
/opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/SessionHandler.java
* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/ManagedSession.java
* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/NullSessionDataStoreFactory.java
* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/AbstractSessionCacheFactory.java
* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-

jar/org/eclipse/jetty/session/UnreadableSessionDataException.java
* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/HouseKeeper.java
* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/DefaultSessionCache.java
* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/SessionIdManager.java
* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/DefaultSessionIdManager.java
* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/AbstractSessionManager.java
* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/DefaultSessionCacheFactory.java
* /opt/cola/permits/2442271453_1746146736.4043891/0/jetty-session-12-0-19-sources-jar/org/eclipse/jetty/session/SessionCache.java

1.8577 jetty-security 12.0.19

1.8577.1 Available under license :

No license file was found, but licenses were detected in source scan.

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// terms of the Eclipse Public License v. 2.0 which is available at
// https://www.eclipse.org/legal/epl-2.0, or the Apache License, Version 2.0

Found in path(s):
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/jaas/JAASUserPrincipal.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/RolePrincipal.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/JDBCLoginService.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/jaas/spi/AbstractDatabaseLoginModule.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/jaas/spi/JDBCLoginModule.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/jaas/callback/ObjectCallback.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/internal/RoleRunAsToken.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/AuthenticationState.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/authentication/DigestAuthenticator.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-

jar/org/eclipse/jetty/security/RoleDelegateUserIdentity.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/SPNEGOUserPrincipal.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/jaas/spi/DataSourceLoginModule.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/module-info.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/jaas/JAASRole.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/jaas/callback/RequestCallback.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/DefaultIdentityService.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/jaas/JAASPrincipal.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/authentication/SslClientCertAuthenticator.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/internal/DeferredAuthenticationState.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/SPNEGOLoginService.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/jaas/spi/package-info.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/DefaultAuthenticatorFactory.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/Authenticator.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/jaas/spi/AbstractLoginModule.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/jaas/spi/LdapLoginModule.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/UserStore.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/ServerAuthException.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/PropertyUserStore.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/SecurityHandler.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/UserIdentity.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/EmptyLoginService.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/IdentityService.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-

jar/org/eclipse/jetty/security/AbstractLoginService.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/UserPrincipal.java
*
 /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/authentication/LoginAuthenticator.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/authentication/SPNEGOAuthenticator.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/jaas/callback/DefaultCallbackHandler.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/HashLoginService.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/package-info.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/LoginService.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/authentication/BasicAuthenticator.java
*
 /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/authentication/package-info.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/jaas/callback/RequestParameterCallback.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/authentication/SessionAuthentication.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/jaas/callback/AbstractCallbackHandler.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/authentication/FormAuthenticator.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/jaas/PropertyUserStoreManager.java
*
 /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/Constraint.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/jaas/callback/package-info.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/jaas/JAASLoginService.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/jaas/spi/PropertyFileLoginModule.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/jaas/package-info.java
* /opt/cola/permits/2442271384_1746146767.2063084/0/jetty-security-12-0-19-sources-jar/org/eclipse/jetty/security/internal/DefaultUserIdentity.java

1.8578 aws-sdk-go 1.55.7

1.8578.1 Available under license :


```
{
 "version": "2.0",
 "service": "<p>With License Manager, you can create user-based subscriptions to utilize licensed software with a per user subscription fee on Amazon EC2 instances.</p>",
 "operations": {
   "AssociateUser": "<p>Associates the user to an EC2 instance to utilize user-based subscriptions.</p> <note> <p>Your estimated bill for charges on the number of users and related costs will take 48 hours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing status) in Amazon Web Services Billing. For more information, see <a href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your monthly charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p> </note>",
   "DeregisterIdentityProvider": "<p>Deregisters the identity provider from providing user-based subscriptions.</p>",
   "DisassociateUser": "<p>Disassociates the user from an EC2 instance providing user-based subscriptions.</p>",
   "ListIdentityProviders":
 "<p>Lists the identity providers for user-based subscriptions.</p>",
   "ListInstances": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
   "ListProductSubscriptions": "<p>Lists the user-based subscription products available from an identity provider.</p>",
   "ListUserAssociations": "<p>Lists user associations for an identity provider.</p>",
   "RegisterIdentityProvider": "<p>Registers an identity provider for user-based subscriptions.</p>",
   "StartProductSubscription": "<p>Starts a product subscription for a user with the specified identity provider.</p> <note> <p>Your estimated bill for charges on the number of users and related costs will take 48 hours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing status) in Amazon Web Services Billing. For more information, see <a href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your monthly charges</a> in the <i>Amazon Web
 Services Billing User Guide</i>.</p> </note>",
   "StopProductSubscription": "<p>Stops a product subscription for a user with the specified identity provider.</p>",
   "UpdateIdentityProviderSettings": "<p>Updates additional product configuration settings for the registered identity provider.</p>"
 },
 "shapes": {
   "AccessDeniedException": {
     "base": "<p>You don't have sufficient access to perform this action.</p>",
     "refs": {
     }
   },
   "ActiveDirectoryIdentityProvider": {
     "base": "<p>Details about an Active Directory identity provider.</p>",
     "refs": {
       "IdentityProvider$ActiveDirectoryIdentityProvider": "<p>An object that details an Active Directory identity provider.</p>"
     }
   },
```

"AssociateUserRequest": {
"base": null,
"refs": {
}
},
"AssociateUserResponse": {
"base": null,
"refs": {
}
},
"BoxInteger": {
"base": null,
"refs": {
"ListIdentityProvidersRequest$MaxResults":
" Maximum number of results to return in a single call. ",
"ListInstancesRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListProductSubscriptionsRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListUserAssociationsRequest$MaxResults": " Maximum number of results to return in a single call. "
}
},
"ConflictException": {
"base": " The request couldn't be completed because it conflicted with the current state of the resource. ",
"refs": {
}
},
"DeregisterIdentityProviderRequest": {
"base": null,
"refs": {
}
},
"DeregisterIdentityProviderResponse": {
"base": null,
"refs": {
}
},
"DisassociateUserRequest": {
"base": null,
"refs": {
}
},
"DisassociateUserResponse": {
"base": null,
"refs": {
}
},
"Filter": {
"base": " A

filter name and value pair that is used to return more specific results from a describe operation. Filters can be used to match a set of resources by specific criteria, such as tags, attributes, or IDs. ",
"refs": {
"FilterList$member": null
}
},
"FilterList": {
"base": null,
"refs": {
"ListInstancesRequest$Filters": " An array of structures that you can use to filter the results to those that match one or more sets of key-value pairs that you specify. ",
"ListProductSubscriptionsRequest$Filters": " An array of structures that you can use to filter the results to those that match one or more sets of key-value pairs that you specify. ",
"ListUserAssociationsRequest$Filters": " An array of structures that you can use to filter the results to those that match one or more sets of key-value pairs that you specify. "
}
},
"IdentityProvider": {
"base": " Details about an identity provider. ",
"refs": {
"AssociateUserRequest$IdentityProvider": " The identity provider of the user. ",
"DeregisterIdentityProviderRequest$IdentityProvider": " An object that specifies details for the identity provider. ",
"DisassociateUserRequest$IdentityProvider": " An object that specifies details for the identity provider. ",
"IdentityProviderSummary$IdentityProvider": " An object that specifies details for the identity provider. ",
"InstanceUserSummary$IdentityProvider": " An object that specifies details for the identity provider. ",
"ListProductSubscriptionsRequest$IdentityProvider": " An object that specifies details for the identity provider. ",
"ListUserAssociationsRequest$IdentityProvider": " An object that specifies details for the identity provider. ",
"ProductUserSummary$IdentityProvider": " An object that specifies details for the identity provider. ",
"RegisterIdentityProviderRequest$IdentityProvider":
" An object that specifies details for the identity provider. ",
"StartProductSubscriptionRequest$IdentityProvider": " An object that specifies details for the identity provider. ",
"StopProductSubscriptionRequest$IdentityProvider": " An object that specifies details for the identity provider. ",
"UpdateIdentityProviderSettingsRequest$IdentityProvider": null
}
},
"IdentityProviderSummary": {
"base": " Describes an identity provider. ",
"refs": {
"DeregisterIdentityProviderResponse$IdentityProviderSummary": " Metadata that describes the results of an identity provider operation. ",
"IdentityProviderSummaryList$member": null,

"RegisterIdentityProviderResponse$IdentityProviderSummary": " Metadata that describes the results of an identity provider operation. ",
"UpdateIdentityProviderSettingsResponse$IdentityProviderSummary": null

}
},
"IdentityProviderSummaryList": {
"base": null,
"refs": {
"ListIdentityProvidersResponse$IdentityProviderSummaries": " Metadata that describes the list identity providers operation. "
}
},
"InstanceSummary": {
"base": " Describes an EC2 instance providing user-based subscriptions. ",
"refs": {
"InstanceSummaryList$member": null
}
},
"InstanceSummaryList": {
"base": null,
"refs": {
"ListInstancesResponse$InstanceSummaries": " Metadata that describes the list instances operation. "
}
},
"InstanceUserSummary": {
"base": " Describes users of an EC2 instance providing user-based subscriptions. ",
"refs": {
"AssociateUserResponse$InstanceUserSummary": " Metadata that describes the associate user operation. ",
"DisassociateUserResponse$InstanceUserSummary": " Metadata that describes the associate user operation. ",

"InstanceUserSummaryList$member": null
}
},
"InstanceUserSummaryList": {
"base": null,
"refs": {
"ListUserAssociationsResponse$InstanceUserSummaries": " Metadata that describes the list user association operation. "
}
},
"InternalServerException": {
"base": " An exception occurred with the service. ",
"refs": {
}
},

"ListIdentityProvidersRequest": {
"base": null,
"refs": {
}
},
"ListIdentityProvidersResponse": {
"base": null,
"refs": {
}
},
"ListInstancesRequest": {
"base": null,
"refs": {
}
},
"ListInstancesResponse": {
"base": null,
"refs": {
}
},
"ListProductSubscriptionsRequest": {
"base": null,
"refs": {
}
},
"ListProductSubscriptionsResponse": {
"base": null,
"refs": {
}
},
"ListUserAssociationsRequest": {
"base": null,
"refs": {
}
},
"ListUserAssociationsResponse": {
"base": null,
"refs": {
}
},
"ProductUserSummary": {
"base": " The summary of the user-based subscription products for a user. ",
"refs": {
"ProductUserSummaryList$member": null,
"StartProductSubscriptionResponse$ProductUserSummary": " Metadata that describes the start product subscription operation. ",
"StopProductSubscriptionResponse$ProductUserSummary": " Metadata that describes the start product subscription operation. "

```
    }
  },
  "ProductUserSummaryList": {
    "base": null,
    "refs": {
      "ListProductSubscriptionsResponse$ProductUserSummaries": "<p>Metadata that describes the list product
subscriptions operation.</p>"
    }
  },
  "RegisterIdentityProviderRequest": {
    "base": null,
    "refs": {
    }
  },
  "RegisterIdentityProviderResponse": {
    "base": null,
    "refs": {
    }
  },
  "ResourceNotFoundException":
 {
    "base": "<p>The resource couldn't be found.</p>",
    "refs": {
    }
  },
  "SecurityGroup": {
    "base": null,
    "refs": {
      "Settings$SecurityGroupId": "<p>A security group ID that allows inbound TCP port 1688 communication
between resources in your VPC and the VPC endpoint for activation servers.</p>",
      "UpdateSettings$SecurityGroupId": "<p>A security group ID that allows inbound TCP port 1688
communication between resources in your VPC and the VPC endpoints for activation servers.</p>"
    }
  },
  "ServiceQuotaExceededException": {
    "base": "<p>The request failed because a service quota is exceeded.</p>",
    "refs": {
    }
  },
  "Settings": {
    "base": "<p>The registered identity providers product related configuration settings such as the subnets to
provision VPC endpoints, and the security group ID that is associated with the VPC endpoints. The security group
should permit inbound TCP port 1688 communication
 from resources in the VPC.</p>",
    "refs": {
      "IdentityProviderSummary$Settings": "<p>An object that details the registered identity providers product
related configuration settings such as the subnets to provision VPC endpoints.</p>",
      "RegisterIdentityProviderRequest$Settings": "<p>The registered identity providers product related
```

configuration settings such as the subnets to provision VPC endpoints. "
    }
  },
  "SettingsSubnetsList": {
    "base": null,
    "refs": {
      "Settings$Subnets": " The subnets defined for the registered identity provider. "
    }
  },
  "StartProductSubscriptionRequest": {
    "base": null,
    "refs": {
    }
  },
  "StartProductSubscriptionResponse": {
    "base": null,
    "refs": {
    }
  },
  "StopProductSubscriptionRequest": {
    "base": null,
    "refs": {
    }
  },
  "StopProductSubscriptionResponse": {
    "base": null,
    "refs": {
    }
  },
  "String":
 {
    "base": null,
    "refs": {
      "AccessDeniedException$message": null,
      "ActiveDirectoryIdentityProvider$DirectoryId": " The directory ID for an Active Directory identity provider. ",
      "AssociateUserRequest$Domain": " The domain name of the user. ",
      "AssociateUserRequest$InstanceId": " The ID of the EC2 instance, which provides user-based subscriptions. ",
      "AssociateUserRequest$Username": " The user name from the identity provider for the user. ",
      "ConflictException$message": null,
      "DeregisterIdentityProviderRequest$Product": " The name of the user-based subscription product. ",
      "DisassociateUserRequest$Domain": " The domain name of the user. ",
      "DisassociateUserRequest$InstanceId": " The ID of the EC2 instance, which provides user-based subscriptions. ",
      "DisassociateUserRequest$Username": " The user name from the identity provider for the user. ",

"Filter$Attribute": " The name of an attribute to use as a filter. ",
"Filter$Operation": " The type of search (For example, eq, geq, leq) ",
"Filter$Value": " Value of the filter. ",
"IdentityProviderSummary$FailureMessage": " The failure message associated with an identity provider. ",
"IdentityProviderSummary$Product": " The name of the user-based subscription product. ",
"IdentityProviderSummary$Status": " The status of an identity provider. ",
"InstanceSummary$InstanceId": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"InstanceSummary$LastStatusCheckDate": " The date of the last status check. ",
"InstanceSummary$Status": " The status of an EC2 instance resource. ",
"InstanceSummary$StatusMessage": " The status message for an EC2 instance. ",
"InstanceUserSummary$AssociationDate": " The date a user was associated with an EC2 instance. ",
"InstanceUserSummary$DisassociationDate": " The date a user was disassociated from an EC2 instance. ",
"InstanceUserSummary$Domain": " The domain name of the user. ",
"InstanceUserSummary$InstanceId": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"InstanceUserSummary$Status": " The status of a user associated with an EC2 instance. ",
"InstanceUserSummary$StatusMessage": " The status message for users of an EC2 instance. ",
"InstanceUserSummary$Username": " The user name from the identity provider for the user. ",
"InternalServerException$message": null,
"ListIdentityProvidersRequest$NextToken": " Token for the next set of results. ",
"ListIdentityProvidersResponse$NextToken": " Token for the next set of results. ",
"ListInstancesRequest$NextToken": " Token for the next set of results. ",
"ListInstancesResponse$NextToken": " Token for the next set of results. ",
"ListProductSubscriptionsRequest$NextToken": " Token for the next set of results. ",
"ListProductSubscriptionsRequest$Product": " The name of the user-based subscription product. ",
"ListProductSubscriptionsResponse$NextToken": " Token for the next set of results. ",
"ListUserAssociationsRequest$InstanceId": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"ListUserAssociationsRequest$NextToken": " Token for the next set of results. ",
"ListUserAssociationsResponse$NextToken": " Token for the next set of results. ",
"ProductUserSummary$Domain": " The domain name of the user. ",
"ProductUserSummary$Product": " The name of the user-based subscription product. ",
"ProductUserSummary$Status": " The status of a product for a user. ",
"ProductUserSummary$StatusMessage": " The status message for a product for a user. ",
"ProductUserSummary$SubscriptionEndDate": " The end date of a subscription. ",
"ProductUserSummary$SubscriptionStartDate": " The start date of a subscription. ",
"ProductUserSummary$Username": " The user name from the identity provider of the user. ",
"RegisterIdentityProviderRequest$Product": " The name of the user-based subscription product. ",
"ResourceNotFoundException$message": null,
"ServiceQuotaExceededException$message": null,
"StartProductSubscriptionRequest$Domain": " The domain name of the user. ",
"StartProductSubscriptionRequest$Product": " The name of the user-based subscription product. ",

"StartProductSubscriptionRequest$Username": " The user name from the identity provider of the user. ",
"StopProductSubscriptionRequest$Domain": " The domain name of the user. ",
"StopProductSubscriptionRequest$Product": " The name of the user-based subscription product. ",
"StopProductSubscriptionRequest$Username": " The user name from the identity provider for the user. ",
"StringList$member": null,
"ThrottlingException$message": null,
"UpdateIdentityProviderSettingsRequest$Product": " The name of the user-based subscription product. ",
"ValidationException$message": null
}
},
"StringList": {
"base": null,
"refs": {
"InstanceSummary$Products": " A list of provided user-based subscription products. "
}
},
"Subnet": {
"base": null,
"refs": {
"SettingsSubnetsList$member": null,
"Subnets$member": null
}
},
"Subnets": {
"base": null,
"refs": {
"UpdateSettings$AddSubnets": " The ID of one or more subnets in which License Manager will create a VPC endpoint for products that require connectivity to activation servers. ",
"UpdateSettings$RemoveSubnets": " The ID of one or more subnets to remove. "
}
},
"ThrottlingException": {
"base": " The request was denied because of request throttling. Retry the request. ",
"refs": {
}
},
"UpdateIdentityProviderSettingsRequest": {
"base": null,
"refs": {
}
},
"UpdateIdentityProviderSettingsResponse": {
"base": null,
"refs": {

```
    }
  },
  "UpdateSettings": {
    "base": "<p>Updates the registered identity providers product related configuration settings such as the subnets to provision VPC endpoints.</p>",
    "refs": {
      "UpdateIdentityProviderSettingsRequest$UpdateSettings": "<p>Updates the registered identity providers product related configuration settings. You can update any combination of settings in a single operation such as the:</p> <ul> <li> <p>Subnets which you want to add to provision VPC endpoints.</p> </li> <li> <p>Subnets which you want to remove the VPC endpoints
 from.</p> </li> <li> <p>Security group ID which permits traffic to the VPC endpoints.</p> </li> </ul>"
    }
  },
  "ValidationException": {
    "base": "<p>A parameter is not valid.</p>",
    "refs": {
    }
  }
 }
}
{
  "version": "1.0",
  "parameters": {
    "Region": {
      "builtIn": "AWS::Region",
      "required": false,
      "documentation": "The AWS region used to dispatch the request.",
      "type": "String"
    },
    "UseDualStack": {
      "builtIn": "AWS::UseDualStack",
      "required": true,
      "default": false,
      "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
      "type": "Boolean"
    },
    "UseFIPS": {
      "builtIn": "AWS::UseFIPS",
      "required": true,
      "default": false,
      "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
      "type": "Boolean"
    },
    "Endpoint": {
```

```
  "builtIn": "SDK::Endpoint",
      "required": false,
      "documentation": "Override the endpoint used to send this request",
      "type": "String"
    }
  },
  "rules": [
    {
      "conditions": [
        {
          "fn": "aws.partition",
          "argv": [
            {
              "ref": "Region"
            }
          ],
          "assign": "PartitionResult"
        }
      ],
      "type": "tree",
      "rules": [
        {
          "conditions": [
            {
              "fn": "isSet",
              "argv": [
                {
                  "ref": "Endpoint"
                }
              ]
            },
            {
              "fn": "parseURL",

             "argv": [
                {
                  "ref": "Endpoint"
                }
              ],
              "assign": "url"
            }
          ],
          "type": "tree",
          "rules": [
            {
              "conditions": [
                {
                  "fn": "booleanEquals",
```

```
                "argv": [
                  {
                    "ref": "UseFIPS"
                  },
                  true
                ]
              }
            ],
            "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
            "type": "error"
          },
          {
            "conditions": [],
            "type": "tree",
            "rules": [
              {
                "conditions": [
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      {
                        "ref": "UseDualStack"
                      },
                      true
                    ]
                  }
                ],
                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                "type": "error"
              },

          {
                "conditions": [],
                "endpoint": {
                  "url": {
                    "ref": "Endpoint"
                  },
                  "properties": {},
                  "headers": {}
                },
                "type": "endpoint"
              }
            ]
          }
        ]
      },
      {
        "conditions": [
```

```
            {
              "fn": "booleanEquals",
              "argv": [
                {
                  "ref": "UseFIPS"
                },
                true
              ]

},
            {
              "fn": "booleanEquals",
              "argv": [
                {
                  "ref": "UseDualStack"
                },
                true
              ]
            }
          ],
          "type": "tree",
          "rules": [
            {
              "conditions": [
                {
                  "fn": "booleanEquals",
                  "argv": [
                    true,
                    {
                      "fn": "getAttr",
                      "argv": [
                        {
                          "ref": "PartitionResult"

},
                        "supportsFIPS"
                      ]
                    }
                  ]
                },
                {
                  "fn": "booleanEquals",
                  "argv": [
                    true,
                    {
                      "fn": "getAttr",
                      "argv": [
                        {
```

```
                "ref": "PartitionResult"
              },
              "supportsDualStack"
            ]
          }
        ]
      }

    ],
      "type": "tree",
      "rules": [
        {
          "conditions": [],
          "endpoint": {
            "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
            "properties": {},
            "headers": {}
          },
          "type": "endpoint"
        }
      ]
    },
    {
      "conditions": [],
      "error": "FIPS and DualStack are enabled, but this partition does not support one or both",
      "type": "error"
    }
  ]
},

{
  "conditions": [
    {
      "fn": "booleanEquals",
      "argv": [
        {
          "ref": "UseFIPS"
        },
        true
      ]
    }
  ],
  "type": "tree",
  "rules": [
    {
      "conditions": [
        {
```

```
                "fn": "booleanEquals",
                "argv": [
                  true,
                  {
                    "fn": "getAttr",
                    "argv": [
                      {
                        "ref": "PartitionResult"
                      },
                      "supportsFIPS"
                    ]
                  }
                ]
              }
            ],
            "type": "tree",
            "rules": [
              {
                "conditions": [],
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
                  "properties": {},
                  "headers": {}
                },
                "type": "endpoint"
              }
            ]
          },
          {

        "conditions": [],
            "error": "FIPS is enabled but this partition does not support FIPS",
            "type": "error"
          }
        ]
        },
        {
          "conditions": [
            {
              "fn": "booleanEquals",
              "argv": [
                {
                  "ref": "UseDualStack"
                },
                true
              ]
            }
```

```
            ],
            "type": "tree",
            "rules": [
              {
                "conditions": [
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      true,

        {
                      "fn": "getAttr",
                      "argv": [
                        {
                          "ref": "PartitionResult"
                        },
                        "supportsDualStack"
                      ]
                    }
                  ]
                }
              ],
              "type": "tree",
              "rules": [
                {
                  "conditions": [],
                  "endpoint": {
                    "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                    "properties": {},

              "headers": {}
                  },
                  "type": "endpoint"
                }
              ]
            },
            {
              "conditions": [],
              "error": "DualStack is enabled but this partition does not support DualStack",
              "type": "error"
            }
          ]
        },
        {
          "conditions": [],
          "endpoint": {
            "url": "https://license-manager-user-subscriptions.{Region}.{PartitionResult#dnsSuffix}",
```

"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
}
]
}
{
"version": "2.0",
"service": " With License Manager, you can discover and track your commercial Linux subscriptions on running Amazon EC2 instances. ",
"operations": {
"DeregisterSubscriptionProvider": " Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions registered to your account. ",
"GetRegisteredSubscriptionProvider": " Get details for a Bring Your Own License (BYOL) subscription that's registered to your account. ",
"GetServiceSettings": " Lists the Linux subscriptions service settings for your account. ",
"ListLinuxSubscriptionInstances": " Lists the running Amazon EC2 instances that were discovered with commercial Linux subscriptions. ",
"ListLinuxSubscriptions": " Lists the Linux subscriptions that have been discovered. If you have linked your organization, the returned results will include data aggregated across your accounts in Organizations. ",
"ListRegisteredSubscriptionProviders":
" List Bring Your Own License (BYOL) subscription registration resources for your account. ",
"ListTagsForResource": " List the metadata tags that are assigned to the specified Amazon Web Services resource. ",
"RegisterSubscriptionProvider": " Register the supported third-party subscription provider for your Bring Your Own License (BYOL) subscription. ",
"TagResource": " Add metadata tags to the specified Amazon Web Services resource. ",
"UntagResource": " Remove one or more metadata tag from the specified Amazon Web Services resource. ",
"UpdateServiceSettings": " Updates the service settings for Linux subscriptions. "
},
"shapes": {
"Boolean": {
"base": null,
"refs": {
"UpdateServiceSettingsRequest$AllowUpdate": " Describes if updates are allowed to the service settings for Linux subscriptions. If you allow updates, you can aggregate Linux subscription data in more than one home Region. "
}
},
"BoxInteger": {
"base": null,
"refs": {
"ListLinuxSubscriptionInstancesRequest$MaxResults": " The maximum items to return in a request. ",
"ListLinuxSubscriptionsRequest$MaxResults": " The maximum items to return in a request. "

```
    }
  },
  "BoxLong": {
    "base": null,
    "refs": {
      "Subscription$InstanceCount": "<p>The total amount of running instances using this subscription.</p>"
    }
  },
  "DeregisterSubscriptionProviderRequest": {
    "base": null,
    "refs": {
    }
  },
  "DeregisterSubscriptionProviderResponse": {
    "base": null,
    "refs": {
    }
  },
  "Filter": {
    "base": "<p>A filter object that is used to return more specific results from a describe operation. Filters can be used to match a set of resources by specific criteria.</p>",
    "refs": {
      "FilterList$member": null
    }
  },
  "FilterList": {
    "base": null,
    "refs": {

  "ListLinuxSubscriptionInstancesRequest$Filters": "<p>An array of structures that you can use to filter the results by your specified criteria. For example, you can specify <code>Region</code> in the <code>Name</code>, with the <code>contains</code> operator to list all subscriptions that match a partial string in the <code>Value</code>, such as <code>us-west</code>.</p> <p>For each filter, you can specify one of the following values for the <code>Name</code> key to streamline results:</p> <ul> <li> <p> <code>AccountID</code> </p> </li> <li> <p> <code>AmiID</code> </p> </li> <li> <p> <code>DualSubscription</code> </p> </li> <li> <p> <code>InstanceID</code> </p> </li> <li> <p> <code>InstanceType</code> </p> </li> <li> <p> <code>ProductCode</code> </p> </li> <li> <p> <code>Region</code> </p> </li> <li> <p> <code>Status</code> </p> </li> <li> <p> <code>UsageOperation</code> </p> </li> </ul> <p>For each filter, you can use one of the following <code>Operator</code> values to define the behavior
 of the filter:</p> <ul> <li> <p> <code>contains</code> </p> </li> <li> <p> <code>equals</code> </p> </li> <li> <p> <code>Notequal</code> </p> </li> </ul>",
      "ListLinuxSubscriptionsRequest$Filters": "<p>An array of structures that you can use to filter the results to those that match one or more sets of key-value pairs that you specify. For example, you can filter by the name of <code>Subscription</code> with an optional operator to see subscriptions that match, partially match, or don't match a certain subscription's name.</p> <p>The valid names for this filter are:</p> <ul> <li> <p> <code>Subscription</code> </p> </li> </ul> <p>The valid Operators for this filter are:</p> <ul> <li> <p> <code>contains</code> </p> </li> <li> <p> <code>equals</code> </p> </li> <li> <p> <code>Notequal</code> </p> </li> </ul>"
```

```
    }
  },
  "GetRegisteredSubscriptionProviderRequest": {
    "base": null,
    "refs": {
    }
  },
  "GetRegisteredSubscriptionProviderResponse": {
     "base": null,
    "refs": {
    }
  },
  "GetServiceSettingsRequest": {
    "base": null,
    "refs": {
    }
  },
  "GetServiceSettingsResponse": {
    "base": null,
    "refs": {
    }
  },
  "Instance": {
    "base": "<p>Details discovered information about a running instance using Linux subscriptions.</p>",
    "refs": {
      "InstanceList$member": null
    }
  },
  "InstanceList": {
    "base": null,
    "refs": {
      "ListLinuxSubscriptionInstancesResponse$Instances": "<p>An array that contains instance objects.</p>"
    }
  },
  "InternalServerException": {
    "base": "<p>An exception occurred with the service.</p>",
    "refs": {
    }
  },
  "LinuxSubscriptionsDiscovery": {
    "base": null,
    "refs": {
      "GetServiceSettingsResponse$LinuxSubscriptionsDiscovery": "<p>Lists if discovery has been enabled for
Linux subscriptions.</p>",
      "UpdateServiceSettingsRequest$LinuxSubscriptionsDiscovery":
 "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
      "UpdateServiceSettingsResponse$LinuxSubscriptionsDiscovery": "<p>Lists if discovery has been enabled for
Linux subscriptions.</p>"
```

}
},
"LinuxSubscriptionsDiscoverySettings": {
"base": " Lists the settings defined for discovering Linux subscriptions. ",
"refs": {
"GetServiceSettingsResponse$LinuxSubscriptionsDiscoverySettings": " Lists the settings defined for Linux subscriptions discovery. The settings include if Organizations integration has been enabled, and which Regions data will be aggregated from. ",
"UpdateServiceSettingsRequest$LinuxSubscriptionsDiscoverySettings": " The settings defined for Linux subscriptions discovery. The settings include if Organizations integration has been enabled, and which Regions data will be aggregated from. ",
"UpdateServiceSettingsResponse$LinuxSubscriptionsDiscoverySettings": " The settings defined for Linux subscriptions discovery. The settings include if Organizations integration has been enabled, and which Regions data will be aggregated from. "
}
},
"ListLinuxSubscriptionInstancesRequest": {
"base": " NextToken length limit is half of ddb accepted limit. Increase this limit if parameters in request increases. ",
"refs": {
}
},
"ListLinuxSubscriptionInstancesRequestNextTokenString": {
"base": null,
"refs": {
"ListLinuxSubscriptionInstancesRequest$NextToken": " A token to specify where to start paginating. This is the nextToken from a previously truncated response. "
}
},
"ListLinuxSubscriptionInstancesResponse": {
"base": null,
"refs": {
}
},
"ListLinuxSubscriptionsRequest": {
"base": " NextToken length limit is half of ddb accepted limit. Increase this limit if parameters in request increases. ",
"refs": {
}
},
"ListLinuxSubscriptionsRequestNextTokenString":
{
"base": null,
"refs": {
"ListLinuxSubscriptionsRequest$NextToken": " A token to specify where to start paginating. This is the nextToken from a previously truncated response. "
}
},

"ListLinuxSubscriptionsResponse": {
"base": null,
"refs": {
}
},
"ListRegisteredSubscriptionProvidersRequest": {
"base": null,
"refs": {
}
},
"ListRegisteredSubscriptionProvidersRequestMaxResultsInteger": {
"base": null,
"refs": {
"ListRegisteredSubscriptionProvidersRequest$MaxResults": " The maximum items to return in a request. "
}
},
"ListRegisteredSubscriptionProvidersResponse": {
"base": null,
"refs": {
}
},
"ListTagsForResourceRequest": {
"base": null,
"refs": {
}
},
"ListTagsForResourceResponse": {
"base": null,
"refs": {
}
},
"Operator": {
"base": null,
"refs":
{
"Filter$Operator": " An operator for filtering results. "
}
},
"OrganizationIntegration": {
"base": null,
"refs": {
"LinuxSubscriptionsDiscoverySettings$OrganizationIntegration": " Details if you have enabled resource discovery across your accounts in Organizations. "
}
},
"ProductCodeList": {
"base": null,

"refs": {
"Instance$ProductCode": " The product code for the instance. For more information, see Usage operation values in the License Manager User Guide . "
}
},
"RegisterSubscriptionProviderRequest": {
"base": null,
"refs": {
}
},
"RegisterSubscriptionProviderResponse": {
"base": null,
"refs": {
}
},
"RegisteredSubscriptionProvider": {
"base": " A third-party provider for operating system (OS) platform software and license subscriptions, such as Red Hat. When you register a third-party Linux subscription provider, License Manager can get subscription data from the registered provider. ",
"refs": {
"RegisteredSubscriptionProviderList$member": null
}
},
"RegisteredSubscriptionProviderList": {
"base": null,
"refs": {
"ListRegisteredSubscriptionProvidersResponse$RegisteredSubscriptionProviders": " The list of BYOL registration resources that fit the criteria you specified in the request. "
}
},
"ResourceNotFoundException": {
"base": " Unable to find the requested Amazon Web Services resource. ",
"refs": {
}
},
"SecretArn": {
"base": null,
"refs": {
"GetRegisteredSubscriptionProviderResponse$SecretArn": " The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL registration resource specified in the request. ",
"RegisterSubscriptionProviderRequest$SecretArn": " The Amazon Resource Name (ARN) of the secret where you've stored your subscription provider's access token. For RHEL subscriptions managed through the Red Hat Subscription Manager (RHSM), the secret contains your Red Hat Offline token. ",
"RegisteredSubscriptionProvider$SecretArn": " The Amazon Resource Name (ARN) of the Secrets Manager secret that stores your registered Linux subscription provider access token. For RHEL account subscriptions, this is the offline token. "

}
},
"Status": {
"base": null,
"refs": {
"GetServiceSettingsResponse$Status": " Indicates the status of Linux subscriptions settings being applied. ",
"UpdateServiceSettingsResponse$Status": " Indicates the status of Linux subscriptions settings being applied. "
}
},
"String": {
"base": null,
"refs": {
"Filter$Name": " The type of name to filter by. ",
"GetRegisteredSubscriptionProviderResponse$LastSuccessfulDataRetrievalTime": " The timestamp from the last time License Manager retrieved subscription details from your registered third-party Linux subscription provider. ",
"GetRegisteredSubscriptionProviderResponse$SubscriptionProviderStatusMessage": " The detailed message from your subscription provider token status. ",
"Instance$AccountID": " The account ID which owns the instance. ",
"Instance$AmiId": " The AMI ID used to launch the instance. ",
"Instance$DualSubscription": " Indicates that you have two different license subscriptions for the same software on your instance. ",
"Instance$InstanceID": " The instance ID of the resource. ",
"Instance$InstanceType": " The instance type of the resource. ",
"Instance$LastUpdatedTime": " The time in which the last discovery updated the instance details. ",
"Instance$OsVersion":
" The operating system software version that runs on your instance. ",
"Instance$Region": " The Region the instance is running in. ",
"Instance$RegisteredWithSubscriptionProvider": " Indicates that your instance uses a BYOL license subscription from a third-party Linux subscription provider that you've registered with License Manager. ",
"Instance$Status": " The status of the instance. ",
"Instance$SubscriptionName": " The name of the license subscription that the instance uses. ",
"Instance$SubscriptionProviderCreateTime": " The timestamp when you registered the third-party Linux subscription provider for the subscription that the instance uses. ",
"Instance$SubscriptionProviderUpdateTime": " The timestamp from the last time that the instance synced with the registered third-party Linux subscription provider. ",
"Instance$UsageOperation": " The usage operation of the instance. For more information,
see For more information, see Usage operation values in the License Manager User Guide. ",
"InternalServerException$message": null,
"ListLinuxSubscriptionInstancesResponse$NextToken": " The next token used for paginated responses. When this field isn't empty, there are additional elements that the service hasn't included in this request. Use this token with the next request to retrieve additional objects. ",
"ListLinuxSubscriptionsResponse$NextToken": " The next token used for paginated responses. When this field isn't empty, there are additional elements that the service hasn't included in this request. Use this token with the

next request to retrieve additional objects. ",
"ListRegisteredSubscriptionProvidersRequest$NextToken": " A token to specify where to start paginating. This is the nextToken from a
previously truncated response. ",
"ListRegisteredSubscriptionProvidersResponse$NextToken": " The next token used for paginated responses. When this field isn't empty, there are additional elements that the service hasn't included in this request. Use this token with the next request to retrieve additional objects. ",
"ProductCodeList$member": null,
"RegisterSubscriptionProviderResponse$SubscriptionProviderArn": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. ",
"RegisteredSubscriptionProvider$LastSuccessfulDataRetrievalTime": " The timestamp from the last time that License Manager accessed third-party subscription data for your account from your registered Linux subscription provider. ",
"RegisteredSubscriptionProvider$SubscriptionProviderStatusMessage": " A detailed message that's associated with your BYOL subscription provider token status. ",
"ResourceNotFoundException$message":
null,
"StringMap$key": null,
"StringMap$value": null,
"Subscription$Name": " The name of the subscription. ",
"Subscription$Type": " The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS. ",
"TagKeyList$member": null,
"Tags$key": null,
"Tags$value": null,
"ThrottlingException$message": null,
"ValidationException$message": null
}
},
"StringList": {
"base": null,
"refs": {
"Filter$Values": " One or more values for the name to filter by. ",
"GetServiceSettingsResponse$HomeRegions": " The Region in which License Manager displays the aggregated data for Linux subscriptions. ",
"LinuxSubscriptionsDiscoverySettings$SourceRegions":
" The Regions in which to discover data for Linux subscriptions. ",
"UpdateServiceSettingsResponse$HomeRegions": " The Region in which License Manager displays the aggregated data for Linux subscriptions. "
}
},
"StringListMemberString": {
"base": null,
"refs": {
"StringList$member": null
}

},
"StringMap": {
"base": null,
"refs": {
"GetServiceSettingsResponse$StatusMessage": " A message which details the Linux subscriptions service settings current status. ",
"UpdateServiceSettingsResponse$StatusMessage": " A message which details the Linux subscriptions service settings current status. "
}
},
"Subscription": {
"base": " An object which details a discovered Linux subscription. ",
"refs": {
"SubscriptionList$member": null
}
},
"SubscriptionList": {
"base": null,
"refs": {
"ListLinuxSubscriptionsResponse$Subscriptions": " An array that contains subscription objects. "
}
},
"SubscriptionProviderArn": {
"base": null,
"refs": {
"DeregisterSubscriptionProviderRequest$SubscriptionProviderArn": " The Amazon Resource Name (ARN) of the subscription provider resource to deregister. ",
"GetRegisteredSubscriptionProviderRequest$SubscriptionProviderArn": " The Amazon Resource Name (ARN) of the BYOL registration resource to get details for. ",
"GetRegisteredSubscriptionProviderResponse$SubscriptionProviderArn": " The Amazon Resource Name (ARN) for the BYOL registration resource specified in the request. ",
"ListTagsForResourceRequest$resourceArn": " The Amazon Resource Name (ARN) of the resource for which to list metadata tags. ",
"RegisteredSubscriptionProvider$SubscriptionProviderArn": " The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered. ",
"TagResourceRequest$resourceArn": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to which to add the specified metadata tags. ",
"UntagResourceRequest$resourceArn": " The Amazon Resource Name (ARN) of the Amazon Web Services resource to remove the metadata tags from. "
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provider to register. ",
"RegisterSubscriptionProviderResponse$SubscriptionProviderSource": " The Linux subscription provider that you registered. ",
"RegisteredSubscriptionProvider$SubscriptionProviderSource": " A supported third-party Linux subscription provider. License
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AWS SDK for Go

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  "name":"ListLicenseConversionTasks",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListLicenseConversionTasksRequest"},
  "output":{"shape":"ListLicenseConversionTasksResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ]
},
"ListLicenseManagerReportGenerators":{
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"http":{
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},
"input":{"shape":"ListLicenseManagerReportGeneratorsRequest"},
"output":{"shape":"ListLicenseManagerReportGeneratorsResponse"},
"errors":[
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{"shape":"InvalidParameterValueException"},
{"shape":"ResourceLimitExceededException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"RateLimitExceededException"},
{"shape":"AccessDeniedException"},
{"shape":"ResourceNotFoundException"}
]
},
"ListLicenseSpecificationsForResource":{
"name":"ListLicenseSpecificationsForResource",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"ListLicenseSpecificationsForResourceRequest"},
"output":{"shape":"ListLicenseSpecificationsForResourceResponse"},
"errors":[
{"shape":"InvalidParameterValueException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}
]
},
"ListLicenseVersions":{
"name":"ListLicenseVersions",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"ListLicenseVersionsRequest"},
"output":{"shape":"ListLicenseVersionsResponse"},
"errors":[
{"shape":"InvalidParameterValueException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"},
{"shape":"ServerInternalException"}

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  ]
},
"ListLicenses":{
  "name":"ListLicenses",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListLicensesRequest"},
  "output":{"shape":"ListLicensesResponse"},
  "errors":[
    {"shape":"ValidationException"},

    {"shape":"InvalidParameterValueException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"},
    {"shape":"ServerInternalException"}
  ]
},
"ListReceivedGrants":{
  "name":"ListReceivedGrants",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListReceivedGrantsRequest"},
  "output":{"shape":"ListReceivedGrantsResponse"},
  "errors":[
    {"shape":"ValidationException"},
    {"shape":"InvalidParameterValueException"},
    {"shape":"ResourceLimitExceededException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ]
},
"ListReceivedGrantsForOrganization":{
  "name":"ListReceivedGrantsForOrganization",
  "http":{
    "method":"POST",
    "requestUri":"/"
   },
  "input":{"shape":"ListReceivedGrantsForOrganizationRequest"},
  "output":{"shape":"ListReceivedGrantsForOrganizationResponse"},
  "errors":[
    {"shape":"ValidationException"},
```

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    {"shape":"InvalidParameterValueException"},
    {"shape":"ResourceLimitExceededException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ]
},
"ListReceivedLicenses":{
  "name":"ListReceivedLicenses",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListReceivedLicensesRequest"},
  "output":{"shape":"ListReceivedLicensesResponse"},
  "errors":[
    {"shape":"ValidationException"},
    {"shape":"InvalidParameterValueException"},
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    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
     {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ]
},
"ListReceivedLicensesForOrganization":{
  "name":"ListReceivedLicensesForOrganization",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListReceivedLicensesForOrganizationRequest"},
  "output":{"shape":"ListReceivedLicensesForOrganizationResponse"},
  "errors":[
    {"shape":"ValidationException"},
    {"shape":"InvalidParameterValueException"},
    {"shape":"ResourceLimitExceededException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ]
},
"ListResourceInventory":{
  "name":"ListResourceInventory",
  "http":{
    "method":"POST",
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"requestUri":"/"
},
"input":{"shape":"ListResourceInventoryRequest"},
"output":{"shape":"ListResourceInventoryResponse"},
"errors":[
{"shape":"InvalidParameterValueException"},
{"shape":"ServerInternalException"},
{"shape":"FilterLimitExceededException"},
{"shape":"FailedDependencyException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}
]
},
"ListTagsForResource":{
"name":"ListTagsForResource",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"ListTagsForResourceRequest"},
"output":{"shape":"ListTagsForResourceResponse"},
"errors":[
{"shape":"InvalidParameterValueException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}
]
},
"ListTokens":{
"name":"ListTokens",
"http":{
"method":"POST",

"requestUri":"/"
},
"input":{"shape":"ListTokensRequest"},
"output":{"shape":"ListTokensResponse"},
"errors":[
{"shape":"ValidationException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"},
{"shape":"ServerInternalException"}
]
},
"ListUsageForLicenseConfiguration":{

"name":"ListUsageForLicenseConfiguration",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"ListUsageForLicenseConfigurationRequest"},
"output":{"shape":"ListUsageForLicenseConfigurationResponse"},
"errors":[
{"shape":"InvalidParameterValueException"},
{"shape":"FilterLimitExceededException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}
]
},
"RejectGrant":{
"name":"RejectGrant",
"http":{
"method":"POST",
"requestUri":"/"
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"input":{"shape":"RejectGrantRequest"},
"output":{"shape":"RejectGrantResponse"},
"errors":[
{"shape":"ValidationException"},
{"shape":"InvalidParameterValueException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"},
{"shape":"ResourceLimitExceededException"},
{"shape":"ServerInternalException"}
]
},
"TagResource":{
"name":"TagResource",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"TagResourceRequest"},
"output":{"shape":"TagResourceResponse"},
"errors":[
{"shape":"InvalidParameterValueException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}

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    ]
  },
  "UntagResource":{
    "name":"UntagResource",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"UntagResourceRequest"},
    "output":{"shape":"UntagResourceResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ]
  },
  "UpdateLicenseConfiguration":{
    "name":"UpdateLicenseConfiguration",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"UpdateLicenseConfigurationRequest"},
    "output":{"shape":"UpdateLicenseConfigurationResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
       {"shape":"RateLimitExceededException"},
      {"shape":"ResourceLimitExceededException"}
    ]
  },
  "UpdateLicenseManagerReportGenerator":{
    "name":"UpdateLicenseManagerReportGenerator",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"UpdateLicenseManagerReportGeneratorRequest"},
    "output":{"shape":"UpdateLicenseManagerReportGeneratorResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
      {"shape":"RateLimitExceededException"},
      {"shape":"ServerInternalException"},
```

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      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"ResourceNotFoundException"},
      {"shape":"ResourceLimitExceededException"}
    ]
  },
  "UpdateLicenseSpecificationsForResource":{
    "name":"UpdateLicenseSpecificationsForResource",
    "http":{
      "method":"POST",
      "requestUri":"/"

  },
    "input":{"shape":"UpdateLicenseSpecificationsForResourceRequest"},
    "output":{"shape":"UpdateLicenseSpecificationsForResourceResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"InvalidResourceStateException"},
      {"shape":"LicenseUsageException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ]
  },
  "UpdateServiceSettings":{
    "name":"UpdateServiceSettings",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"UpdateServiceSettingsRequest"},
    "output":{"shape":"UpdateServiceSettingsResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
     ]
  }
},
"shapes":{
  "AcceptGrantRequest":{
    "type":"structure",
    "required":["GrantArn"],
    "members":{
      "GrantArn":{"shape":"Arn"}
```

```
    }
  },
  "AcceptGrantResponse":{
    "type":"structure",
    "members":{
      "GrantArn":{"shape":"Arn"},
      "Status":{"shape":"GrantStatus"},
      "Version":{"shape":"String"}
    }
  },
  "AccessDeniedException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}
    },
    "exception":true
  },
  "ActivationOverrideBehavior":{
    "type":"string",
    "enum":[
      "DISTRIBUTED_GRANTS_ONLY",
      "ALL_GRANTS_PERMITTED_BY_ISSUER"
    ]
  },
  "AllowedOperation":{
    "type":"string",
    "enum":[
      "CreateGrant",
      "CheckoutLicense",
      "CheckoutBorrowLicense",
      "CheckInLicense",
      "ExtendConsumptionLicense",
      "ListPurchasedLicenses",
      "CreateToken"
    ]
  },
  "AllowedOperationList":{
     "type":"list",
    "member":{"shape":"AllowedOperation"},
    "max":7,
    "min":1
  },
  "Arn":{
    "type":"string",
    "max":2048,
    "pattern":"^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
  },
```

"ArnList":{
  "type":"list",
  "member":{"shape":"Arn"}
},
"AuthorizationException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
  "exception":true
},
"AutomatedDiscoveryInformation":{
  "type":"structure",
  "members":{
    "LastRunTime":{"shape":"DateTime"}
  }
},
"Boolean":{"type":"boolean"},
"BorrowConfiguration":{
  "type":"structure",
  "required":[
    "AllowEarlyCheckIn",
    "MaxTimeToLiveInMinutes"
  ],
  "members":{
    "AllowEarlyCheckIn":{"shape":"BoxBoolean"},
    "MaxTimeToLiveInMinutes":{"shape":"BoxInteger"}
   }
},
"BoxBoolean":{"type":"boolean"},
"BoxInteger":{"type":"integer"},
"BoxLong":{"type":"long"},
"CheckInLicenseRequest":{
  "type":"structure",
  "required":["LicenseConsumptionToken"],
  "members":{
    "LicenseConsumptionToken":{"shape":"String"},
    "Beneficiary":{"shape":"String"}
  }
},
"CheckInLicenseResponse":{
  "type":"structure",
  "members":{
  }
},
"CheckoutBorrowLicenseRequest":{
  "type":"structure",
  "required":[

"LicenseArn",
"Entitlements",
"DigitalSignatureMethod",
"ClientToken"
],
"members":{
"LicenseArn":{"shape":"Arn"},
"Entitlements":{"shape":"EntitlementDataList"},
"DigitalSignatureMethod":{"shape":"DigitalSignatureMethod"},
"NodeId":{"shape":"String"},
"CheckoutMetadata":{"shape":"MetadataList"},
"ClientToken":{"shape":"ClientToken"}
}
},

"CheckoutBorrowLicenseResponse":{
"type":"structure",
"members":{
"LicenseArn":{"shape":"Arn"},
"LicenseConsumptionToken":{"shape":"String"},
"EntitlementsAllowed":{"shape":"EntitlementDataList"},
"NodeId":{"shape":"String"},
"SignedToken":{"shape":"SignedToken"},
"IssuedAt":{"shape":"ISO8601DateTime"},
"Expiration":{"shape":"ISO8601DateTime"},
"CheckoutMetadata":{"shape":"MetadataList"}
}
},
"CheckoutLicenseRequest":{
"type":"structure",
"required":[
"ProductSKU",
"CheckoutType",
"KeyFingerprint",
"Entitlements",
"ClientToken"
],
"members":{
"ProductSKU":{"shape":"String"},
"CheckoutType":{"shape":"CheckoutType"},
"KeyFingerprint":{"shape":"String"},
"Entitlements":{"shape":"EntitlementDataList"},
"ClientToken":{"shape":"ClientToken"},
"Beneficiary":{"shape":"String"},
"NodeId":{"shape":"String"}
}
},
"CheckoutLicenseResponse":{

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  "type":"structure",
  "members":{
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    "LicenseConsumptionToken":{"shape":"String"},
    "EntitlementsAllowed":{"shape":"EntitlementDataList"},
    "SignedToken":{"shape":"SignedToken"},
    "NodeId":{"shape":"String"},
    "IssuedAt":{"shape":"ISO8601DateTime"},
    "Expiration":{"shape":"ISO8601DateTime"},
    "LicenseArn":{"shape":"String"}
  }
},
"CheckoutType":{
  "type":"string",
  "enum":[
    "PROVISIONAL",
    "PERPETUAL"
  ]
},
"ClientRequestToken":{
  "type":"string",
  "max":36,
  "min":1
},
"ClientToken":{
  "type":"string",
  "max":2048,
  "pattern":"\\S+"
},
"ConflictException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
  "exception":true
},
"ConsumedLicenseSummary":{
  "type":"structure",
   "members":{
    "ResourceType":{"shape":"ResourceType"},
    "ConsumedLicenses":{"shape":"BoxLong"}
  }
},
"ConsumedLicenseSummaryList":{
  "type":"list",
  "member":{"shape":"ConsumedLicenseSummary"}
},
"ConsumptionConfiguration":{
```

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  "type":"structure",
  "members":{
    "RenewType":{"shape":"RenewType"},
    "ProvisionalConfiguration":{"shape":"ProvisionalConfiguration"},
    "BorrowConfiguration":{"shape":"BorrowConfiguration"}
  }
},
"CreateGrantRequest":{
  "type":"structure",
  "required":[
    "ClientToken",
    "GrantName",
    "LicenseArn",
    "Principals",
    "HomeRegion",
    "AllowedOperations"
  ],
  "members":{
    "ClientToken":{"shape":"ClientToken"},
    "GrantName":{"shape":"String"},
    "LicenseArn":{"shape":"Arn"},
    "Principals":{"shape":"PrincipalArnList"},
    "HomeRegion":{"shape":"String"},
    "AllowedOperations":{"shape":"AllowedOperationList"}
   }
},
"CreateGrantResponse":{
  "type":"structure",
  "members":{
    "GrantArn":{"shape":"Arn"},
    "Status":{"shape":"GrantStatus"},
    "Version":{"shape":"String"}
  }
},
"CreateGrantVersionRequest":{
  "type":"structure",
  "required":[
    "ClientToken",
    "GrantArn"
  ],
  "members":{
    "ClientToken":{"shape":"ClientToken"},
    "GrantArn":{"shape":"Arn"},
    "GrantName":{"shape":"String"},
    "AllowedOperations":{"shape":"AllowedOperationList"},
    "Status":{"shape":"GrantStatus"},
    "StatusReason":{"shape":"StatusReasonMessage"},
    "SourceVersion":{"shape":"String"},
```

```
    "Options":{"shape":"Options"}
  }
},
"CreateGrantVersionResponse":{
  "type":"structure",
  "members":{
    "GrantArn":{"shape":"Arn"},
    "Status":{"shape":"GrantStatus"},
    "Version":{"shape":"String"}
  }
},
"CreateLicenseConfigurationRequest":{
   "type":"structure",
  "required":[
    "Name",
    "LicenseCountingType"
  ],
  "members":{
    "Name":{"shape":"String"},
    "Description":{"shape":"String"},
    "LicenseCountingType":{"shape":"LicenseCountingType"},
    "LicenseCount":{"shape":"BoxLong"},
    "LicenseCountHardLimit":{"shape":"BoxBoolean"},
    "LicenseRules":{"shape":"StringList"},
    "Tags":{"shape":"TagList"},
    "DisassociateWhenNotFound":{"shape":"BoxBoolean"},
    "ProductInformationList":{"shape":"ProductInformationList"}
  }
},
"CreateLicenseConfigurationResponse":{
  "type":"structure",
  "members":{
    "LicenseConfigurationArn":{"shape":"String"}
  }
},
"CreateLicenseConversionTaskForResourceRequest":{
  "type":"structure",
  "required":[
    "ResourceArn",
    "SourceLicenseContext",
    "DestinationLicenseContext"
  ],
  "members":{
    "ResourceArn":{"shape":"Arn"},
     "SourceLicenseContext":{"shape":"LicenseConversionContext"},
    "DestinationLicenseContext":{"shape":"LicenseConversionContext"}
  }
},
```

"CreateLicenseConversionTaskForResourceResponse":{
  "type":"structure",
  "members":{
    "LicenseConversionTaskId":{"shape":"LicenseConversionTaskId"}
  }
},
"CreateLicenseManagerReportGeneratorRequest":{
  "type":"structure",
  "required":[
    "ReportGeneratorName",
    "Type",
    "ReportContext",
    "ReportFrequency",
    "ClientToken"
  ],
  "members":{
    "ReportGeneratorName":{"shape":"ReportGeneratorName"},
    "Type":{"shape":"ReportTypeList"},
    "ReportContext":{"shape":"ReportContext"},
    "ReportFrequency":{"shape":"ReportFrequency"},
    "ClientToken":{"shape":"ClientRequestToken"},
    "Description":{"shape":"String"},
    "Tags":{"shape":"TagList"}
  }
},
"CreateLicenseManagerReportGeneratorResponse":{
   "type":"structure",
  "members":{
    "LicenseManagerReportGeneratorArn":{"shape":"String"}
  }
},
"CreateLicenseRequest":{
  "type":"structure",
  "required":[
    "LicenseName",
    "ProductName",
    "ProductSKU",
    "Issuer",
    "HomeRegion",
    "Validity",
    "Entitlements",
    "Beneficiary",
    "ConsumptionConfiguration",
    "ClientToken"
  ],
  "members":{
    "LicenseName":{"shape":"String"},
    "ProductName":{"shape":"String"},

"ProductSKU":{"shape":"String"},
"Issuer":{"shape":"Issuer"},
"HomeRegion":{"shape":"String"},
"Validity":{"shape":"DatetimeRange"},
"Entitlements":{"shape":"EntitlementList"},
"Beneficiary":{"shape":"String"},
"ConsumptionConfiguration":{"shape":"ConsumptionConfiguration"},
"LicenseMetadata":{"shape":"MetadataList"},
"ClientToken":{"shape":"ClientToken"}

}
},
"CreateLicenseResponse":{
"type":"structure",
"members":{
"LicenseArn":{"shape":"Arn"},
"Status":{"shape":"LicenseStatus"},
"Version":{"shape":"String"}
}
},
"CreateLicenseVersionRequest":{
"type":"structure",
"required":[
"LicenseArn",
"LicenseName",
"ProductName",
"Issuer",
"HomeRegion",
"Validity",
"Entitlements",
"ConsumptionConfiguration",
"Status",
"ClientToken"
],
"members":{
"LicenseArn":{"shape":"Arn"},
"LicenseName":{"shape":"String"},
"ProductName":{"shape":"String"},
"Issuer":{"shape":"Issuer"},
"HomeRegion":{"shape":"String"},
"Validity":{"shape":"DatetimeRange"},
"LicenseMetadata":{"shape":"MetadataList"},
"Entitlements":{"shape":"EntitlementList"},
"ConsumptionConfiguration":{"shape":"ConsumptionConfiguration"},
"Status":{"shape":"LicenseStatus"},
"ClientToken":{"shape":"ClientToken"},
"SourceVersion":{"shape":"String"}
}

```
},
"CreateLicenseVersionResponse":{
  "type":"structure",
  "members":{
    "LicenseArn":{"shape":"Arn"},
    "Version":{"shape":"String"},
    "Status":{"shape":"LicenseStatus"}
  }
},
"CreateTokenRequest":{
  "type":"structure",
  "required":[
    "LicenseArn",
    "ClientToken"
  ],
  "members":{
    "LicenseArn":{"shape":"Arn"},
    "RoleArns":{"shape":"ArnList"},
    "ExpirationInDays":{"shape":"Integer"},
    "TokenProperties":{"shape":"MaxSize3StringList"},
    "ClientToken":{"shape":"ClientToken"}
  }
},
"CreateTokenResponse":{
  "type":"structure",
  "members":{
    "TokenId":{"shape":"String"},
    "TokenType":{"shape":"TokenType"},
    "Token":{"shape":"TokenString"}
  }
},
"DateTime":{"type":"timestamp"},
"DatetimeRange":{

"type":"structure",
  "required":["Begin"],
  "members":{
    "Begin":{"shape":"ISO8601DateTime"},
    "End":{"shape":"ISO8601DateTime"}
  }
},
"DeleteGrantRequest":{
  "type":"structure",
  "required":[
    "GrantArn",
    "Version"
  ],
  "members":{
```

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    "GrantArn":{"shape":"Arn"},
    "StatusReason":{"shape":"StatusReasonMessage"},
    "Version":{"shape":"String"}
  }
},
"DeleteGrantResponse":{
  "type":"structure",
  "members":{
    "GrantArn":{"shape":"Arn"},
    "Status":{"shape":"GrantStatus"},
    "Version":{"shape":"String"}
  }
},
"DeleteLicenseConfigurationRequest":{
  "type":"structure",
  "required":["LicenseConfigurationArn"],
  "members":{
    "LicenseConfigurationArn":{"shape":"String"}
  }
},
"DeleteLicenseConfigurationResponse":{
  "type":"structure",
  "members":{
  }
},
"DeleteLicenseManagerReportGeneratorRequest":{
   "type":"structure",
  "required":["LicenseManagerReportGeneratorArn"],
  "members":{
    "LicenseManagerReportGeneratorArn":{"shape":"String"}
  }
},
"DeleteLicenseManagerReportGeneratorResponse":{
  "type":"structure",
  "members":{
  }
},
"DeleteLicenseRequest":{
  "type":"structure",
  "required":[
    "LicenseArn",
    "SourceVersion"
  ],
  "members":{
    "LicenseArn":{"shape":"Arn"},
    "SourceVersion":{"shape":"String"}
  }
},
```

"DeleteLicenseResponse":{
  "type":"structure",
  "members":{
    "Status":{"shape":"LicenseDeletionStatus"},
    "DeletionDate":{"shape":"ISO8601DateTime"}
  }
},
"DeleteTokenRequest":{
  "type":"structure",
  "required":["TokenId"],
  "members":{
    "TokenId":{"shape":"String"}
  }
},
"DeleteTokenResponse":{
  "type":"structure",
  "members":{
  }
},
"DigitalSignatureMethod":{

  "type":"string",
  "enum":["JWT_PS384"]
},
"Entitlement":{
  "type":"structure",
  "required":[
    "Name",
    "Unit"
  ],
  "members":{
    "Name":{"shape":"String"},
    "Value":{"shape":"String"},
    "MaxCount":{"shape":"Long"},
    "Overage":{"shape":"BoxBoolean"},
    "Unit":{"shape":"EntitlementUnit"},
    "AllowCheckIn":{"shape":"BoxBoolean"}
  }
},
"EntitlementData":{
  "type":"structure",
  "required":[
    "Name",
    "Unit"
  ],
  "members":{
    "Name":{"shape":"String"},
    "Value":{"shape":"String"},

```
    "Unit":{"shape":"EntitlementDataUnit"}
  }
},
"EntitlementDataList":{
  "type":"list",
  "member":{"shape":"EntitlementData"}
},
"EntitlementDataUnit":{
  "type":"string",
  "enum":[
    "Count",
    "None",
    "Seconds",
    "Microseconds",
    "Milliseconds",
    "Bytes",
    "Kilobytes",

  "Megabytes",
    "Gigabytes",
    "Terabytes",
    "Bits",
    "Kilobits",
    "Megabits",
    "Gigabits",
    "Terabits",
    "Percent",
    "Bytes/Second",
    "Kilobytes/Second",
    "Megabytes/Second",
    "Gigabytes/Second",
    "Terabytes/Second",
    "Bits/Second",
    "Kilobits/Second",
    "Megabits/Second",
    "Gigabits/Second",
    "Terabits/Second",
    "Count/Second"
  ]
},
"EntitlementList":{
  "type":"list",
  "member":{"shape":"Entitlement"}
},
"EntitlementNotAllowedException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
```

```
    },
    "exception":true
  },
  "EntitlementUnit":{
    "type":"string",
    "enum":[
      "Count",
      "None",
      "Seconds",
      "Microseconds",
      "Milliseconds",
      "Bytes",
      "Kilobytes",
      "Megabytes",
      "Gigabytes",
      "Terabytes",

"Bits",
      "Kilobits",
      "Megabits",
      "Gigabits",
      "Terabits",
      "Percent",
      "Bytes/Second",
      "Kilobytes/Second",
      "Megabytes/Second",
      "Gigabytes/Second",
      "Terabytes/Second",
      "Bits/Second",
      "Kilobits/Second",
      "Megabits/Second",
      "Gigabits/Second",
      "Terabits/Second",
      "Count/Second"
    ]
  },
  "EntitlementUsage":{
    "type":"structure",
    "required":[
      "Name",
      "ConsumedValue",
      "Unit"
    ],
    "members":{
      "Name":{"shape":"String"},
      "ConsumedValue":{"shape":"String"},
      "MaxCount":{"shape":"String"},
      "Unit":{"shape":"EntitlementDataUnit"}
```

```
  }
},
"EntitlementUsageList":{
  "type":"list",
  "member":{"shape":"EntitlementUsage"}
},
"ExtendLicenseConsumptionRequest":{
  "type":"structure",
  "required":["LicenseConsumptionToken"],
  "members":{
    "LicenseConsumptionToken":{"shape":"String"},
     "DryRun":{"shape":"Boolean"}
  }
},
"ExtendLicenseConsumptionResponse":{
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  "members":{
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  }
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"FailedDependencyException":{
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    "ErrorCode":{"shape":"String"}
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  "exception":true
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    "Values":{"shape":"FilterValues"}
  }
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  "exception":true
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"GetAccessTokenResponse":{
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  "members":{
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"GetGrantRequest":{
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  "required":["GrantArn"],
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    "Version":{"shape":"String"}
  }
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"GetGrantResponse":{
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"GetLicenseConfigurationRequest":{
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  "required":["LicenseConfigurationArn"],
  "members":{
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  }
},
"GetLicenseConfigurationResponse":{
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"LicenseConfigurationArn":{"shape":"String"},
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"LicenseRules":{"shape":"StringList"},
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"LicenseCountHardLimit":{"shape":"BoxBoolean"},
"ConsumedLicenses":{"shape":"BoxLong"},
"Status":{"shape":"String"},
"OwnerAccountId":{"shape":"String"},
"ConsumedLicenseSummaryList":{"shape":"ConsumedLicenseSummaryList"},
"ManagedResourceSummaryList":{"shape":"ManagedResourceSummaryList"},
"Tags":{"shape":"TagList"},
"ProductInformationList":{"shape":"ProductInformationList"},
"AutomatedDiscoveryInformation":{"shape":"AutomatedDiscoveryInformation"},
"DisassociateWhenNotFound":{"shape":"BoxBoolean"}
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"GetLicenseConversionTaskResponse":{
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"ResourceArn":{"shape":"String"},
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"DestinationLicenseContext":{"shape":"LicenseConversionContext"},
"StatusMessage":{"shape":"String"},
"Status":{"shape":"LicenseConversionTaskStatus"},
"StartTime":{"shape":"DateTime"},
"LicenseConversionTime":{"shape":"DateTime"},
"EndTime":{"shape":"DateTime"}
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"GetLicenseManagerReportGeneratorResponse":{
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"Version":{"shape":"String"}
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"GetLicenseUsageRequest":{
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"GetLicenseUsageResponse":{
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"members":{
"LicenseUsage":{"shape":"LicenseUsage"}
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"members":{
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"GetServiceSettingsResponse":{
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"SnsTopicArn":{"shape":"String"},
"OrganizationConfiguration":{"shape":"OrganizationConfiguration"},
"EnableCrossAccountsDiscovery":{"shape":"BoxBoolean"},
"LicenseManagerResourceShareArn":{"shape":"String"}
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    "GrantName",
    "ParentArn",
    "LicenseArn",
    "GranteePrincipalArn",
    "HomeRegion",
    "GrantStatus",
    "Version",
    "GrantedOperations"
  ],
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    "GrantName":{"shape":"String"},
    "ParentArn":{"shape":"Arn"},
    "LicenseArn":{"shape":"Arn"},
    "GranteePrincipalArn":{"shape":"Arn"},
    "HomeRegion":{"shape":"String"},
    "GrantStatus":{"shape":"GrantStatus"},
    "StatusReason":{"shape":"StatusReasonMessage"},
    "Version":{"shape":"String"},
    "GrantedOperations":{"shape":"AllowedOperationList"},
     "Options":{"shape":"Options"}
  }
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"GrantList":{
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  "member":{"shape":"Grant"}
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"GrantStatus":{
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  "enum":[
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    "PENDING_ACCEPT",
    "REJECTED",
    "ACTIVE",
    "FAILED_WORKFLOW",
    "DELETED",
    "PENDING_DELETE",
    "DISABLED",
    "WORKFLOW_COMPLETED"
  ]
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  "members":{
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    "LicenseName":{"shape":"String"},
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"ProductName":{"shape":"String"},
"ProductSKU":{"shape":"String"},
"Issuer":{"shape":"IssuerDetails"},
"HomeRegion":{"shape":"String"},
"Status":{"shape":"LicenseStatus"},
"Validity":{"shape":"DatetimeRange"},
"Beneficiary":{"shape":"String"},
"Entitlements":{"shape":"EntitlementList"},
"ConsumptionConfiguration":{"shape":"ConsumptionConfiguration"},

"LicenseMetadata":{"shape":"MetadataList"},
"CreateTime":{"shape":"ISO8601DateTime"},
"Version":{"shape":"String"},
"ReceivedMetadata":{"shape":"ReceivedMetadata"}
}
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"GrantedLicenseList":{
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"member":{"shape":"GrantedLicense"}
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"InvalidResourceStateException":{
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"members":{
"Message":{"shape":"Message"}
},
"exception":true
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"InventoryFilter":{
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"required":[
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"Condition"
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  "members":{
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    "Condition":{"shape":"InventoryFilterCondition"},
    "Value":{"shape":"String"}
  }
},
"InventoryFilterCondition":{
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  "enum":[
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    "NOT_EQUALS",
    "BEGINS_WITH",
    "CONTAINS"
  ]
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"InventoryFilterList":{
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  "member":{"shape":"InventoryFilter"}
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"Issuer":{
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  "required":["Name"],
  "members":{
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    "SignKey":{"shape":"String"}
  }
},
"IssuerDetails":{
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  "members":{
    "Name":{"shape":"String"},
    "SignKey":{"shape":"String"},
    "KeyFingerprint":{"shape":"String"}
  }
},
"License":{
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  "members":{
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    "LicenseName":{"shape":"String"},

"ProductName":{"shape":"String"},
    "ProductSKU":{"shape":"String"},
    "Issuer":{"shape":"IssuerDetails"},
    "HomeRegion":{"shape":"String"},
    "Status":{"shape":"LicenseStatus"},
    "Validity":{"shape":"DatetimeRange"},
    "Beneficiary":{"shape":"String"},
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    "Entitlements":{"shape":"EntitlementList"},
    "ConsumptionConfiguration":{"shape":"ConsumptionConfiguration"},
    "LicenseMetadata":{"shape":"MetadataList"},
    "CreateTime":{"shape":"ISO8601DateTime"},
    "Version":{"shape":"String"}
  }
},
"LicenseConfiguration":{
  "type":"structure",
  "members":{
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    "LicenseConfigurationArn":{"shape":"String"},
    "Name":{"shape":"String"},
    "Description":{"shape":"String"},
    "LicenseCountingType":{"shape":"LicenseCountingType"},
    "LicenseRules":{"shape":"StringList"},
    "LicenseCount":{"shape":"BoxLong"},
    "LicenseCountHardLimit":{"shape":"BoxBoolean"},
     "DisassociateWhenNotFound":{"shape":"BoxBoolean"},
    "ConsumedLicenses":{"shape":"BoxLong"},
    "Status":{"shape":"String"},
    "OwnerAccountId":{"shape":"String"},
    "ConsumedLicenseSummaryList":{"shape":"ConsumedLicenseSummaryList"},
    "ManagedResourceSummaryList":{"shape":"ManagedResourceSummaryList"},
    "ProductInformationList":{"shape":"ProductInformationList"},
    "AutomatedDiscoveryInformation":{"shape":"AutomatedDiscoveryInformation"}
  }
},
"LicenseConfigurationAssociation":{
  "type":"structure",
  "members":{
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    "ResourceType":{"shape":"ResourceType"},
    "ResourceOwnerId":{"shape":"String"},
    "AssociationTime":{"shape":"DateTime"},
    "AmiAssociationScope":{"shape":"String"}
  }
},
"LicenseConfigurationAssociations":{
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  "member":{"shape":"LicenseConfigurationAssociation"}
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"LicenseConfigurationStatus":{
  "type":"string",
  "enum":[
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    "DISABLED"
  ]
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},
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  "members":{
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    "ResourceType":{"shape":"ResourceType"},
    "ResourceStatus":{"shape":"String"},
    "ResourceOwnerId":{"shape":"String"},
    "AssociationTime":{"shape":"DateTime"},
    "ConsumedLicenses":{"shape":"BoxLong"}
  }
},
"LicenseConfigurationUsageList":{
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  "member":{"shape":"LicenseConfigurationUsage"}
},
"LicenseConfigurations":{
  "type":"list",
  "member":{"shape":"LicenseConfiguration"}
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"LicenseConversionContext":{
  "type":"structure",
  "members":{
    "UsageOperation":{"shape":"UsageOperation"}
  }
},
"LicenseConversionTask":{
  "type":"structure",
  "members":{
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     "ResourceArn":{"shape":"String"},
    "SourceLicenseContext":{"shape":"LicenseConversionContext"},
    "DestinationLicenseContext":{"shape":"LicenseConversionContext"},
    "Status":{"shape":"LicenseConversionTaskStatus"},
    "StatusMessage":{"shape":"String"},
    "StartTime":{"shape":"DateTime"},
    "LicenseConversionTime":{"shape":"DateTime"},
    "EndTime":{"shape":"DateTime"}
  }
},
"LicenseConversionTaskId":{
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  "max":50,
  "pattern":"^lct-[a-zA-Z0-9]*"
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"LicenseConversionTaskStatus":{
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  "enum":[
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"IN_PROGRESS",
"SUCCEEDED",
"FAILED"
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"LicenseConversionTasks":{
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"Instance",
"Core",
"Socket"
]
},
"LicenseDeletionStatus":{
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"enum":[
"PENDING_DELETE",
"DELETED"
]
},
"LicenseList":{
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"member":{"shape":"License"}
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"LicenseOperationFailure":{
"type":"structure",
"members":{
"ResourceArn":{"shape":"String"},
"ResourceType":{"shape":"ResourceType"},
"ErrorMessage":{"shape":"String"},
"FailureTime":{"shape":"DateTime"},
"OperationName":{"shape":"String"},
"ResourceOwnerId":{"shape":"String"},
"OperationRequestedBy":{"shape":"String"},
"MetadataList":{"shape":"MetadataList"}
}
},
"LicenseOperationFailureList":{
"type":"list",
"member":{"shape":"LicenseOperationFailure"}
},
"LicenseSpecification":{
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  "required":["LicenseConfigurationArn"],
  "members":{
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    "AmiAssociationScope":{"shape":"String"}
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},
 "LicenseSpecifications":{
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  "member":{"shape":"LicenseSpecification"}
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"LicenseStatus":{
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    "PENDING_AVAILABLE",
    "DEACTIVATED",
    "SUSPENDED",
    "EXPIRED",
    "PENDING_DELETE",
    "DELETED"
  ]
},
"LicenseUsage":{
  "type":"structure",
  "members":{
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  }
},
"LicenseUsageException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
  "exception":true
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"ListAssociationsForLicenseConfigurationRequest":{
  "type":"structure",
  "required":["LicenseConfigurationArn"],
  "members":{
    "LicenseConfigurationArn":{"shape":"String"},
    "MaxResults":{"shape":"BoxInteger"},
    "NextToken":{"shape":"String"}
  }
},
"ListAssociationsForLicenseConfigurationResponse":{
  "type":"structure",
   "members":{
    "LicenseConfigurationAssociations":{"shape":"LicenseConfigurationAssociations"},
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    "NextToken":{"shape":"String"}
  }
},
"ListDistributedGrantsRequest":{
  "type":"structure",
  "members":{
    "GrantArns":{"shape":"ArnList"},
    "Filters":{"shape":"FilterList"},
    "NextToken":{"shape":"String"},
    "MaxResults":{"shape":"MaxSize100"}
  }
},
"ListDistributedGrantsResponse":{
  "type":"structure",
  "members":{
    "Grants":{"shape":"GrantList"},
    "NextToken":{"shape":"String"}
  }
},
"ListFailuresForLicenseConfigurationOperationsRequest":{
  "type":"structure",
  "required":["LicenseConfigurationArn"],
  "members":{
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    "MaxResults":{"shape":"BoxInteger"},
    "NextToken":{"shape":"String"}
  }
},
"ListFailuresForLicenseConfigurationOperationsResponse":{
  "type":"structure",
   "members":{
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    "NextToken":{"shape":"String"}
  }
},
"ListLicenseConfigurationsRequest":{
  "type":"structure",
  "members":{
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    "MaxResults":{"shape":"BoxInteger"},
    "NextToken":{"shape":"String"},
    "Filters":{"shape":"Filters"}
  }
},
"ListLicenseConfigurationsResponse":{
  "type":"structure",
  "members":{
    "LicenseConfigurations":{"shape":"LicenseConfigurations"},
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    "NextToken":{"shape":"String"}
  }
},
"ListLicenseConversionTasksRequest":{
  "type":"structure",
  "members":{
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    "MaxResults":{"shape":"BoxInteger"},
    "Filters":{"shape":"Filters"}
  }
},
"ListLicenseConversionTasksResponse":{
  "type":"structure",
  "members":{
    "LicenseConversionTasks":{"shape":"LicenseConversionTasks"},
     "NextToken":{"shape":"String"}
  }
},
"ListLicenseManagerReportGeneratorsRequest":{
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  "members":{
    "Filters":{"shape":"FilterList"},
    "NextToken":{"shape":"String"},
    "MaxResults":{"shape":"MaxSize100"}
  }
},
"ListLicenseManagerReportGeneratorsResponse":{
  "type":"structure",
  "members":{
    "ReportGenerators":{"shape":"ReportGeneratorList"},
    "NextToken":{"shape":"String"}
  }
},
"ListLicenseSpecificationsForResourceRequest":{
  "type":"structure",
  "required":["ResourceArn"],
  "members":{
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    "MaxResults":{"shape":"BoxInteger"},
    "NextToken":{"shape":"String"}
  }
},
"ListLicenseSpecificationsForResourceResponse":{
  "type":"structure",
  "members":{
    "LicenseSpecifications":{"shape":"LicenseSpecifications"},
    "NextToken":{"shape":"String"}
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}
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"ListLicenseVersionsRequest":{
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"required":["LicenseArn"],
"members":{
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"NextToken":{"shape":"String"},
"MaxResults":{"shape":"MaxSize100"}
}
},
"ListLicenseVersionsResponse":{
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"members":{
"Licenses":{"shape":"LicenseList"},
"NextToken":{"shape":"String"}
}
},
"ListLicensesRequest":{
"type":"structure",
"members":{
"LicenseArns":{"shape":"ArnList"},
"Filters":{"shape":"FilterList"},
"NextToken":{"shape":"String"},
"MaxResults":{"shape":"MaxSize100"}
}
},
"ListLicensesResponse":{
"type":"structure",
"members":{
"Licenses":{"shape":"LicenseList"},
"NextToken":{"shape":"String"}
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"ListReceivedGrantsForOrganizationRequest":{
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"Filters":{"shape":"FilterList"},
"NextToken":{"shape":"String"},
"MaxResults":{"shape":"MaxSize100"}
}
},
"ListReceivedGrantsForOrganizationResponse":{
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    "NextToken":{"shape":"String"}
  }
},
"ListReceivedGrantsRequest":{
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  "members":{
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    "Filters":{"shape":"FilterList"},
    "NextToken":{"shape":"String"},
    "MaxResults":{"shape":"MaxSize100"}
  }
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"ListReceivedGrantsResponse":{
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  "members":{
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    "NextToken":{"shape":"String"}
  }
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"ListReceivedLicensesForOrganizationRequest":{
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  "members":{
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    "NextToken":{"shape":"String"},
    "MaxResults":{"shape":"MaxSize100"}
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"ListReceivedLicensesForOrganizationResponse":{
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  "members":{
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    "NextToken":{"shape":"String"}
  }
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"ListReceivedLicensesRequest":{
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  "members":{
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    "Filters":{"shape":"FilterList"},
    "NextToken":{"shape":"String"},
    "MaxResults":{"shape":"MaxSize100"}
  }
},
"ListReceivedLicensesResponse":{
  "type":"structure",
  "members":{
    "Licenses":{"shape":"GrantedLicenseList"},
    "NextToken":{"shape":"String"}
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  }
},
"ListResourceInventoryRequest":{
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  "members":{
    "MaxResults":{"shape":"BoxInteger"},
    "NextToken":{"shape":"String"},
    "Filters":{"shape":"InventoryFilterList"}
  }
},
"ListResourceInventoryResponse":{
  "type":"structure",
  "members":{
    "ResourceInventoryList":{"shape":"ResourceInventoryList"},
     "NextToken":{"shape":"String"}
  }
},
"ListTagsForResourceRequest":{
  "type":"structure",
  "required":["ResourceArn"],
  "members":{
    "ResourceArn":{"shape":"String"}
  }
},
"ListTagsForResourceResponse":{
  "type":"structure",
  "members":{
    "Tags":{"shape":"TagList"}
  }
},
"ListTokensRequest":{
  "type":"structure",
  "members":{
    "TokenIds":{"shape":"StringList"},
    "Filters":{"shape":"FilterList"},
    "NextToken":{"shape":"String"},
    "MaxResults":{"shape":"MaxSize100"}
  }
},
"ListTokensResponse":{
  "type":"structure",
  "members":{
    "Tokens":{"shape":"TokenList"},
    "NextToken":{"shape":"String"}
  }
},
"ListUsageForLicenseConfigurationRequest":{
  "type":"structure",
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"required":["LicenseConfigurationArn"],
"members":{
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"MaxResults":{"shape":"BoxInteger"},
"NextToken":{"shape":"String"},
"Filters":{"shape":"Filters"}
}
},
"ListUsageForLicenseConfigurationResponse":{
"type":"structure",
"members":{
"LicenseConfigurationUsageList":{"shape":"LicenseConfigurationUsageList"},
"NextToken":{"shape":"String"}
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"Location":{"type":"string"},
"Long":{"type":"long"},
"ManagedResourceSummary":{
"type":"structure",
"members":{
"ResourceType":{"shape":"ResourceType"},
"AssociationCount":{"shape":"BoxLong"}
}
},
"ManagedResourceSummaryList":{
"type":"list",
"member":{"shape":"ManagedResourceSummary"}
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"MaxSize100":{
"type":"integer",
"max":100,
"min":1
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"MaxSize3StringList":{
"type":"list",
"member":{"shape":"String"},
"max":3
},
"Message":{"type":"string"},
"Metadata":{
"type":"structure",
"members":{
"Name":{"shape":"String"},
"Value":{"shape":"String"}
}
},
"MetadataList":{
"type":"list",

```
  "member":{"shape":"Metadata"}
},
"NoEntitlementsAllowedException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
  "exception":true
},
"Options":{
  "type":"structure",
  "members":{
    "ActivationOverrideBehavior":{"shape":"ActivationOverrideBehavior"}
  }
},
"OrganizationConfiguration":{
  "type":"structure",
  "required":["EnableIntegration"],
  "members":{
    "EnableIntegration":{"shape":"Boolean"}
  }
},
"PrincipalArnList":{
  "type":"list",
  "member":{"shape":"Arn"},
  "max":1,
  "min":1
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"ProductInformation":{
  "type":"structure",
  "required":[
    "ResourceType",
    "ProductInformationFilterList"
  ],
  "members":{
    "ResourceType":{"shape":"String"},
     "ProductInformationFilterList":{"shape":"ProductInformationFilterList"}
  }
},
"ProductInformationFilter":{
  "type":"structure",
  "required":[
    "ProductInformationFilterName",
    "ProductInformationFilterComparator"
  ],
  "members":{
    "ProductInformationFilterName":{"shape":"String"},
    "ProductInformationFilterValue":{"shape":"StringList"},
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    "ProductInformationFilterComparator":{"shape":"String"}
  }
},
"ProductInformationFilterList":{
  "type":"list",
  "member":{"shape":"ProductInformationFilter"}
},
"ProductInformationList":{
  "type":"list",
  "member":{"shape":"ProductInformation"}
},
"ProvisionalConfiguration":{
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  "required":["MaxTimeToLiveInMinutes"],
  "members":{
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  }
},
"RateLimitExceededException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
   },
  "exception":true
},
"ReceivedMetadata":{
  "type":"structure",
  "members":{
    "ReceivedStatus":{"shape":"ReceivedStatus"},
    "ReceivedStatusReason":{"shape":"StatusReasonMessage"},
    "AllowedOperations":{"shape":"AllowedOperationList"}
  }
},
"ReceivedStatus":{
  "type":"string",
  "enum":[
    "PENDING_WORKFLOW",
    "PENDING_ACCEPT",
    "REJECTED",
    "ACTIVE",
    "FAILED_WORKFLOW",
    "DELETED",
    "DISABLED",
    "WORKFLOW_COMPLETED"
  ]
},
"RedirectException":{
  "type":"structure",
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  "members":{
    "Location":{"shape":"Location"},
    "Message":{"shape":"Message"}
  },
  "exception":true
},
"RejectGrantRequest":{
  "type":"structure",
  "required":["GrantArn"],
  "members":{
    "GrantArn":{"shape":"Arn"}
  }
},
"RejectGrantResponse":{
  "type":"structure",
  "members":{
     "GrantArn":{"shape":"Arn"},
    "Status":{"shape":"GrantStatus"},
    "Version":{"shape":"String"}
  }
},
"RenewType":{
  "type":"string",
  "enum":[
    "None",
    "Weekly",
    "Monthly"
  ]
},
"ReportContext":{
  "type":"structure",
  "required":["licenseConfigurationArns"],
  "members":{
    "licenseConfigurationArns":{"shape":"ArnList"}
  }
},
"ReportFrequency":{
  "type":"structure",
  "members":{
    "value":{"shape":"Integer"},
    "period":{"shape":"ReportFrequencyType"}
  }
},
"ReportFrequencyType":{
  "type":"string",
  "enum":[
    "DAY",
    "WEEK",
```

```
    "MONTH"
  ]
},
"ReportGenerator":{
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  "members":{
    "ReportGeneratorName":{"shape":"String"},
    "ReportType":{"shape":"ReportTypeList"},
    "ReportContext":{"shape":"ReportContext"},
    "ReportFrequency":{"shape":"ReportFrequency"},
     "LicenseManagerReportGeneratorArn":{"shape":"String"},
    "LastRunStatus":{"shape":"String"},
    "LastRunFailureReason":{"shape":"String"},
    "LastReportGenerationTime":{"shape":"String"},
    "ReportCreatorAccount":{"shape":"String"},
    "Description":{"shape":"String"},
    "S3Location":{"shape":"S3Location"},
    "CreateTime":{"shape":"String"},
    "Tags":{"shape":"TagList"}
  }
},
"ReportGeneratorList":{
  "type":"list",
  "member":{"shape":"ReportGenerator"}
},
"ReportGeneratorName":{
  "type":"string",
  "max":100,
  "min":1
},
"ReportType":{
  "type":"string",
  "enum":[
    "LicenseConfigurationSummaryReport",
    "LicenseConfigurationUsageReport"
  ]
},
"ReportTypeList":{
  "type":"list",
  "member":{"shape":"ReportType"}
},
"ResourceInventory":{
  "type":"structure",
  "members":{
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     "ResourceType":{"shape":"ResourceType"},
    "ResourceArn":{"shape":"String"},
    "Platform":{"shape":"String"},
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"PlatformVersion":{"shape":"String"},
"ResourceOwningAccountId":{"shape":"String"}
}
},
"ResourceInventoryList":{
"type":"list",
"member":{"shape":"ResourceInventory"}
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"ResourceLimitExceededException":{
"type":"structure",
"members":{
"Message":{"shape":"Message"}
},
"exception":true
},
"ResourceNotFoundException":{
"type":"structure",
"members":{
"Message":{"shape":"Message"}
},
"exception":true
},
"ResourceType":{
"type":"string",
"enum":[
"EC2_INSTANCE",
"EC2_HOST",
"EC2_AMI",
"RDS",
"SYSTEMS_MANAGER_MANAGED_INSTANCE"
]
},
"S3Location":{
"type":"structure",
"members":{
"bucket":{"shape":"String"},
"keyPrefix":{"shape":"String"}

}
},
"ServerInternalException":{
"type":"structure",
"members":{
"Message":{"shape":"Message"}
},
"exception":true,
"fault":true
},

"SignedToken":{
  "type":"string",
  "min":4096
},
"StatusReasonMessage":{
  "type":"string",
  "max":400,
  "pattern":"[\\s\\S]+"
},
"String":{"type":"string"},
"StringList":{
  "type":"list",
  "member":{"shape":"String"}
},
"Tag":{
  "type":"structure",
  "members":{
    "Key":{"shape":"String"},
    "Value":{"shape":"String"}
  }
},
"TagKeyList":{
  "type":"list",
  "member":{"shape":"String"}
},
"TagList":{
  "type":"list",
  "member":{"shape":"Tag"}
},
"TagResourceRequest":{
  "type":"structure",
  "required":[
    "ResourceArn",
    "Tags"
  ],
  "members":{
    "ResourceArn":{"shape":"String"},
    "Tags":{"shape":"TagList"}
  }
},
"TagResourceResponse":{
   "type":"structure",
  "members":{
  }
},
"TokenData":{
  "type":"structure",
  "members":{

"TokenId":{"shape":"String"},
"TokenType":{"shape":"String"},
"LicenseArn":{"shape":"String"},
"ExpirationTime":{"shape":"ISO8601DateTime"},
"TokenProperties":{"shape":"MaxSize3StringList"},
"RoleArns":{"shape":"ArnList"},
"Status":{"shape":"String"}
}
},
"TokenList":{
"type":"list",
"member":{"shape":"TokenData"}
},
"TokenString":{
"type":"string",
"max":4096,
"pattern":"\\S+"
},
"TokenType":{
"type":"string",
"enum":["REFRESH_TOKEN"]
},
"UnsupportedDigitalSignatureMethodException":{
"type":"structure",
"members":{
"Message":{"shape":"Message"}
},
"exception":true
},
"UntagResourceRequest":{
"type":"structure",
"required":[
"ResourceArn",
"TagKeys"
],
"members":{
"ResourceArn":{"shape":"String"},
"TagKeys":{"shape":"TagKeyList"}
}
},
"UntagResourceResponse":{
"type":"structure",
"members":{
}
},
"UpdateLicenseConfigurationRequest":{
"type":"structure",
"required":["LicenseConfigurationArn"],

```
  "members":{
    "LicenseConfigurationArn":{"shape":"String"},
    "LicenseConfigurationStatus":{"shape":"LicenseConfigurationStatus"},
    "LicenseRules":{"shape":"StringList"},
    "LicenseCount":{"shape":"BoxLong"},
    "LicenseCountHardLimit":{"shape":"BoxBoolean"},
    "Name":{"shape":"String"},
    "Description":{"shape":"String"},
    "ProductInformationList":{"shape":"ProductInformationList"},
    "DisassociateWhenNotFound":{"shape":"BoxBoolean"}
  }
},
"UpdateLicenseConfigurationResponse":{
  "type":"structure",
  "members":{
  }
},
"UpdateLicenseManagerReportGeneratorRequest":{
   "type":"structure",
  "required":[
    "LicenseManagerReportGeneratorArn",
    "ReportGeneratorName",
    "Type",
    "ReportContext",
    "ReportFrequency",
    "ClientToken"
  ],
  "members":{
    "LicenseManagerReportGeneratorArn":{"shape":"String"},
    "ReportGeneratorName":{"shape":"ReportGeneratorName"},
    "Type":{"shape":"ReportTypeList"},
    "ReportContext":{"shape":"ReportContext"},
    "ReportFrequency":{"shape":"ReportFrequency"},
    "ClientToken":{"shape":"ClientRequestToken"},
    "Description":{"shape":"String"}
  }
},
"UpdateLicenseManagerReportGeneratorResponse":{
  "type":"structure",
  "members":{
  }
},
"UpdateLicenseSpecificationsForResourceRequest":{
  "type":"structure",
  "required":["ResourceArn"],
  "members":{
    "ResourceArn":{"shape":"String"},
    "AddLicenseSpecifications":{"shape":"LicenseSpecifications"},
```

"RemoveLicenseSpecifications":{"shape":"LicenseSpecifications"}
}
},
"UpdateLicenseSpecificationsForResourceResponse":{
"type":"structure",
"members":{
}
},
"UpdateServiceSettingsRequest":{
"type":"structure",
"members":{
"S3BucketArn":{"shape":"String"},
"SnsTopicArn":{"shape":"String"},
"OrganizationConfiguration":{"shape":"OrganizationConfiguration"},
"EnableCrossAccountsDiscovery":{"shape":"BoxBoolean"}
}
},
"UpdateServiceSettingsResponse":{
"type":"structure",
"members":{
}
},
"UsageOperation":{
"type":"string",
"max":50
},
"ValidationException":{
"type":"structure",
"members":{
"Message":{"shape":"Message"}
},
"exception":true
}
}
}
{
"version": "2.0",
"service": " License Manager makes it easier to manage licenses from software vendors across multiple Amazon Web Services accounts and on-premises servers. ",
"operations": {
"AcceptGrant": " Accepts the specified grant. ",
"CheckInLicense": " Checks in the specified license. Check in a license when it is no longer in use. ",
"CheckoutBorrowLicense": " Checks out the specified license for offline use. ",
"CheckoutLicense": " Checks out the specified license. <note> If the account that created the license is the same that is performing the check out, you must specify the account as the beneficiary. </note>",
"CreateGrant": " Creates a grant for the specified license. A grant shares the use of license entitlements with a specific Amazon Web Services account, an organization, or an organizational unit (OU). For more information, see Granted

licenses in License Manager in the License Manager User Guide. ",
"CreateGrantVersion": " Creates a new version of the specified grant. For more information, see Granted licenses in License Manager in the License Manager User Guide. ",
"CreateLicense": " Creates a license. ",
"CreateLicenseConfiguration": " Creates a license configuration. A license configuration is an abstraction of a customer license agreement that can be consumed and enforced by License Manager. Components include specifications for the license type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a license must be associated with a host), and the number of licenses purchased and used. ",
"CreateLicenseConversionTaskForResource":
" Creates a new license conversion task. ",
"CreateLicenseManagerReportGenerator": " Creates a report generator. ",
"CreateLicenseVersion": " Creates a new version of the specified license. ",
"CreateToken": " Creates a long-lived token. A refresh token is a JWT token used to get an access token. With an access token, you can call AssumeRoleWithWebIdentity to get role credentials that you can use to call License Manager to manage the specified license. ",
"DeleteGrant": " Deletes the specified grant. ",
"DeleteLicense": " Deletes the specified license. ",
"DeleteLicenseConfiguration": " Deletes the specified license configuration. You cannot delete a license configuration that is in use. ",
"DeleteLicenseManagerReportGenerator": " Deletes the specified report generator. This action deletes the report generator, which stops it from generating future reports. The action cannot be reversed. It
has no effect on the previous reports from this generator. ",
"DeleteToken": " Deletes the specified token. Must be called in the license home Region. ",
"ExtendLicenseConsumption": " Extends the expiration date for license consumption. ",
"GetAccessToken": " Gets a temporary access token to use with AssumeRoleWithWebIdentity. Access tokens are valid for one hour. ",
"GetGrant": " Gets detailed information about the specified grant. ",
"GetLicense": " Gets detailed information about the specified license. ",
"GetLicenseConfiguration": " Gets detailed information about the specified license configuration. ",
"GetLicenseConversionTask": " Gets information about the specified license type conversion task. ",
"GetLicenseManagerReportGenerator": " Gets information about the specified report generator. ",
"GetLicenseUsage": " Gets detailed information about the usage of the specified license. ",
"GetServiceSettings":
" Gets the License Manager settings for the current Region. ",
"ListAssociationsForLicenseConfiguration": " Lists the resource associations for the specified license configuration. Resource associations need not consume licenses from a license configuration. For example, an AMI or a stopped instance might not consume a license (depending on the license rules). ",
"ListDistributedGrants": " Lists the grants distributed for the specified license. ",
"ListFailuresForLicenseConfigurationOperations": " Lists the license configuration operations that failed. ",
"ListLicenseConfigurations": " Lists the license configurations for your account. ",
"ListLicenseConversionTasks": " Lists the license type conversion tasks for your account. ",
"ListLicenseManagerReportGenerators": " Lists the report generators for your account. ",
"ListLicenseSpecificationsForResource": " Describes the license configurations for the
specified resource. ",
"ListLicenseVersions": " Lists all versions of the specified license. ",

"ListLicenses": " Lists the licenses for your account. ",
"ListReceivedGrants": " Lists grants that are received. Received grants are grants created while specifying the recipient as this Amazon Web Services account, your organization, or an organizational unit (OU) to which this member account belongs. ",
"ListReceivedGrantsForOrganization": " Lists the grants received for all accounts in the organization. ",
"ListReceivedLicenses": " Lists received licenses. ",
"ListReceivedLicensesForOrganization": " Lists the licenses received for all accounts in the organization. ",
"ListResourceInventory": " Lists resources managed using Systems Manager inventory. ",
"ListTagsForResource": " Lists the tags for the specified license configuration. ",
"ListTokens": " Lists your tokens. ",
"ListUsageForLicenseConfiguration":
" Lists all license usage records for a license configuration, displaying license consumption details by resource at a selected point in time. Use this action to audit the current license consumption for any license inventory and configuration. ",
"RejectGrant": " Rejects the specified grant. ",
"TagResource": " Adds the specified tags to the specified license configuration. ",
"UntagResource": " Removes the specified tags from the specified license configuration. ",
"UpdateLicenseConfiguration": " Modifies the attributes of an existing license configuration. ",
"UpdateLicenseManagerReportGenerator": " Updates a report generator. After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated. ",
"UpdateLicenseSpecificationsForResource": " Adds or removes the specified license configurations for the specified Amazon Web Services resource. You can update the
license specifications of AMIs, instances, and hosts. You cannot update the license specifications for launch templates and CloudFormation templates, as they send license configurations to the operation that creates the resource. ",
"UpdateServiceSettings": " Updates License Manager settings for the current Region. "
},
"shapes": {
"AcceptGrantRequest": {
"base": null,
"refs": {
}
},
"AcceptGrantResponse": {
"base": null,
"refs": {
}
},
"AccessDeniedException": {
"base": " Access to resource denied. ",
"refs": {
}
},
"ActivationOverrideBehavior": {
"base": null,
"refs": {
"Options$ActivationOverrideBehavior": " An activation option for your grant that determines the behavior

of activating a grant. Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code>
 for the <code>Status</code> parameter.   As a license administrator, you can optionally specify an <code>ActivationOverrideBehavior</code> when activating a grant.   As a grantor, you can optionally specify an <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee account in your organization.   As a grantee, if the grantor creating the distributed grant doesnt specify an <code>ActivationOverrideBehavior</code>, you can optionally specify one when you are activating the grant.   <dl> <dt>DISTRIBUTED_GRANTS_ONLY</dt> <dd> Use this value to activate a grant without replacing any member accounts active grants for the same product. </dd>
<dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt> <dd> Use this value to activate a grant and disable other active grants in any member accounts for the same product. This action will also replace their previously activated grants with this activated grant.
 </dd> </dl>"
    }
  },
  "AllowedOperation": {
    "base": null,
    "refs": {
      "AllowedOperationList$member": null
    }
  },
  "AllowedOperationList": {
    "base": null,
    "refs": {
      "CreateGrantRequest$AllowedOperations": " Allowed operations for the grant. ",
      "CreateGrantVersionRequest$AllowedOperations": " Allowed operations for the grant. ",
      "Grant$GrantedOperations": " Granted operations. ",
      "ReceivedMetadata$AllowedOperations": " Allowed operations. "
    }
  },
  "Arn": {
    "base": null,
    "refs": {
      "AcceptGrantRequest$GrantArn": " Amazon Resource Name (ARN) of the grant. ",
      "AcceptGrantResponse$GrantArn": " Grant ARN. ",
      "ArnList$member": null,
      "CheckoutBorrowLicenseRequest$LicenseArn": " Amazon Resource Name (ARN) of the license. The license must use the borrow consumption configuration. ",
      "CheckoutBorrowLicenseResponse$LicenseArn":
 " Amazon Resource Name (ARN) of the license. ",
      "CreateGrantRequest$LicenseArn": " Amazon Resource Name (ARN) of the license. ",
      "CreateGrantResponse$GrantArn": " Grant ARN. ",
      "CreateGrantVersionRequest$GrantArn": " Amazon Resource Name (ARN) of the grant. ",
      "CreateGrantVersionResponse$GrantArn": " Grant ARN. ",
      "CreateLicenseConversionTaskForResourceRequest$ResourceArn": " Amazon Resource Name (ARN) of the resource you are converting the license type for. ",
      "CreateLicenseResponse$LicenseArn": " Amazon Resource Name (ARN) of the license. ",
      "CreateLicenseVersionRequest$LicenseArn": " Amazon Resource Name (ARN) of the license. ",

"CreateLicenseVersionResponse$LicenseArn": " License ARN. ",
"CreateTokenRequest$LicenseArn": " Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the JWT token. ",
"DeleteGrantRequest$GrantArn": " Amazon Resource Name (ARN) of the grant. ",
"DeleteGrantResponse$GrantArn": " Grant ARN. ",
"DeleteLicenseRequest$LicenseArn": " Amazon Resource Name (ARN) of the license. ",
"GetGrantRequest$GrantArn": " Amazon Resource Name (ARN) of the grant. ",
"GetLicenseRequest$LicenseArn": " Amazon Resource Name (ARN) of the license. ",
"GetLicenseUsageRequest$LicenseArn": " Amazon Resource Name (ARN) of the license. ",
"Grant$GrantArn": " Amazon Resource Name (ARN) of the grant. ",
"Grant$ParentArn": " Parent ARN. ",
"Grant$LicenseArn": " License ARN. ",
"Grant$GranteePrincipalArn": " The grantee principal ARN. ",
"GrantedLicense$LicenseArn": " Amazon Resource Name (ARN) of the license. ",
"License$LicenseArn": " Amazon Resource Name (ARN) of the license. ",
"ListLicenseVersionsRequest$LicenseArn": " Amazon Resource Name (ARN) of the license. ",
"ListReceivedGrantsForOrganizationRequest$LicenseArn": " The Amazon Resource Name (ARN) of the received license. ",
"PrincipalArnList$member": null,
"RejectGrantRequest$GrantArn": " Amazon Resource Name (ARN) of the grant. ",
"RejectGrantResponse$GrantArn": " Grant ARN. "
}
},
"ArnList": {
"base": null,
"refs": {
"CreateTokenRequest$RoleArns": " Amazon Resource Name (ARN) of the IAM roles to embed in the token. License Manager does not check whether the roles are in use. ",
"ListDistributedGrantsRequest$GrantArns": " Amazon Resource Names (ARNs) of the grants. ",
"ListLicensesRequest$LicenseArns": " Amazon Resource Names (ARNs) of the licenses. ",
"ListReceivedGrantsRequest$GrantArns": " Amazon Resource Names (ARNs) of the grants. ",
"ListReceivedLicensesRequest$LicenseArns": " Amazon Resource Names (ARNs) of the licenses. ",

"ReportContext$licenseConfigurationArns": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"TokenData$RoleArns": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"AuthorizationException": {
"base": " The Amazon Web Services user account does not have permission to perform the action. Check the IAM policy associated with this account. ",
"refs": {
}
},
"AutomatedDiscoveryInformation": {
"base": " Describes automated discovery. ",

"refs": {
"GetLicenseConfigurationResponse$AutomatedDiscoveryInformation": " Automated discovery information. ",
"LicenseConfiguration$AutomatedDiscoveryInformation": " Automated discovery information. "
}
},
"Boolean": {
"base": null,
"refs": {
"ExtendLicenseConsumptionRequest$DryRun": " Checks whether you have the required permissions for the action,
without actually making the request. Provides an error response if you do not have the required permissions. ",
"OrganizationConfiguration$EnableIntegration": " Enables Organizations integration. "
}
},
"BorrowConfiguration": {
"base": " Details about a borrow configuration. ",
"refs": {
"ConsumptionConfiguration$BorrowConfiguration": " Details about a borrow configuration. "
}
},
"BoxBoolean": {
"base": null,
"refs": {
"BorrowConfiguration$AllowEarlyCheckIn": " Indicates whether early check-ins are allowed. ",
"CreateLicenseConfigurationRequest$LicenseCountHardLimit": " Indicates whether hard or soft license enforcement is used. Exceeding a hard limit blocks the launch of new instances. ",
"CreateLicenseConfigurationRequest$DisassociateWhenNotFound": " When true, disassociates a resource when software is uninstalled. ",
"Entitlement$Overage": " Indicates
whether overages are allowed. ",
"Entitlement$AllowCheckIn": " Indicates whether check-ins are allowed. ",
"GetLicenseConfigurationResponse$LicenseCountHardLimit": " Sets the number of available licenses as a hard limit. ",
"GetLicenseConfigurationResponse$DisassociateWhenNotFound": " When true, disassociates a resource when software is uninstalled. ",
"GetServiceSettingsResponse$EnableCrossAccountsDiscovery": " Indicates whether cross-account discovery is enabled. ",
"LicenseConfiguration$LicenseCountHardLimit": " Number of available licenses as a hard limit. ",
"LicenseConfiguration$DisassociateWhenNotFound": " When true, disassociates a resource when software is uninstalled. ",
"UpdateLicenseConfigurationRequest$LicenseCountHardLimit": " New hard limit of the number of available licenses. ",
"UpdateLicenseConfigurationRequest$DisassociateWhenNotFound": " When true, disassociates
a resource when software is uninstalled. ",
"UpdateServiceSettingsRequest$EnableCrossAccountsDiscovery": " Activates cross-account discovery. "
}

```
  },
  "BoxInteger": {
    "base": null,
    "refs": {
      "BorrowConfiguration$MaxTimeToLiveInMinutes": "<p>Maximum time for the borrow configuration, in minutes.</p>",
      "ListAssociationsForLicenseConfigurationRequest$MaxResults": "<p>Maximum number of results to return in a single call.</p>",
      "ListFailuresForLicenseConfigurationOperationsRequest$MaxResults": "<p>Maximum number of results to return in a single call.</p>",
      "ListLicenseConfigurationsRequest$MaxResults": "<p>Maximum number of results to return in a single call.</p>",
      "ListLicenseConversionTasksRequest$MaxResults": "<p>Maximum number of results to return in a single call.</p>",
      "ListLicenseSpecificationsForResourceRequest$MaxResults": "<p>Maximum number of results to return in a single call.</p>",

    "ListResourceInventoryRequest$MaxResults": "<p>Maximum number of results to return in a single call.</p>",
      "ListUsageForLicenseConfigurationRequest$MaxResults": "<p>Maximum number of results to return in a single call.</p>",
      "ProvisionalConfiguration$MaxTimeToLiveInMinutes": "<p>Maximum time for the provisional configuration, in minutes.</p>"
    }
  },
  "BoxLong": {
    "base": null,
    "refs": {
      "ConsumedLicenseSummary$ConsumedLicenses": "<p>Number of licenses consumed by the resource.</p>",
      "CreateLicenseConfigurationRequest$LicenseCount": "<p>Number of licenses managed by the license configuration.</p>",
      "GetLicenseConfigurationResponse$LicenseCount": "<p>Number of available licenses.</p>",
      "GetLicenseConfigurationResponse$ConsumedLicenses": "<p>Number of licenses assigned to resources.</p>",
      "LicenseConfiguration$LicenseCount": "<p>Number of licenses managed by the license configuration.</p>",
      "LicenseConfiguration$ConsumedLicenses":
 "<p>Number of licenses consumed. </p>",
      "LicenseConfigurationUsage$ConsumedLicenses": "<p>Number of licenses consumed by the resource.</p>",
      "ManagedResourceSummary$AssociationCount": "<p>Number of resources associated with licenses.</p>",
      "UpdateLicenseConfigurationRequest$LicenseCount": "<p>New number of licenses managed by the license configuration.</p>"
    }
  },
  "CheckInLicenseRequest": {
    "base": null,
    "refs": {
    }
  },
  "CheckInLicenseResponse": {
    "base": null,
```

"refs": {
}
},
"CheckoutBorrowLicenseRequest": {
"base": null,
"refs": {
}
},
"CheckoutBorrowLicenseResponse": {
"base": null,
"refs": {
}
},
"CheckoutLicenseRequest": {
"base": null,
"refs": {
}
},
"CheckoutLicenseResponse": {
"base": null,
"refs": {
}
},
"CheckoutType": {
"base": null,
"refs": {
"CheckoutLicenseRequest$CheckoutType": " Checkout type. ",
"CheckoutLicenseResponse$CheckoutType": " Checkout type. "
}
},
"ClientRequestToken": {
"base": null,
"refs": {
"CreateLicenseManagerReportGeneratorRequest$ClientToken": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"UpdateLicenseManagerReportGeneratorRequest$ClientToken": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. "
}
},
"ClientToken": {
"base": null,
"refs": {
"CheckoutBorrowLicenseRequest$ClientToken": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"CheckoutLicenseRequest$ClientToken": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"CreateGrantRequest$ClientToken": " Unique, case-sensitive

identifier that you provide to ensure the idempotency of the request. ",
"CreateGrantVersionRequest$ClientToken": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"CreateLicenseRequest$ClientToken": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"CreateLicenseVersionRequest$ClientToken": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"CreateTokenRequest$ClientToken": " Idempotency token, valid for 10 minutes. "
}
},
"ConflictException": {
"base": " There was a conflict processing the request. Try your request again. ",
"refs": {
}
},
"ConsumedLicenseSummary": {
"base": " Details about license consumption. ",
"refs": {
"ConsumedLicenseSummaryList$member": null
}
},
"ConsumedLicenseSummaryList": {
"base": null,
"refs": {
"GetLicenseConfigurationResponse$ConsumedLicenseSummaryList": " Summaries of the licenses consumed by resources. ",
"LicenseConfiguration$ConsumedLicenseSummaryList": " Summaries for licenses consumed by various resources. "
}
},
"ConsumptionConfiguration": {
"base": " Details about a consumption configuration. ",
"refs": {
"CreateLicenseRequest$ConsumptionConfiguration": " Configuration for consumption of the license. Choose a provisional configuration for workloads running with continuous connectivity. Choose a borrow configuration for workloads with offline usage. ",
"CreateLicenseVersionRequest$ConsumptionConfiguration": " Configuration for consumption of the license. Choose a provisional configuration for workloads running with continuous connectivity. Choose a borrow configuration for workloads with offline usage. ",
"GrantedLicense$ConsumptionConfiguration": " Configuration for consumption of the license. ",
"License$ConsumptionConfiguration": " Configuration for consumption of the license. "
}
},
"CreateGrantRequest": {
"base": null,
"refs": {
}

},
"CreateGrantResponse": {
  "base": null,
  "refs": {
  }
},
"CreateGrantVersionRequest": {
  "base": null,
  "refs": {
  }
},
"CreateGrantVersionResponse": {
  "base": null,
  "refs": {
  }
},
"CreateLicenseConfigurationRequest": {
  "base": null,
  "refs": {
  }
},
"CreateLicenseConfigurationResponse": {
  "base": null,
  "refs": {
  }
},
"CreateLicenseConversionTaskForResourceRequest": {
  "base": null,
  "refs": {
  }
},
"CreateLicenseConversionTaskForResourceResponse": {
  "base": null,
  "refs": {
  }
},
"CreateLicenseManagerReportGeneratorRequest": {
  "base": null,
  "refs": {

 }
},
"CreateLicenseManagerReportGeneratorResponse": {
  "base": null,
  "refs": {
  }
},
"CreateLicenseRequest": {

"base": null,
"refs": {
}
},
"CreateLicenseResponse": {
"base": null,
"refs": {
}
},
"CreateLicenseVersionRequest": {
"base": null,
"refs": {
}
},
"CreateLicenseVersionResponse": {
"base": null,
"refs": {
}
},
"CreateTokenRequest": {
"base": null,
"refs": {
}
},
"CreateTokenResponse": {
"base": null,
"refs": {
}
},
"DateTime": {
"base": null,
"refs": {
"AutomatedDiscoveryInformation$LastRunTime": " Time that automated discovery last ran. ",
"GetLicenseConversionTaskResponse$StartTime": " Time at which the license type conversion task was started . ",
"GetLicenseConversionTaskResponse$LicenseConversionTime": " Amount of time to complete the license type conversion. ",
"GetLicenseConversionTaskResponse$EndTime": " Time at which the license type conversion task was completed. ",
"LicenseConfigurationAssociation$AssociationTime": " Time when the license configuration was associated with the resource. ",
"LicenseConfigurationUsage$AssociationTime": " Time when the license configuration was initially associated with the resource. ",
"LicenseConversionTask$StartTime": " The time the conversion task was started at. ",
"LicenseConversionTask$LicenseConversionTime": " The time the usage operation value of the resource was changed. ",
"LicenseConversionTask$EndTime": " The time the conversion task was completed. ",
"LicenseOperationFailure$FailureTime": " Failure time. "

```
    }
  },
  "DatetimeRange": {
    "base": "<p>Describes a time range, in ISO8601-UTC format.</p>",
    "refs": {
      "CreateLicenseRequest$Validity": "<p>Date
 and time range during which the license is valid, in ISO8601-UTC format.</p>",
      "CreateLicenseVersionRequest$Validity": "<p>Date and time range during which the license is valid, in
ISO8601-UTC format.</p>",
      "GrantedLicense$Validity": "<p>Date and time range during which the granted license is valid, in ISO8601-
UTC format.</p>",
      "License$Validity": "<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>"
    }
  },
  "DeleteGrantRequest": {
    "base": null,
    "refs": {
    }
  },
  "DeleteGrantResponse": {
    "base": null,
    "refs": {
    }
  },
  "DeleteLicenseConfigurationRequest": {
    "base": null,
    "refs": {
    }
  },
  "DeleteLicenseConfigurationResponse": {
    "base": null,
    "refs": {
    }
  },
  "DeleteLicenseManagerReportGeneratorRequest": {
    "base": null,
    "refs": {
    }
  },
  "DeleteLicenseManagerReportGeneratorResponse": {
    "base": null,
     "refs": {
    }
  },
  "DeleteLicenseRequest": {
    "base": null,
    "refs": {
    }
```

```
  },
  "DeleteLicenseResponse": {
    "base": null,
    "refs": {
    }
  },
  "DeleteTokenRequest": {
    "base": null,
    "refs": {
    }
  },
  "DeleteTokenResponse": {
    "base": null,
    "refs": {
    }
  },
  "DigitalSignatureMethod": {
    "base": null,
    "refs": {
      "CheckoutBorrowLicenseRequest$DigitalSignatureMethod": "<p>Digital signature method. The possible value is JSON Web Signature (JWS) algorithm PS384. For more information, see <a href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS</a>.</p>"
    }
  },
  "Entitlement": {
    "base": "<p>Describes a resource entitled for use with a license.</p>",
    "refs": {
      "EntitlementList$member": null
    }
  },
  "EntitlementData": {
    "base": "<p>Data associated with an entitlement resource.</p>",

    "refs": {
      "EntitlementDataList$member": null
    }
  },
  "EntitlementDataList": {
    "base": null,
    "refs": {
      "CheckoutBorrowLicenseRequest$Entitlements": "<p>License entitlements. Partial checkouts are not supported.</p>",
      "CheckoutBorrowLicenseResponse$EntitlementsAllowed": "<p>Allowed license entitlements.</p>",
      "CheckoutLicenseRequest$Entitlements": "<p>License entitlements.</p>",
      "CheckoutLicenseResponse$EntitlementsAllowed": "<p>Allowed license entitlements.</p>"
    }
  },
  "EntitlementDataUnit": {
```

```
    "base": null,
    "refs": {
      "EntitlementData$Unit": "<p>Entitlement data unit.</p>",
      "EntitlementUsage$Unit": "<p>Entitlement usage unit.</p>"
    }
  },
  "EntitlementList": {
    "base": null,
    "refs": {
      "CreateLicenseRequest$Entitlements": "<p>License entitlements.</p>",
      "CreateLicenseVersionRequest$Entitlements": "<p>License entitlements.</p>",
      "GrantedLicense$Entitlements":
"<p>License entitlements.</p>",
      "License$Entitlements": "<p>License entitlements.</p>"
    }
  },
  "EntitlementNotAllowedException": {
    "base": "<p>The entitlement is not allowed.</p>",
    "refs": {
    }
  },
  "EntitlementUnit": {
    "base": null,
    "refs": {
      "Entitlement$Unit": "<p>Entitlement unit.</p>"
    }
  },
  "EntitlementUsage": {
    "base": "<p>Usage associated with an entitlement resource.</p>",
    "refs": {
      "EntitlementUsageList$member": null
    }
  },
  "EntitlementUsageList": {
    "base": null,
    "refs": {
      "LicenseUsage$EntitlementUsages": "<p>License entitlement usages.</p>"
    }
  },
  "ExtendLicenseConsumptionRequest": {
    "base": null,
    "refs": {
    }
  },
  "ExtendLicenseConsumptionResponse": {
    "base": null,
    "refs": {
    }
```

},
"FailedDependencyException": {
"base": " A dependency required to run the API is missing. ",
"refs": {
}
},
"Filter": {
"base": " A filter name and value pair that is used to return more specific results from a describe operation. Filters can be used to match a set of resources by specific criteria, such as tags, attributes, or IDs. ",
"refs": {
"FilterList$member": null,
"Filters$member": null
}
},
"FilterLimitExceededException": {
"base": " The request uses too many filters or too many filter values. ",
"refs": {
}
},
"FilterList": {
"base": null,
"refs": {
"ListDistributedGrantsRequest$Filters": " Filters to scope the results. The following filters are supported: <ul> <code>LicenseArn</code>   <code>GrantStatus</code>   <code>GranteePrincipalARN</code>   <code>ProductSKU</code>   <code>LicenseIssuerName</code> ",
"ListLicenseManagerReportGeneratorsRequest$Filters": " Filters to scope the results. The following filters are supported: <ul> <code>LicenseConfigurationArn</code> ",
"ListLicensesRequest$Filters": " Filters to scope the results. The following filters are supported: <ul> <code>Beneficiary</code>   <code>ProductSKU</code>   <code>Fingerprint</code>   <code>Status</code> ",
"ListReceivedGrantsForOrganizationRequest$Filters": " Filters to scope the results. The following filters are supported: <ul> <code>ParentArn</code>   <code>GranteePrincipalArn</code> ",
"ListReceivedGrantsRequest$Filters": " Filters to scope the results. The following filters are supported: <ul> <code>ProductSKU</code>   <code>LicenseIssuerName</code>   <code>LicenseArn</code>   <code>GrantStatus</code>   <code>GranterAccountId</code> ",
"ListReceivedLicensesForOrganizationRequest$Filters": " Filters to scope the results. The following filters are supported: <ul> <code>Beneficiary</code>   <code>ProductSKU</code> ",
"ListReceivedLicensesRequest$Filters": " Filters to scope the results. The following filters are supported: <ul> <code>ProductSKU</code>   <code>Status</code>   <code>Fingerprint</code>   <code>IssuerName</code>   <code>Beneficiary</code> ",
"ListTokensRequest$Filters": " Filters to scope the results. The following filter is supported: <ul> <code>LicenseArns</code> "

```
    }
  },
  "FilterName": {
    "base": null,
    "refs": {
      "Filter$Name": "<p>Name of the filter. Filter names are case-sensitive.</p>"
     }
  },
  "FilterValue": {
    "base": null,
    "refs": {
      "FilterValues$member": null
    }
  },
  "FilterValues": {
    "base": null,
    "refs": {
      "Filter$Values": "<p>The value of the filter, which is case-sensitive. You can only specify one value for the filter.</p>"
    }
  },
  "Filters": {
    "base": null,
    "refs": {
      "ListLicenseConfigurationsRequest$Filters": "<p>Filters to scope the results. The following filters and logical operators are supported:</p> <ul> <li> <p> <code>licenseCountingType</code> - The dimension for which licenses are counted. Possible values are <code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> <li> <p> <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license enforcement is used. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>
 </li> <li> <p> <code>usagelimitExceeded</code> - A Boolean value that indicates whether the available licenses have been exceeded. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> </ul>",
      "ListLicenseConversionTasksRequest$Filters": "<p> Filters to scope the results. Valid filters are <code>ResourceArns</code> and <code>Status</code>. </p>",
      "ListUsageForLicenseConfigurationRequest$Filters": "<p>Filters to scope the results. The following filters and logical operators are supported:</p> <ul> <li> <p> <code>resourceArn</code> - The ARN of the license configuration resource. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> <li> <p> <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> <li> <p> <code>resourceAccount</code>
 - The ID of the account that owns the resource. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> </ul>"
    }
  },
  "GetAccessTokenRequest": {
    "base": null,
```

"refs": {
}
},
"GetAccessTokenResponse": {
"base": null,
"refs": {
}
},
"GetGrantRequest": {
"base": null,
"refs": {
}
},
"GetGrantResponse": {
"base": null,
"refs": {
}
},
"GetLicenseConfigurationRequest": {
"base": null,
"refs": {
}
},
"GetLicenseConfigurationResponse": {
"base": null,
"refs": {
}
},
"GetLicenseConversionTaskRequest": {
"base": null,
"refs": {
}
},
"GetLicenseConversionTaskResponse": {
"base": null,
"refs": {
}
},
"GetLicenseManagerReportGeneratorRequest": {
"base": null,
"refs": {
}
},
"GetLicenseManagerReportGeneratorResponse": {
"base":
null,
"refs": {
}

```
  },
  "GetLicenseRequest": {
    "base": null,
    "refs": {
    }
  },
  "GetLicenseResponse": {
    "base": null,
    "refs": {
    }
  },
  "GetLicenseUsageRequest": {
    "base": null,
    "refs": {
    }
  },
  "GetLicenseUsageResponse": {
    "base": null,
    "refs": {
    }
  },
  "GetServiceSettingsRequest": {
    "base": null,
    "refs": {
    }
  },
  "GetServiceSettingsResponse": {
    "base": null,
    "refs": {
    }
  },
  "Grant": {
    "base": "<p>Describes a grant.</p>",
    "refs": {
      "GetGrantResponse$Grant": "<p>Grant details.</p>",
      "GrantList$member": null
    }
  },
  "GrantList": {
    "base": null,
    "refs": {
      "ListDistributedGrantsResponse$Grants": "<p>Distributed grant details.</p>",
      "ListReceivedGrantsForOrganizationResponse$Grants": "<p>Lists the grants the organization has
received.</p>",
      "ListReceivedGrantsResponse$Grants":
 "<p>Received grant details.</p>"
    }
  },
```

"GrantStatus": {
"base": null,
"refs": {
"AcceptGrantResponse$Status": " Grant status. ",
"CreateGrantResponse$Status": " Grant status. ",
"CreateGrantVersionRequest$Status": " Grant status. ",
"CreateGrantVersionResponse$Status": " Grant status. ",
"DeleteGrantResponse$Status": " Grant status. ",
"Grant$GrantStatus": " Grant status. ",
"RejectGrantResponse$Status": " Grant status. "
}
},
"GrantedLicense": {
"base": " Describes a license that is granted to a grantee. ",
"refs": {
"GrantedLicenseList$member": null
}
},
"GrantedLicenseList": {
"base": null,
"refs": {
"ListReceivedLicensesForOrganizationResponse$Licenses": " Lists the licenses the organization has received. ",
"ListReceivedLicensesResponse$Licenses": " Received license details. "
}
},
"ISO8601DateTime": {
"base": null,
"refs": {
"CheckoutBorrowLicenseResponse$IssuedAt": " Date and time at which the license checkout is issued. ",
"CheckoutBorrowLicenseResponse$Expiration": " Date and time at which the license checkout expires. ",
"CheckoutLicenseResponse$IssuedAt": " Date and time at which the license checkout is issued. ",
"CheckoutLicenseResponse$Expiration": " Date and time at which the license checkout expires. ",
"DatetimeRange$Begin": " Start of the time range. ",
"DatetimeRange$End": " End of the time range. ",
"DeleteLicenseResponse$DeletionDate": " Date when the license is deleted. ",
"ExtendLicenseConsumptionResponse$Expiration": " Date and time at which the license consumption expires. ",
"GrantedLicense$CreateTime": " Creation time of the granted license. ",
"License$CreateTime": " License creation time. ",
"TokenData$ExpirationTime": " Token expiration time, in ISO8601-UTC format. "
}
},
"Integer": {

"base": null,
"refs": {
"CreateTokenRequest$ExpirationInDays": " Token expiration, in days, counted from token creation. The default is 365 days. ",
"ReportFrequency$value": " Number of times within the frequency period that a report is generated. The only supported value is <code>1</code>. "
}
},
"InvalidParameterValueException": {
"base": " One or more parameter values are not valid. ",
"refs": {
}
},
"InvalidResourceStateException": {
"base": " License Manager cannot allocate a license to a resource because of its state. For example, you cannot allocate a license to an instance in the process of shutting down. ",
"refs": {
}
},
"InventoryFilter": {
"base": " An inventory filter. ",
"refs": {

"InventoryFilterList$member": null
}
},
"InventoryFilterCondition": {
"base": null,
"refs": {
"InventoryFilter$Condition": " Condition of the filter. "
}
},
"InventoryFilterList": {
"base": null,
"refs": {
"ListResourceInventoryRequest$Filters": " Filters to scope the results. The following filters and logical operators are supported: <ul> <code>account_id</code> - The ID of the Amazon Web Services account that owns the resource. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.   <code>application_name</code> - The name of the application. Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.   <code>license_included</code> - The type of license included. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. Possible values are <code>sql-server-enterprise</code> | <code>sql-server-standard</code> | <code>sql-server-web</code>
| <code>windows-server-datacenter</code>.   <code>platform</code> - The platform of the resource. Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.   <code>resource_id</code> - The ID of the resource. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.   <code>tag:<key></code> - The key/value combination of a tag assigned to the resource. Logical operators are <code>EQUALS</code> (single account) or

```
<code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account).</p> </li> </ul>"
    }
  },
  "Issuer": {
    "base": "<p>Details about the issuer of a license.</p>",
    "refs": {
      "CreateLicenseRequest$Issuer": "<p>License issuer.</p>",
      "CreateLicenseVersionRequest$Issuer": "<p>License issuer.</p>"
    }
  },
  "IssuerDetails": {
    "base": "<p>Details associated with the issuer of a license.</p>",
    "refs": {
      "GrantedLicense$Issuer": "<p>Granted
 license issuer.</p>",
      "License$Issuer": "<p>License issuer.</p>"
    }
  },
  "License": {
    "base": "<p>Software license that is managed in License Manager.</p>",
    "refs": {
      "GetLicenseResponse$License": "<p>License details.</p>",
      "LicenseList$member": null
    }
  },
  "LicenseConfiguration": {
    "base": "<p>A license configuration is an abstraction of a customer license agreement that can be consumed and
enforced by License Manager. Components include specifications for the license type (licensing by instance, socket,
CPU, or vCPU), allowed tenancy (shared tenancy, Dedicated Instance, Dedicated Host, or all of these), host affinity
(how long a VM must be associated with a host), and the number of licenses purchased and used.</p>",
    "refs": {
      "LicenseConfigurations$member": null
    }
  },
  "LicenseConfigurationAssociation": {
    "base": "<p>Describes an association with a license configuration.</p>",
     "refs": {
      "LicenseConfigurationAssociations$member": null
    }
  },
  "LicenseConfigurationAssociations": {
    "base": null,
    "refs": {
      "ListAssociationsForLicenseConfigurationResponse$LicenseConfigurationAssociations": "<p>Information
about the associations for the license configuration.</p>"
    }
  },
  "LicenseConfigurationStatus": {
```

"base": null,
"refs": {
"UpdateLicenseConfigurationRequest$LicenseConfigurationStatus": " New status of the license configuration. "
}
},
"LicenseConfigurationUsage": {
"base": " Details about the usage of a resource associated with a license configuration. ",
"refs": {
"LicenseConfigurationUsageList$member": null
}
},
"LicenseConfigurationUsageList": {
"base": null,
"refs": {
"ListUsageForLicenseConfigurationResponse$LicenseConfigurationUsageList": " Information about the license configurations. "
}

},
"LicenseConfigurations": {
"base": null,
"refs": {
"ListLicenseConfigurationsResponse$LicenseConfigurations": " Information about the license configurations. "
}
},
"LicenseConversionContext": {
"base": " Information about a license type conversion task. ",
"refs": {
"CreateLicenseConversionTaskForResourceRequest$SourceLicenseContext": " Information that identifies the license type you are converting from. For the structure of the source license, see Convert a license type using the CLI in the License Manager User Guide. ",
"CreateLicenseConversionTaskForResourceRequest$DestinationLicenseContext": " Information that identifies the license type you are converting to. For the structure of the destination license, see Convert
a license type using the CLI in the License Manager User Guide. ",
"GetLicenseConversionTaskResponse$SourceLicenseContext": " Information about the license type converted from. ",
"GetLicenseConversionTaskResponse$DestinationLicenseContext": " Information about the license type converted to. ",
"LicenseConversionTask$SourceLicenseContext": " Information about the license type this conversion task converted from. ",
"LicenseConversionTask$DestinationLicenseContext": " Information about the license type this conversion task converted to. "
}

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  },
  "LicenseConversionTask": {
    "base": "<p>Information about a license type conversion task.</p>",
    "refs": {
      "LicenseConversionTasks$member": null
    }
  },
  "LicenseConversionTaskId": {
    "base": null,
    "refs": {
      "CreateLicenseConversionTaskForResourceResponse$LicenseConversionTaskId":
 "<p>The ID of the created license type conversion task.</p>",
      "GetLicenseConversionTaskRequest$LicenseConversionTaskId": "<p>ID of the license type conversion task to
retrieve information on.</p>",
      "GetLicenseConversionTaskResponse$LicenseConversionTaskId": "<p>ID of the license type conversion
task.</p>",
      "LicenseConversionTask$LicenseConversionTaskId": "<p>The ID of the license type conversion task.</p>"
    }
  },
  "LicenseConversionTaskStatus": {
    "base": null,
    "refs": {
      "GetLicenseConversionTaskResponse$Status": "<p>Status of the license type conversion task.</p>",
      "LicenseConversionTask$Status": "<p>The status of the conversion task.</p>"
    }
  },
  "LicenseConversionTasks": {
    "base": null,
    "refs": {
      "ListLicenseConversionTasksResponse$LicenseConversionTasks": "<p>Information about the license
configuration tasks for your account.</p>"
    }
  },
  "LicenseCountingType":
 {
    "base": null,
    "refs": {
      "CreateLicenseConfigurationRequest$LicenseCountingType": "<p>Dimension used to track the license
inventory.</p>",
      "GetLicenseConfigurationResponse$LicenseCountingType": "<p>Dimension for which the licenses are
counted.</p>",
      "LicenseConfiguration$LicenseCountingType": "<p>Dimension to use to track the license inventory.</p>"
    }
  },
  "LicenseDeletionStatus": {
    "base": null,
    "refs": {
      "DeleteLicenseResponse$Status": "<p>License status.</p>"
```

```
    }
  },
  "LicenseList": {
    "base": null,
    "refs": {
      "ListLicenseVersionsResponse$Licenses": "<p>License details.</p>",
      "ListLicensesResponse$Licenses": "<p>License details.</p>"
    }
  },
  "LicenseOperationFailure": {
    "base": "<p>Describes the failure of a license operation.</p>",
    "refs": {
      "LicenseOperationFailureList$member": null
    }
  },
  "LicenseOperationFailureList": {
    "base":
 null,
    "refs": {
      "ListFailuresForLicenseConfigurationOperationsResponse$LicenseOperationFailureList": "<p>License
configuration operations that failed.</p>"
    }
  },
  "LicenseSpecification": {
    "base": "<p>Details for associating a license configuration with a resource.</p>",
    "refs": {
      "LicenseSpecifications$member": null
    }
  },
  "LicenseSpecifications": {
    "base": null,
    "refs": {
      "ListLicenseSpecificationsForResourceResponse$LicenseSpecifications": "<p>License configurations
associated with a resource.</p>",
      "UpdateLicenseSpecificationsForResourceRequest$AddLicenseSpecifications": "<p>ARNs of the license
configurations to add.</p>",
      "UpdateLicenseSpecificationsForResourceRequest$RemoveLicenseSpecifications": "<p>ARNs of the license
configurations to remove.</p>"
    }
  },
  "LicenseStatus": {
    "base": null,
    "refs": {
      "CreateLicenseResponse$Status": "<p>License status.</p>",
       "CreateLicenseVersionRequest$Status": "<p>License status.</p>",
      "CreateLicenseVersionResponse$Status": "<p>License status.</p>",
      "GrantedLicense$Status": "<p>Granted license status.</p>",
      "License$Status": "<p>License status.</p>"
```

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    }
  },
  "LicenseUsage": {
    "base": "<p>Describes the entitlement usage associated with a license.</p>",
    "refs": {
      "GetLicenseUsageResponse$LicenseUsage": "<p>License usage details.</p>"
    }
  },
  "LicenseUsageException": {
    "base": "<p>You do not have enough licenses available to support a new resource launch.</p>",
    "refs": {
    }
  },
  "ListAssociationsForLicenseConfigurationRequest": {
    "base": null,
    "refs": {
    }
  },
  "ListAssociationsForLicenseConfigurationResponse": {
    "base": null,
    "refs": {
    }
  },
  "ListDistributedGrantsRequest": {
    "base": null,
    "refs": {
    }
  },
  "ListDistributedGrantsResponse":
{
    "base": null,
    "refs": {
    }
  },
  "ListFailuresForLicenseConfigurationOperationsRequest": {
    "base": null,
    "refs": {
    }
  },
  "ListFailuresForLicenseConfigurationOperationsResponse": {
    "base": null,
    "refs": {
    }
  },
  "ListLicenseConfigurationsRequest": {
    "base": null,
    "refs": {
    }
```

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  },
  "ListLicenseConfigurationsResponse": {
    "base": null,
    "refs": {
    }
  },
  "ListLicenseConversionTasksRequest": {
    "base": null,
    "refs": {
    }
  },
  "ListLicenseConversionTasksResponse": {
    "base": null,
    "refs": {
    }
  },
  "ListLicenseManagerReportGeneratorsRequest": {
    "base": null,
    "refs": {
    }
  },
  "ListLicenseManagerReportGeneratorsResponse": {
    "base": null,
    "refs": {
    }
  },
  "ListLicenseSpecificationsForResourceRequest": {
    "base": null,
    "refs": {
    }
  },
  "ListLicenseSpecificationsForResourceResponse":
{
    "base": null,
    "refs": {
    }
  },
  "ListLicenseVersionsRequest": {
    "base": null,
    "refs": {
    }
  },
  "ListLicenseVersionsResponse": {
    "base": null,
    "refs": {
    }
  },
  "ListLicensesRequest": {
```

"base": null,
"refs": {
}
},
"ListLicensesResponse": {
"base": null,
"refs": {
}
},
"ListReceivedGrantsForOrganizationRequest": {
"base": null,
"refs": {
}
},
"ListReceivedGrantsForOrganizationResponse": {
"base": null,
"refs": {
}
},
"ListReceivedGrantsRequest": {
"base": null,
"refs": {
}
},
"ListReceivedGrantsResponse": {
"base": null,
"refs": {
}
},
"ListReceivedLicensesForOrganizationRequest": {
"base": null,
"refs": {
}
},
"ListReceivedLicensesForOrganizationResponse": {
"base": null,
"refs": {
}
},
"ListReceivedLicensesRequest":
{
"base": null,
"refs": {
}
},
"ListReceivedLicensesResponse": {
"base": null,
"refs": {

```
  }
},
"ListResourceInventoryRequest": {
  "base": null,
  "refs": {
  }
},
"ListResourceInventoryResponse": {
  "base": null,
  "refs": {
  }
},
"ListTagsForResourceRequest": {
  "base": null,
  "refs": {
  }
},
"ListTagsForResourceResponse": {
  "base": null,
  "refs": {
  }
},
"ListTokensRequest": {
  "base": null,
  "refs": {
  }
},
"ListTokensResponse": {
  "base": null,
  "refs": {
  }
},
"ListUsageForLicenseConfigurationRequest": {
  "base": null,
  "refs": {
  }
},
"ListUsageForLicenseConfigurationResponse": {
  "base": null,
  "refs": {
  }
},
"Location": {
  "base": null,
  "refs": {
    "RedirectException$Location": null
  }
},
```

"Long":
{
"base": null,
"refs": {
"Entitlement$MaxCount": " Maximum entitlement count. Use if the unit is not None. "
}
},
"ManagedResourceSummary": {
"base": " Summary information about a managed resource. ",
"refs": {
"ManagedResourceSummaryList$member": null
}
},
"ManagedResourceSummaryList": {
"base": null,
"refs": {
"GetLicenseConfigurationResponse$ManagedResourceSummaryList": " Summaries of the managed resources. ",
"LicenseConfiguration$ManagedResourceSummaryList": " Summaries for managed resources. "
}
},
"MaxSize100": {
"base": null,
"refs": {
"ListDistributedGrantsRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListLicenseManagerReportGeneratorsRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListLicenseVersionsRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListLicensesRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListReceivedGrantsForOrganizationRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListReceivedGrantsRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListReceivedLicensesForOrganizationRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListReceivedLicensesRequest$MaxResults": " Maximum number of results to return in a single call. ",
"ListTokensRequest$MaxResults": " Maximum number of results to return in a single call. "
}
},
"MaxSize3StringList": {
"base": null,
"refs": {
"CreateTokenRequest$TokenProperties": " Data specified by the caller to be included in the JWT token. The data is mapped to the amr claim of the JWT token. ",

"GetAccessTokenRequest$TokenProperties": " Token properties to validate against those present in the JWT token. ",
"TokenData$TokenProperties": " Data specified by the caller. "

```
    }
  },
  "Message": {
    "base": null,
    "refs": {
      "AccessDeniedException$Message": null,
      "AuthorizationException$Message": null,
      "ConflictException$Message": null,
      "EntitlementNotAllowedException$Message": null,
      "FailedDependencyException$Message": null,
      "FilterLimitExceededException$Message": null,
      "InvalidParameterValueException$Message": null,
      "InvalidResourceStateException$Message": null,
      "LicenseUsageException$Message": null,
      "NoEntitlementsAllowedException$Message": null,
      "RateLimitExceededException$Message": null,
      "RedirectException$Message": null,
      "ResourceLimitExceededException$Message": null,
      "ResourceNotFoundException$Message": null,
      "ServerInternalException$Message":
null,
      "UnsupportedDigitalSignatureMethodException$Message": null,
      "ValidationException$Message": null
    }
  },
  "Metadata": {
    "base": "<p>Describes key/value pairs.</p>",
    "refs": {
      "MetadataList$member": null
    }
  },
  "MetadataList": {
    "base": null,
    "refs": {
      "CheckoutBorrowLicenseRequest$CheckoutMetadata": "<p>Information about constraints.</p>",
      "CheckoutBorrowLicenseResponse$CheckoutMetadata": "<p>Information about constraints.</p>",
      "CreateLicenseRequest$LicenseMetadata": "<p>Information about the license.</p>",
      "CreateLicenseVersionRequest$LicenseMetadata": "<p>Information about the license.</p>",
      "GrantedLicense$LicenseMetadata": "<p>Granted license metadata.</p>",
      "License$LicenseMetadata": "<p>License metadata.</p>",
      "LicenseOperationFailure$MetadataList": "<p>Reserved.</p>"
    }
  },
  "NoEntitlementsAllowedException": {

   "base": "<p>There are no entitlements found for this license, or the entitlement maximum count is reached.</p>",
    "refs": {
    }
```

},
"Options": {
"base": " The options you can specify when you create a new version of a grant, such as activation override behavior. For more information, see Granted licenses in License Manager in the License Manager User Guide. ",
"refs": {
"CreateGrantVersionRequest$Options": " The options specified for the grant. ",
"Grant$Options": " The options specified for the grant. "
}
},
"OrganizationConfiguration": {
"base": " Configuration information for Organizations. ",
"refs": {
"GetServiceSettingsResponse$OrganizationConfiguration": " Indicates whether Organizations is integrated with License Manager for cross-account discovery. ",
"UpdateServiceSettingsRequest$OrganizationConfiguration": " Enables integration with Organizations for cross-account discovery. "
}
},
"PrincipalArnList": {
"base": null,
"refs": {
"CreateGrantRequest$Principals": " The grant principals. You can specify one of the following as an Amazon Resource Name (ARN): <ul> An Amazon Web Services account, which includes only the account specified.   An organizational unit (OU), which includes all accounts in the OU.   An organization, which will include all accounts across your organization. "
}
},
"ProductInformation": {
"base": " Describes product information for a license configuration. ",
"refs": {
"ProductInformationList$member": null
}
},
"ProductInformationFilter": {
"base": " Describes product information filters. ",
"refs": {
"ProductInformationFilterList$member": null
}
},
"ProductInformationFilterList": {
"base": null,
"refs": {
"ProductInformation$ProductInformationFilterList": " A Product information filter consists of a <code>ProductInformationFilterComparator</code> which is a logical operator, a

<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies the value to filter on. Accepted values for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. The following filters and are supported when the resource type is <code>SSM_MANAGED</code>: <ul> <code>Application Name</code> - The name of the application. Logical operator is <code>EQUALS</code>.   <code>Application Publisher</code> - The publisher of the application. Logical operator is <code>EQUALS</code>.   <code>Application Version</code> - The version of the application. Logical operator is <code>EQUALS</code>.   <code>Platform Name</code> - The name of the platform. Logical operator is <code>EQUALS</code>.   <code>Platform Type</code> - The platform type. Logical operator is <code>EQUALS</code>.   <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.   <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>.   <code>License Included</code> - The type of license included. Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>. Possible values are: <code>sql-server-enterprise</code> | <code>sql-server-standard</code> | <code>sql-server-web</code> | <code>windows-server-datacenter</code>.   The following filters and logical operators are supported when the resource type is <code>RDS</code>: <ul> <code>Engine Edition</code> - The edition of the database engine. Logical operator is <code>EQUALS</code>. Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>.   <code>License Pack</code> - The license pack. Logical operator is <code>EQUALS</code>. Possible values are: <code>data guard</code> | <code>diagnostic pack sqlt</code> | <code>tuning pack sqlt</code> | <code>ols</code> | <code>olap</code>. "
    }
  },
  "ProductInformationList": {
    "base": null,
    "refs": {
      "CreateLicenseConfigurationRequest$ProductInformationList":
" Product information. ",
      "GetLicenseConfigurationResponse$ProductInformationList": " Product information. ",
      "LicenseConfiguration$ProductInformationList": " Product information. ",
      "UpdateLicenseConfigurationRequest$ProductInformationList": " New product information. "
    }
  },
  "ProvisionalConfiguration": {
    "base": " Details about a provisional configuration. ",
    "refs": {
      "ConsumptionConfiguration$ProvisionalConfiguration": " Details about a provisional configuration. "
    }
  },
  "RateLimitExceededException": {
    "base": " Too many requests have been submitted. Try again after a brief wait. ",
    "refs": {
    }

```
  },
  "ReceivedMetadata": {
    "base": "<p>Metadata associated with received licenses and grants.</p>",
    "refs": {
      "GrantedLicense$ReceivedMetadata": "<p>Granted license received metadata.</p>"
     }
  },
  "ReceivedStatus": {
    "base": null,
    "refs": {
      "ReceivedMetadata$ReceivedStatus": "<p>Received status.</p>"
    }
  },
  "RedirectException": {
    "base": "<p>This is not the correct Region for the resource. Try again.</p>",
    "refs": {
    }
  },
  "RejectGrantRequest": {
    "base": null,
    "refs": {
    }
  },
  "RejectGrantResponse": {
    "base": null,
    "refs": {
    }
  },
  "RenewType": {
    "base": null,
    "refs": {
      "ConsumptionConfiguration$RenewType": "<p>Renewal frequency.</p>"
    }
  },
  "ReportContext": {
    "base": "<p>Details of the license configuration that this generator reports on.</p>",
    "refs": {
      "CreateLicenseManagerReportGeneratorRequest$ReportContext": "<p>Defines the type of license
configuration the report generator tracks.</p>",
      "ReportGenerator$ReportContext": "<p>License configuration type for this generator.</p>",
      "UpdateLicenseManagerReportGeneratorRequest$ReportContext":
 "<p>The report context.</p>"
    }
  },
  "ReportFrequency": {
    "base": "<p>Details about how frequently reports are generated.</p>",
    "refs": {
      "CreateLicenseManagerReportGeneratorRequest$ReportFrequency": "<p>Frequency by which reports are
```

generated. Reports can be generated daily, monthly, or weekly. ",
"ReportGenerator$ReportFrequency": " Details about how frequently reports are generated. ",
"UpdateLicenseManagerReportGeneratorRequest$ReportFrequency": " Frequency by which reports are generated. "
}
},
"ReportFrequencyType": {
"base": null,
"refs": {
"ReportFrequency$period": " Time period between each report. The period can be daily, weekly, or monthly. "
}
},
"ReportGenerator": {
"base": " Describe the details of a report generator. ",
"refs": {
"GetLicenseManagerReportGeneratorResponse$ReportGenerator":
" A report generator that creates periodic reports about your license configurations. ",
"ReportGeneratorList$member": null
}
},
"ReportGeneratorList": {
"base": null,
"refs": {
"ListLicenseManagerReportGeneratorsResponse$ReportGenerators": " A report generator that creates periodic reports about your license configurations. "
}
},
"ReportGeneratorName": {
"base": null,
"refs": {
"CreateLicenseManagerReportGeneratorRequest$ReportGeneratorName": " Name of the report generator. ",
"UpdateLicenseManagerReportGeneratorRequest$ReportGeneratorName": " Name of the report generator. "
}
},
"ReportType": {
"base": null,
"refs": {
"ReportTypeList$member": null
}
},
"ReportTypeList": {
"base": null,
"refs": {
"CreateLicenseManagerReportGeneratorRequest$Type": " Type of reports to generate. The following report types an

be generated: <ul> License configuration report - Reports the number and details of consumed licenses for a license configuration.   Resource report - Reports the tracked licenses and resource consumption for a license configuration. ",
"ReportGenerator$ReportType": " Type of reports that are generated. ",
"UpdateLicenseManagerReportGeneratorRequest$Type": " Type of reports to generate. The following report types are supported: <ul> License configuration report - Reports the number and details of consumed licenses for a license configuration.   Resource report - Reports the tracked licenses and resource consumption for a license configuration. "
}
},
"ResourceInventory": {
"base": " Details about a resource. ",
"refs": {
"ResourceInventoryList$member": null
}
},
"ResourceInventoryList": {
"base": null,
"refs": {
"ListResourceInventoryResponse$ResourceInventoryList": " Information about the resources. "
}
},
"ResourceLimitExceededException": {
"base": " Your resource limits have been exceeded. ",
"refs": {
}
},
"ResourceNotFoundException": {
"base": " The resource cannot be found. ",
"refs": {
}
},
"ResourceType": {
"base": null,
"refs": {
"ConsumedLicenseSummary$ResourceType": " Resource type of the resource consuming a license. ",
"LicenseConfigurationAssociation$ResourceType": " Type of server resource. ",
"LicenseConfigurationUsage$ResourceType": " Type of resource. ",
"LicenseOperationFailure$ResourceType": " Resource type. ",
"ManagedResourceSummary$ResourceType": " Type of resource associated with a license. ",
"ResourceInventory$ResourceType": " Type of resource. "
}
},
"S3Location": {
"base":
" Details of the S3 bucket that report generator reports are published to. ",
"refs": {
"ReportGenerator$S3Location": " Details of the S3 bucket that report generator reports are published

to. "
    }
  },
  "ServerInternalException": {
    "base": " The server experienced an internal error. Try again. ",
    "refs": {
    }
  },
  "SignedToken": {
    "base": null,
    "refs": {
      "CheckoutBorrowLicenseResponse$SignedToken": " Signed token. ",
      "CheckoutLicenseResponse$SignedToken": " Signed token. "
    }
  },
  "StatusReasonMessage": {
    "base": null,
    "refs": {
      "CreateGrantVersionRequest$StatusReason": " Grant status reason. ",
      "DeleteGrantRequest$StatusReason": " The Status reason for the delete request. ",
      "Grant$StatusReason": " Grant status reason. ",
      "ReceivedMetadata$ReceivedStatusReason": " Received status reason. "
    }
  },

"String": {
    "base": null,
    "refs": {
      "AcceptGrantResponse$Version": " Grant version. ",
      "CheckInLicenseRequest$LicenseConsumptionToken": " License consumption token. ",
      "CheckInLicenseRequest$Beneficiary": " License beneficiary. ",
      "CheckoutBorrowLicenseRequest$NodeId": " Node ID. ",
      "CheckoutBorrowLicenseResponse$LicenseConsumptionToken": " License consumption token. ",
      "CheckoutBorrowLicenseResponse$NodeId": " Node ID. ",
      "CheckoutLicenseRequest$ProductSKU": " Product SKU. ",
      "CheckoutLicenseRequest$KeyFingerprint": " Key fingerprint identifying the license. ",
      "CheckoutLicenseRequest$Beneficiary": " License beneficiary. ",
      "CheckoutLicenseRequest$NodeId": " Node ID. ",
      "CheckoutLicenseResponse$LicenseConsumptionToken": " License consumption token. ",
      "CheckoutLicenseResponse$NodeId": " Node ID. ",
      "CheckoutLicenseResponse$LicenseArn":
" Amazon Resource Name (ARN) of the checkout license. ",
      "CreateGrantRequest$GrantName": " Grant name. ",
      "CreateGrantRequest$HomeRegion": " Home Region of the grant. ",
      "CreateGrantResponse$Version": " Grant version. ",
      "CreateGrantVersionRequest$GrantName": " Grant name. ",
      "CreateGrantVersionRequest$SourceVersion": " Current version of the grant. ",
      "CreateGrantVersionResponse$Version": " New version of the grant. ",

"CreateLicenseConfigurationRequest$Name": " Name of the license configuration. ",
"CreateLicenseConfigurationRequest$Description": " Description of the license configuration. ",
"CreateLicenseConfigurationResponse$LicenseConfigurationArn": " Amazon Resource Name (ARN) of the license configuration. ",
"CreateLicenseManagerReportGeneratorRequest$Description": " Description of the report generator. ",
"CreateLicenseManagerReportGeneratorResponse$LicenseManagerReportGeneratorArn": " The Amazon Resource Name (ARN) of the new report generator. ",
"CreateLicenseRequest$LicenseName": " License name. ",
"CreateLicenseRequest$ProductName": " Product name. ",
"CreateLicenseRequest$ProductSKU": " Product SKU. ",
"CreateLicenseRequest$HomeRegion": " Home Region for the license. ",
"CreateLicenseRequest$Beneficiary": " License beneficiary. ",
"CreateLicenseResponse$Version": " License version. ",
"CreateLicenseVersionRequest$LicenseName": " License name. ",
"CreateLicenseVersionRequest$ProductName": " Product name. ",
"CreateLicenseVersionRequest$HomeRegion": " Home Region of the license. ",
"CreateLicenseVersionRequest$SourceVersion": " Current version of the license. ",
"CreateLicenseVersionResponse$Version": " New version of the license. ",
"CreateTokenResponse$TokenId": " Token ID. ",
"DeleteGrantRequest$Version": " Current version of the grant. ",
"DeleteGrantResponse$Version": " Grant version. ",
"DeleteLicenseConfigurationRequest$LicenseConfigurationArn": " ID of the license configuration. ",
"DeleteLicenseManagerReportGeneratorRequest$LicenseManagerReportGeneratorArn": " Amazon Resource Name (ARN) of the report generator to be deleted. ",
"DeleteLicenseRequest$SourceVersion": " Current version of the license. ",
"DeleteTokenRequest$TokenId": " Token ID. ",
"Entitlement$Name": " Entitlement name. ",
"Entitlement$Value": " Entitlement resource. Use only if the unit is None. ",
"EntitlementData$Name": " Entitlement data name. ",
"EntitlementData$Value": " Entitlement data value. ",
"EntitlementUsage$Name": " Entitlement usage name. ",
"EntitlementUsage$ConsumedValue": " Resource usage consumed. ",
"EntitlementUsage$MaxCount": " Maximum entitlement usage count. ",
"ExtendLicenseConsumptionRequest$LicenseConsumptionToken": " License consumption token. ",
"ExtendLicenseConsumptionResponse$LicenseConsumptionToken": " License consumption token. ",
"FailedDependencyException$ErrorCode": null,
"GetGrantRequest$Version": " Grant version. ",
"GetLicenseConfigurationRequest$LicenseConfigurationArn": " Amazon Resource Name (ARN) of the license configuration. ",
"GetLicenseConfigurationResponse$LicenseConfigurationId": " Unique ID for the license configuration. ",
"GetLicenseConfigurationResponse$LicenseConfigurationArn": " Amazon Resource Name (ARN) of the license configuration. ",
"GetLicenseConfigurationResponse$Name": " Name of the license configuration. ",
"GetLicenseConfigurationResponse$Description": " Description of the license

configuration. ",
"GetLicenseConfigurationResponse$Status": " License configuration status. ",
"GetLicenseConfigurationResponse$OwnerAccountId": " Account ID of the owner of the license configuration. ",
"GetLicenseConversionTaskResponse$ResourceArn": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. ",
"GetLicenseConversionTaskResponse$StatusMessage": " The status message for the conversion task. ",
"GetLicenseManagerReportGeneratorRequest$LicenseManagerReportGeneratorArn": " Amazon Resource Name (ARN) of the report generator. ",
"GetLicenseRequest$Version": " License version. ",
"GetServiceSettingsResponse$S3BucketArn": " Regional S3 bucket path for storing reports, license trail event data, discovery data, and so on. ",
"GetServiceSettingsResponse$SnsTopicArn": " SNS topic configured to receive notifications from License Manager. ",
"GetServiceSettingsResponse$LicenseManagerResourceShareArn": " Amazon Resource Name (ARN) of the resource share. The License Manager management account provides member accounts with access to this share. ",
"Grant$GrantName": " Grant name. ",
"Grant$HomeRegion": " Home Region of the grant. ",
"Grant$Version": " Grant version. ",
"GrantedLicense$LicenseName": " License name. ",
"GrantedLicense$ProductName": " Product name. ",
"GrantedLicense$ProductSKU": " Product SKU. ",
"GrantedLicense$HomeRegion": " Home Region of the granted license. ",
"GrantedLicense$Beneficiary": " Granted license beneficiary. ",
"GrantedLicense$Version": " Version of the granted license. ",
"InventoryFilter$Name": " Name of the filter. ",
"InventoryFilter$Value": " Value of the filter. ",
"Issuer$Name": " Issuer name. ",
"Issuer$SignKey":
" Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, and support the RSASSA-PSS SHA-256 signing algorithm. ",
"IssuerDetails$Name": " Issuer name. ",
"IssuerDetails$SignKey": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, and support the RSASSA-PSS SHA-256 signing algorithm. ",
"IssuerDetails$KeyFingerprint": " Issuer key fingerprint. ",
"License$LicenseName": " License name. ",
"License$ProductName": " Product name. ",
"License$ProductSKU": " Product SKU. ",
"License$HomeRegion": " Home Region of the license. ",
"License$Beneficiary": " License beneficiary. ",
"License$Version": " License version. ",
"LicenseConfiguration$LicenseConfigurationId": " Unique ID of the license configuration. ",
"LicenseConfiguration$LicenseConfigurationArn":
" Amazon Resource Name (ARN) of the license configuration. ",
"LicenseConfiguration$Name": " Name of the license configuration. ",
"LicenseConfiguration$Description": " Description of the license configuration. ",
"LicenseConfiguration$Status": " Status of the license configuration. ",

"LicenseConfiguration$OwnerAccountId": " Account ID of the license configuration's owner. ",
"LicenseConfigurationAssociation$ResourceArn": " Amazon Resource Name (ARN) of the resource. ",
"LicenseConfigurationAssociation$ResourceOwnerId": " ID of the Amazon Web Services account that owns the resource consuming licenses. ",
"LicenseConfigurationAssociation$AmiAssociationScope": " Scope of AMI associations. The possible value is <code>cross-account</code>. ",
"LicenseConfigurationUsage$ResourceArn": " Amazon Resource Name (ARN) of the resource. ",
"LicenseConfigurationUsage$ResourceStatus": " Status of the resource. ",
"LicenseConfigurationUsage$ResourceOwnerId": " ID of the account that owns the resource. ",
"LicenseConversionTask$ResourceArn": " The Amazon Resource Name (ARN) of the resource associated with the license type conversion task. ",
"LicenseConversionTask$StatusMessage": " The status message for the conversion task. ",
"LicenseOperationFailure$ResourceArn": " Amazon Resource Name (ARN) of the resource. ",
"LicenseOperationFailure$ErrorMessage": " Error message. ",
"LicenseOperationFailure$OperationName": " Name of the operation. ",
"LicenseOperationFailure$ResourceOwnerId": " ID of the Amazon Web Services account that owns the resource. ",
"LicenseOperationFailure$OperationRequestedBy": " The requester is \"License Manager Automated Discovery\". ",
"LicenseSpecification$LicenseConfigurationArn": " Amazon Resource Name (ARN) of the license configuration. ",
"LicenseSpecification$AmiAssociationScope": " Scope of AMI associations. The possible value is <code>cross-account</code>. ",
"ListAssociationsForLicenseConfigurationRequest$LicenseConfigurationArn": " Amazon Resource Name (ARN) of a license configuration. ",
"ListAssociationsForLicenseConfigurationRequest$NextToken": " Token for the next set of results. ",
"ListAssociationsForLicenseConfigurationResponse$NextToken": " Token for the next set of results. ",
"ListDistributedGrantsRequest$NextToken": " Token for the next set of results. ",
"ListDistributedGrantsResponse$NextToken": " Token for the next set of results. ",
"ListFailuresForLicenseConfigurationOperationsRequest$LicenseConfigurationArn": " Amazon Resource Name of the license configuration. ",
"ListFailuresForLicenseConfigurationOperationsRequest$NextToken": " Token for the next set of results. ",

"ListFailuresForLicenseConfigurationOperationsResponse$NextToken": " Token for the next set of results. ",
"ListLicenseConfigurationsRequest$NextToken": " Token for the next set of results. ",
"ListLicenseConfigurationsResponse$NextToken": " Token for the next set of results. ",
"ListLicenseConversionTasksRequest$NextToken": " Token for the next set of results. ",
"ListLicenseConversionTasksResponse$NextToken": " Token for the next set of results. ",
"ListLicenseManagerReportGeneratorsRequest$NextToken": " Token for the next set of results. ",
"ListLicenseManagerReportGeneratorsResponse$NextToken": " Token for the next set of results. ",
"ListLicenseSpecificationsForResourceRequest$ResourceArn": " Amazon Resource Name (ARN) of a resource that has an associated license configuration. ",
"ListLicenseSpecificationsForResourceRequest$NextToken": " Token for the next set of results. ",
"ListLicenseSpecificationsForResourceResponse$NextToken": " Token for the next set of results. ",
"ListLicenseVersionsRequest$NextToken": " Token for the next set of results. ",

"ListLicenseVersionsResponse$NextToken": " Token for the next set of results. ",
"ListLicensesRequest$NextToken": " Token for the next set of results. ",
"ListLicensesResponse$NextToken": " Token for the next set of results. ",
"ListReceivedGrantsForOrganizationRequest$NextToken": " Token for the next set of results. ",
"ListReceivedGrantsForOrganizationResponse$NextToken": " Token for the next set of results. ",
"ListReceivedGrantsRequest$NextToken": " Token for the next set of results. ",
"ListReceivedGrantsResponse$NextToken": " Token for the next set of results. ",
"ListReceivedLicensesForOrganizationRequest$NextToken": " Token for the next set of results. ",
"ListReceivedLicensesForOrganizationResponse$NextToken":
" Token for the next set of results. ",
"ListReceivedLicensesRequest$NextToken": " Token for the next set of results. ",
"ListReceivedLicensesResponse$NextToken": " Token for the next set of results. ",
"ListResourceInventoryRequest$NextToken": " Token for the next set of results. ",
"ListResourceInventoryResponse$NextToken": " Token for the next set of results. ",
"ListTagsForResourceRequest$ResourceArn": " Amazon Resource Name (ARN) of the license configuration. ",
"ListTokensRequest$NextToken": " Token for the next set of results. ",
"ListTokensResponse$NextToken": " Token for the next set of results. ",
"ListUsageForLicenseConfigurationRequest$LicenseConfigurationArn": " Amazon Resource Name (ARN) of the license configuration. ",
"ListUsageForLicenseConfigurationRequest$NextToken": " Token for the next set of results. ",
"ListUsageForLicenseConfigurationResponse$NextToken": " Token for the next set of results. ",
"MaxSize3StringList$member": null,
"Metadata$Name": " The key name. ",
"Metadata$Value": " The value. ",
"ProductInformation$ResourceType": " Resource type. The possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"ProductInformationFilter$ProductInformationFilterName": " Filter name. ",
"ProductInformationFilter$ProductInformationFilterComparator": " Logical operator. ",
"RejectGrantResponse$Version": " Grant version. ",
"ReportGenerator$ReportGeneratorName": " Name of the report generator. ",
"ReportGenerator$LicenseManagerReportGeneratorArn": " Amazon Resource Name (ARN) of the report generator. ",
"ReportGenerator$LastRunStatus": " Status of the last report generation attempt. ",
"ReportGenerator$LastRunFailureReason": " Failure
message for the last report generation attempt. ",
"ReportGenerator$LastReportGenerationTime": " Time the last report was generated at. ",
"ReportGenerator$ReportCreatorAccount": " The Amazon Web Services account ID used to create the report generator. ",
"ReportGenerator$Description": " Description of the report generator. ",
"ReportGenerator$CreateTime": " Time the report was created. ",
"ResourceInventory$ResourceId": " ID of the resource. ",
"ResourceInventory$ResourceArn": " Amazon Resource Name (ARN) of the resource. ",
"ResourceInventory$Platform": " Platform of the resource. ",
"ResourceInventory$PlatformVersion": " Platform version of the resource in the inventory. ",
"ResourceInventory$ResourceOwningAccountId": " ID of the account that owns the resource. ",
"S3Location$bucket": " Name of the S3 bucket reports are published to. ",

"S3Location$keyPrefix": " Prefix of the S3 bucket reports are published to. ",
"StringList$member": null,
"Tag$Key": " Tag key. ",
"Tag$Value": " Tag value. ",
"TagKeyList$member": null,
"TagResourceRequest$ResourceArn": " Amazon Resource Name (ARN) of the license configuration. ",
"TokenData$TokenId": " Token ID. ",
"TokenData$TokenType": " Type of token generated. The supported value is <code>REFRESH_TOKEN</code>. ",
"TokenData$LicenseArn": " Amazon Resource Name (ARN) of the license. ",
"TokenData$Status": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. ",
"UntagResourceRequest$ResourceArn": " Amazon Resource Name (ARN) of the license configuration. ",
"UpdateLicenseConfigurationRequest$LicenseConfigurationArn": " Amazon Resource Name (ARN) of the license configuration. ",
"UpdateLicenseConfigurationRequest$Name": " New name of the license configuration. ",
"UpdateLicenseConfigurationRequest$Description": " New description of the license configuration. ",
"UpdateLicenseManagerReportGeneratorRequest$LicenseManagerReportGeneratorArn": " Amazon Resource Name (ARN) of the report generator to update. ",
"UpdateLicenseManagerReportGeneratorRequest$Description": " Description of the report generator. ",
"UpdateLicenseSpecificationsForResourceRequest$ResourceArn": " Amazon Resource Name (ARN) of the Amazon Web Services resource. ",
"UpdateServiceSettingsRequest$S3BucketArn": " Amazon Resource Name (ARN) of the Amazon S3 bucket where the License Manager information is stored. ",
"UpdateServiceSettingsRequest$SnsTopicArn": " Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts. "
}
},
"StringList": {
"base": null,
"refs": {
"CreateLicenseConfigurationRequest$LicenseRules": " License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules vary by dimension, as follows.   <code>Cores</code> dimension: <code>allowedTenancy</code> | <code>licenseAffinityToHost</code> | <code>maximumCores</code> | <code>minimumCores</code>   <code>Instances</code> dimension: <code>allowedTenancy</code> | <code>maximumCores</code> | <code>minimumCores</code> | <code>maximumSockets</code> | <code>minimumSockets</code> | <code>maximumVcpus</code> | <code>minimumVcpus</code>   <code>Sockets</code> dimension: <code>allowedTenancy</code> | <code>licenseAffinityToHost</code> | <code>maximumSockets</code> | <code>minimumSockets</code>   <code>vCPUs</code> dimension: <code>allowedTenancy</code> | <code>honorVcpuOptimization</code> | <code>maximumVcpus</code> | <code>minimumVcpus</code>   The unit for <code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible values for <code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and <code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are <code>True</code> and <code>False</code>. ",

"GetLicenseConfigurationResponse$LicenseRules": " License rules. ",
"LicenseConfiguration$LicenseRules": " License rules. ",
"ListLicenseConfigurationsRequest$LicenseConfigurationArns": " Amazon Resource Names (ARN) of the license configurations. ",
"ListTokensRequest$TokenIds": " Token IDs. ",
"ProductInformationFilter$ProductInformationFilterValue": " Filter value. ",
"UpdateLicenseConfigurationRequest$LicenseRules": " New license rule. The only rule that you can add after you create a license configuration is licenseAffinityToHost. "
}
},
"Tag": {
"base": " Details about a tag
for a license configuration. ",
"refs": {
"TagList$member": null
}
},
"TagKeyList": {
"base": null,
"refs": {
"UntagResourceRequest$TagKeys": " Keys identifying the tags to remove. "
}
},
"TagList": {
"base": null,
"refs": {
"CreateLicenseConfigurationRequest$Tags": " Tags to add to the license configuration. ",
"CreateLicenseManagerReportGeneratorRequest$Tags": " Tags to add to the report generator. ",
"GetLicenseConfigurationResponse$Tags": " Tags for the license configuration. ",
"ListTagsForResourceResponse$Tags": " Information about the tags. ",
"ReportGenerator$Tags": " Tags associated with the report generator. ",
"TagResourceRequest$Tags": " One or more tags. "
}
},
"TagResourceRequest": {
"base": null,
"refs": {
}
},
"TagResourceResponse": {
"base": null,
"refs": {

}
},
"TokenData": {
"base": " Describes a token. ",
"refs": {

"TokenList$member": null
}
},
"TokenList": {
"base": null,
"refs": {
"ListTokensResponse$Tokens": " Received token details. "
}
},
"TokenString": {
"base": null,
"refs": {
"CreateTokenResponse$Token": " Refresh token, encoded as a JWT token. ",
"GetAccessTokenRequest$Token": " Refresh token, encoded as a JWT token. ",
"GetAccessTokenResponse$AccessToken": " Temporary access token. "
}
},
"TokenType": {
"base": null,
"refs": {
"CreateTokenResponse$TokenType": " Token type. "
}
},
"UnsupportedDigitalSignatureMethodException": {
"base": " The digital signature method is unsupported. Try your request again. ",
"refs": {
}
},
"UntagResourceRequest": {
"base": null,
"refs": {
}
},
"UntagResourceResponse":
{
"base": null,
"refs": {
}
},
"UpdateLicenseConfigurationRequest": {
"base": null,
"refs": {
}
},
"UpdateLicenseConfigurationResponse": {
"base": null,
"refs": {
}

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  },
  "UpdateLicenseManagerReportGeneratorRequest": {
    "base": null,
    "refs": {
    }
  },
  "UpdateLicenseManagerReportGeneratorResponse": {
    "base": null,
    "refs": {
    }
  },
  "UpdateLicenseSpecificationsForResourceRequest": {
    "base": null,
    "refs": {
    }
  },
  "UpdateLicenseSpecificationsForResourceResponse": {
    "base": null,
    "refs": {
    }
  },
  "UpdateServiceSettingsRequest": {
    "base": null,
    "refs": {
    }
  },
  "UpdateServiceSettingsResponse": {
    "base": null,
    "refs": {
    }
  },
  "UsageOperation": {
    "base": null,
    "refs": {
      "LicenseConversionContext$UsageOperation": "<p>The Usage operation value
 that corresponds to the license type you are converting your resource from. For more information about which
platforms correspond to which usage operation values see <a
href=\"https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/billing-info-fields.html#billing-info\">Sample
data: usage operation by platform </a> </p>"
    }
  },
  "ValidationException": {
    "base": "<p>The provided input is not valid. Try your request again.</p>",
    "refs": {
    }
  }
 }
}
```

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{
  "testCases": [
    {
      "documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.af-south-1.amazonaws.com"
        }
      },
      "params": {
        "UseFIPS": false,
        "UseDualStack": false,
        "Region": "af-south-1"
      }
    },
    {
      "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.ap-east-1.amazonaws.com"
        }
      },
      "params": {
        "UseFIPS": false,
        "UseDualStack": false,
        "Region": "ap-east-1"
      }
    },
    {
      "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",

  "expect": {
        "endpoint": {
          "url": "https://license-manager.ap-northeast-1.amazonaws.com"
        }
      },
      "params": {
        "UseFIPS": false,
        "UseDualStack": false,
        "Region": "ap-northeast-1"
      }
    },
    {
      "documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.ap-northeast-2.amazonaws.com"
        }
```

```
        },
        "params": {
          "UseFIPS": false,
          "UseDualStack": false,
          "Region": "ap-northeast-2"
        }
      },
      {
        "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.ap-northeast-3.amazonaws.com"
           }
        },
        "params": {
          "UseFIPS": false,
          "UseDualStack": false,
          "Region": "ap-northeast-3"
        }
      },
      {
        "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.ap-south-1.amazonaws.com"
          }
        },
        "params": {
          "UseFIPS": false,
          "UseDualStack": false,
          "Region": "ap-south-1"
        }
      },
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        "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.ap-southeast-1.amazonaws.com"
          }
        },
        "params": {
          "UseFIPS": false,
          "UseDualStack":
false,
          "Region": "ap-southeast-1"
        }
      },
      {
```

"documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-2.amazonaws.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Region": "ap-southeast-2"
}
},
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"documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ap-southeast-3.amazonaws.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Region": "ap-southeast-3"
}
},
{
"documentation":
"For region ca-central-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.ca-central-1.amazonaws.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Region": "ca-central-1"
}
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{
"documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-central-1.amazonaws.com"
}
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"params": {
"UseFIPS": false,

"UseDualStack": false,
"Region": "eu-central-1"
}
},
{
"documentation": "For region eu-north-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint":
{
"url": "https://license-manager.eu-north-1.amazonaws.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Region": "eu-north-1"
}
},
{
"documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-south-1.amazonaws.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Region": "eu-south-1"
}
},
{
"documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.eu-west-1.amazonaws.com"
}
},
"params":
{
"UseFIPS": false,
"UseDualStack": false,
"Region": "eu-west-1"
}
},
{
"documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
"expect": {

```
            "endpoint": {
                "url": "https://license-manager.eu-west-2.amazonaws.com"
            }
        },
        "params": {
            "UseFIPS": false,
            "UseDualStack": false,
            "Region": "eu-west-2"
        }
    },
    {
        "documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.eu-west-3.amazonaws.com"
            }
        },
        "params": {
            "UseFIPS": false,
            "UseDualStack": false,
            "Region": "eu-west-3"
        }

},
    {
        "documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.me-south-1.amazonaws.com"
            }
        },
        "params": {
            "UseFIPS": false,
            "UseDualStack": false,
            "Region": "me-south-1"
        }
    },
    {
        "documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.sa-east-1.amazonaws.com"
            }
        },
        "params": {
            "UseFIPS": false,
            "UseDualStack": false,
            "Region": "sa-east-1"
```

```
    }
},
{
    "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
    "expect": {

    "endpoint": {
            "url": "https://license-manager.us-east-1.amazonaws.com"
        }
    },
    "params": {
        "UseFIPS": false,
        "UseDualStack": false,
        "Region": "us-east-1"
    }
},
{
    "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager-fips.us-east-1.amazonaws.com"
        }
    },
    "params": {
        "UseFIPS": true,
        "UseDualStack": false,
        "Region": "us-east-1"
    }
},
{
    "documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager.us-east-2.amazonaws.com"
        }
    },

 "params": {
        "UseFIPS": false,
        "UseDualStack": false,
        "Region": "us-east-2"
    }
},
{
    "documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager-fips.us-east-2.amazonaws.com"
```

```
        }
      },
      "params": {
        "UseFIPS": true,
        "UseDualStack": false,
        "Region": "us-east-2"
      }
    },
    {
      "documentation": "For region us-west-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.us-west-1.amazonaws.com"
        }
      },
      "params": {
        "UseFIPS": false,
        "UseDualStack": false,
        "Region": "us-west-1"

  }
    },
    {
      "documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-fips.us-west-1.amazonaws.com"
        }
      },
      "params": {
        "UseFIPS": true,
        "UseDualStack": false,
        "Region": "us-west-1"
      }
    },
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      "documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.us-west-2.amazonaws.com"
        }
      },
      "params": {
        "UseFIPS": false,
        "UseDualStack": false,
        "Region": "us-west-2"
      }
    },
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    {
      "documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",
      "expect":
{
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          "url": "https://license-manager-fips.us-west-2.amazonaws.com"
        }
      },
      "params": {
        "UseFIPS": true,
        "UseDualStack": false,
        "Region": "us-west-2"
      }
    },
    {
      "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-fips.us-east-1.api.aws"
        }
      },
      "params": {
        "UseFIPS": true,
        "UseDualStack": true,
        "Region": "us-east-1"
      }
    },
    {
      "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.us-east-1.api.aws"
        }
      },

     "params": {
        "UseFIPS": false,
        "UseDualStack": true,
        "Region": "us-east-1"
      }
    },
    {
      "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.cn-north-1.amazonaws.com.cn"
        }
      },
```

```
    "params": {
        "UseFIPS": false,
        "UseDualStack": false,
        "Region": "cn-north-1"
    }
},
{
    "documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
        }
    },
    "params": {
        "UseFIPS": false,
        "UseDualStack": false,
        "Region": "cn-northwest-1"
     }
},
{
    "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
        }
    },
    "params": {
        "UseFIPS": true,
        "UseDualStack": true,
        "Region": "cn-north-1"
    }
},
{
    "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
        }
    },
    "params": {
        "UseFIPS": true,
        "UseDualStack": false,
        "Region": "cn-north-1"
    }
},
{
    "documentation": "For region cn-north-1 with FIPS disabled
```

and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": true,
"Region": "cn-north-1"
}
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{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-east-1.amazonaws.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Region": "us-gov-east-1"
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
}
},
"params": {
"UseFIPS": true,
"UseDualStack": false,
"Region": "us-gov-east-1"
}
},
{
"documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-west-1.amazonaws.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,

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        "Region": "us-gov-west-1"
      }
    },
    {
      "documentation": "For region us-gov-west-1 with FIPS enabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
        }
      },
      "params": {

        "UseFIPS": true,
        "UseDualStack": false,
        "Region": "us-gov-west-1"
      }
    },
    {
      "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-fips.us-gov-east-1.api.aws"
        }
      },
      "params": {
        "UseFIPS": true,
        "UseDualStack": true,
        "Region": "us-gov-east-1"
      }
    },
    {
      "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.us-gov-east-1.api.aws"
        }
      },
      "params": {
        "UseFIPS": false,
        "UseDualStack": true,
        "Region": "us-gov-east-1"
      }

  },
    {
      "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
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"url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Region": "us-iso-east-1"
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"UseFIPS": true,
"UseDualStack": true,
"Region": "us-iso-east-1"
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {

"endpoint": {
"url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"UseFIPS": true,
"UseDualStack": false,
"Region": "us-iso-east-1"
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"UseFIPS": false,
"UseDualStack": true,
"Region": "us-iso-east-1"
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {

```
            "endpoint": {
                "url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
            }
        },
        "params":
{
            "UseFIPS": false,
            "UseDualStack": false,
            "Region": "us-isob-east-1"
        }
    },
    {
        "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
            "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
        },
        "params": {
            "UseFIPS": true,
            "UseDualStack": true,
            "Region": "us-isob-east-1"
        }
    },
    {
        "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
            }
        },
        "params": {
            "UseFIPS": true,
            "UseDualStack": false,
            "Region": "us-isob-east-1"
        }
    },
    {
        "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
        "expect": {
            "error": "DualStack is enabled but this partition does not support DualStack"
        },
        "params": {
            "UseFIPS": false,
            "UseDualStack": true,
            "Region": "us-isob-east-1"
        }
    },
    {
        "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
```

```
    "expect": {
      "endpoint": {
        "url": "https://example.com"
      }
    },
    "params": {
      "UseFIPS": false,
      "UseDualStack": false,
      "Region": "us-east-1",
      "Endpoint": "https://example.com"
    }
  },
  {
    "documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
    "expect": {
      "endpoint": {
        "url": "https://example.com"
      }
    },
    "params": {
      "UseFIPS": false,
      "UseDualStack": false,
      "Endpoint": "https://example.com"
    }
  },
  {
    "documentation": "For custom endpoint with fips enabled and dualstack disabled",
    "expect": {
      "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
    },
    "params": {
      "UseFIPS": true,
      "UseDualStack": false,
      "Region": "us-east-1",
      "Endpoint": "https://example.com"
    }
  },
  {
    "documentation": "For custom endpoint with fips disabled and dualstack enabled",
    "expect": {
      "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
    },
    "params": {
      "UseFIPS": false,
      "UseDualStack": true,
      "Region": "us-east-1",
      "Endpoint": "https://example.com"
    }
```

```
      },
      {
         "documentation": "Missing region",
         "expect": {
            "error": "Invalid Configuration: Missing Region"
         }
      }
   ],
   "version": "1.0"
}
{
   "version": "1.0",
   "parameters": {
      "Region": {
         "builtIn": "AWS::Region",
         "required": false,
         "documentation": "The AWS region used to dispatch the request.",
         "type": "String"
      },
      "UseDualStack": {
         "builtIn": "AWS::UseDualStack",
         "required": true,
         "default": false,
         "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-
stack, dispatching the request MAY return an error.",
         "type": "Boolean"
      },
      "UseFIPS": {
         "builtIn": "AWS::UseFIPS",
         "required": true,
         "default": false,
         "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured
endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
         "type": "Boolean"
      },
      "Endpoint": {

    "builtIn": "SDK::Endpoint",
         "required": false,
         "documentation": "Override the endpoint used to send this request",
         "type": "String"
      }
   },
   "rules": [
      {
         "conditions": [
            {
               "fn": "isSet",
```

```
        "argv": [
          {
            "ref": "Endpoint"
          }
        ]
      }
    ],
    "rules": [
      {
        "conditions": [
          {
            "fn": "booleanEquals",
            "argv": [
              {
                "ref": "UseFIPS"
              },
              true
            ]
          }
        ],
        "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
         "type": "error"
      },
      {
        "conditions": [],
        "rules": [
          {
            "conditions": [
              {
                "fn": "booleanEquals",
                "argv": [
                  {
                    "ref": "UseDualStack"
                  },
                  true
                ]
              }
            ],
            "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
            "type": "error"
          },
          {
            "conditions": [],
            "endpoint": {
              "url": {

              "ref": "Endpoint"
              },
```

```
                "properties": {},
                "headers": {}
            },
            "type": "endpoint"
        }
    ],
    "type": "tree"
  }
],
"type": "tree"
},
{
  "conditions": [],
  "rules": [
    {
      "conditions": [
        {
          "fn": "isSet",
          "argv": [
            {
              "ref": "Region"
            }
          ]
        }
      ],
      "rules": [
        {
          "conditions": [
            {

"fn": "aws.partition",
              "argv": [
                {
                  "ref": "Region"
                }
              ],
              "assign": "PartitionResult"
            }
          ],
          "rules": [
            {
              "conditions": [
                {
                  "fn": "booleanEquals",
                  "argv": [
                    {
                      "ref": "UseFIPS"
                    },
```

```
                    true
                ]
            },

        {
                "fn": "booleanEquals",
                "argv": [
                    {
                        "ref": "UseDualStack"
                    },
                    true
                ]
            }
        ],
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {

    "fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsFIPS"
                                ]
                            }
                        ]
                    },
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {

"fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsDualStack"
                                ]
                            }
                        ]
```

```
                    }
                ],
                "rules": [
                    {
                        "conditions": [],
                        "rules": [
                            {

            "conditions": [],
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fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                    "properties": {},
                                    "headers": {}
                                },
                                "type": "endpoint"
                            }
                        ],
                        "type": "tree"
                    }
                ],
                "type": "tree"
            },

        {
                "conditions": [],
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both",
                "type": "error"
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        ],
        "type": "tree"
    },
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        "conditions": [
            {
                "fn": "booleanEquals",
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                        "ref": "UseFIPS"
                    },
                    true
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            }

        ],
        "rules": [
            {
```

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                      {
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                        "argv": [
                          {
                            "fn": "getAttr",
                            "argv": [
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                                "ref": "PartitionResult"
                              },
                              "supportsFIPS"
                            ]

},
                          true
                        ]
                      }
                    ],
                    "rules": [
                      {
                        "conditions": [],
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                          {
                            "conditions": [],
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                              "url": "https://license-manager-linux-subscriptions-
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                              "properties": {},
                              "headers": {}

                    },
                            "type": "endpoint"
                          }
                        ],
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                    "type": "error"
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},
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}
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{
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"argv": [
{
"ref": "PartitionResult"
},
"supportsDualStack"
]
}
]
}
],
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{
"conditions": [],
"rules": [

{
"conditions": [],
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                    "type": "tree"
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                "type": "error"
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   "output_token": "NextToken",
   "limit_key": "MaxResults",
   "result_key": "Instances"
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  "ListLinuxSubscriptions": {
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   "output_token": "NextToken",
   "limit_key": "MaxResults",
   "result_key": "Subscriptions"
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   "output_token": "NextToken",
   "limit_key": "MaxResults",
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  }
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}
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   "result_key": "IdentityProviderSummaries"
  },
  "ListInstances": {
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   "output_token": "NextToken",
   "limit_key": "MaxResults",
   "result_key": "InstanceSummaries"
  },
  "ListProductSubscriptions": {
   "input_token": "NextToken",
   "output_token": "NextToken",
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  },
  "ListUserAssociations": {
```

"input_token": "NextToken",
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}
}
}
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{
"version":"2.0",
"metadata":{
"apiVersion":"2018-05-10",
"endpointPrefix":"license-manager-user-subscriptions",
"jsonVersion":"1.1",
"protocol":"rest-json",
"serviceFullName":"AWS License Manager User Subscriptions",
"serviceId":"License Manager User Subscriptions",
"signatureVersion":"v4",
"signingName":"license-manager-user-subscriptions",
"uid":"license-manager-user-subscriptions-2018-05-10"
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"output":{"shape":"AssociateUserResponse"},
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"http":{
"method":"POST",
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    {"shape":"InternalServerException"},
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    "responseCode":200
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    {"shape":"InternalServerException"},
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{"shape":"AccessDeniedException"}
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{"shape":"ValidationException"},
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    "http":{
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    "exception":true
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  "ActiveDirectoryIdentityProvider":{
    "type":"structure",
    "members":{
      "DirectoryId":{"shape":"String"}
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    "required":[
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      "InstanceId",
      "Username"
    ],
    "members":{
      "Domain":{"shape":"String"},
      "IdentityProvider":{"shape":"IdentityProvider"},
      "InstanceId":{"shape":"String"},
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    "Username":{"shape":"String"}
  }
},
"AssociateUserResponse":{
  "type":"structure",
  "required":["InstanceUserSummary"],
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"BoxInteger":{
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"ConflictException":{
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  "members":{
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  "fault":true
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    "Product"
  ],
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    "Product":{"shape":"String"}
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    "InstanceId",
    "Username"
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  "members":{
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    "InstanceId":{"shape":"String"},
    "Username":{"shape":"String"}
  }
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"DisassociateUserResponse":{
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  "members":{
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"Filter":{
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    "Operation":{"shape":"String"},
    "Value":{"shape":"String"}
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},
"FilterList":{
  "type":"list",
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"IdentityProvider":{
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  "members":{
    "ActiveDirectoryIdentityProvider":{"shape":"ActiveDirectoryIdentityProvider"}
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  "union":true
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"IdentityProviderSummary":{
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  "required":[
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    "Product",
    "Settings",
    "Status"
  ],
  "members":{
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    "IdentityProvider":{"shape":"IdentityProvider"},
    "Product":{"shape":"String"},
    "Settings":{"shape":"Settings"},
    "Status":{"shape":"String"}
  }
},
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  "member":{"shape":"IdentityProviderSummary"}
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"InstanceSummary":{
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    "Products",
    "Status"
  ],
  "members":{
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    "LastStatusCheckDate":{"shape":"String"},
     "Products":{"shape":"StringList"},
    "Status":{"shape":"String"},
    "StatusMessage":{"shape":"String"}
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"InstanceSummaryList":{
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  "required":[
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    "InstanceId",
    "Status",
    "Username"
  ],
  "members":{
    "AssociationDate":{"shape":"String"},
    "DisassociationDate":{"shape":"String"},
    "Domain":{"shape":"String"},
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    "InstanceId":{"shape":"String"},
    "Status":{"shape":"String"},
    "StatusMessage":{"shape":"String"},
    "Username":{"shape":"String"}
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"InstanceUserSummaryList":{
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"InternalServerException":{
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"message":{"shape":"String"}
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"exception":true,
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"NextToken":{"shape":"String"}
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"Product":{"shape":"String"}
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"ListProductSubscriptionsResponse":{
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"Status",
"Username"
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"IdentityProvider":{"shape":"IdentityProvider"},
"Product":{"shape":"String"},
"Status":{"shape":"String"},
"StatusMessage":{"shape":"String"},
"SubscriptionEndDate":{"shape":"String"},
"SubscriptionStartDate":{"shape":"String"},

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    "Username":{"shape":"String"}
  }
},
"ProductUserSummaryList":{
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  "member":{"shape":"ProductUserSummary"}
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  "required":[
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    "Product"
  ],
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    "Settings":{"shape":"Settings"}
  }
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"RegisterIdentityProviderResponse":{
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  "required":["IdentityProviderSummary"],
  "members":{
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},
"ResourceNotFoundException":{
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  "members":{
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  "error":{
    "httpStatusCode":404,
    "senderFault":true
  },
  "exception":true
},
"SecurityGroup":{
  "type":"string",
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"ServiceQuotaExceededException":{
  "type":"structure",
  "members":{
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  "exception":true
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"Settings":{
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    "Subnets"
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     "Subnets":{"shape":"SettingsSubnetsList"}
  }
},
"SettingsSubnetsList":{
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  "member":{"shape":"Subnet"},
  "min":1
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  "required":[
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    "Product",
    "Username"
  ],
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    "IdentityProvider":{"shape":"IdentityProvider"},
    "Product":{"shape":"String"},
    "Username":{"shape":"String"}
  }
},
"StartProductSubscriptionResponse":{
  "type":"structure",
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  "members":{
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  }
},
"StopProductSubscriptionRequest":{
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  "required":[
    "IdentityProvider",
    "Product",
    "Username"
  ],
  "members":{
    "Domain":{"shape":"String"},
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"IdentityProvider":{"shape":"IdentityProvider"},
"Product":{"shape":"String"},
"Username":{"shape":"String"}
}
},
"StopProductSubscriptionResponse":{
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}
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"StringList":{
"type":"list",
"member":{"shape":"String"}
},
"Subnet":{
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"member":{"shape":"Subnet"}
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"ThrottlingException":{
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"exception":true
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"required":[
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"Product",
"UpdateSettings"
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"Product":{"shape":"String"},
"UpdateSettings":{"shape":"UpdateSettings"}
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},
"UpdateSettings":{
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"RemoveSubnets"
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"RemoveSubnets":{"shape":"Subnets"},
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}
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"exception":true
}
}
}

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  "serviceId":"License Manager Linux Subscriptions",
  "signatureVersion":"v4",
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  "uid":"license-manager-linux-subscriptions-2018-05-10",
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"InstanceType":{"shape":"String"},
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"SourceRegions"
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    "SubscriptionProviderSource":{"shape":"SubscriptionProviderSource"},
    "Tags":{"shape":"Tags"}
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"PENDING"
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      "LinuxSubscriptionsDiscoverySettings":{"shape":"LinuxSubscriptionsDiscoverySettings"}
     }
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true

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                    "rules": [
                      {
                        "conditions": [],
                        "endpoint": {
                          "url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
                           "properties": {},
                          "headers": {}
                        },
                        "type": "endpoint"
                      }
                    ]
                  }
                ]
              }
            ]
          },
          {
            "conditions": [],
            "error": "Invalid Configuration: Missing Region",
            "type": "error"
          }
        ]
      }
    ]
  }
  {
    "testCases": [
      {
        "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"
          }
        },
        "params": {
          "Region": "us-east-1",
          "UseFIPS": true,
          "UseDualStack": true
        }
      },
      {
        "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
          }
```

```
        },
        "params": {
          "Region": "us-east-1",
          "UseFIPS": true,
          "UseDualStack": false
        }
      },
      {
        "documentation": "For region us-east-1 with FIPS disabled and
DualStack enabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
          }
        },
        "params": {
          "Region": "us-east-1",
          "UseFIPS": false,
          "UseDualStack": true
        }
      },
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        "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
          }
        },
        "params": {
          "Region": "us-east-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
      },
      {
        "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
           }
        },
        "params": {
          "Region": "cn-north-1",
          "UseFIPS": true,
          "UseDualStack": true
        }
      },
      {
```

```
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    "expect": {
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        "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
      }
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    "params": {
      "Region": "cn-north-1",
      "UseFIPS": true,
      "UseDualStack": false
    }
  },
  {
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    "expect": {
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       }
    },
    "params": {
      "Region": "cn-north-1",
      "UseFIPS": false,
      "UseDualStack": true
    }
  },
  {
    "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
      }
    },
    "params": {
      "Region": "cn-north-1",
      "UseFIPS": false,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
      }
    },
    "params": {
      "Region": "us-gov-east-1",
```

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        "UseFIPS": true,
        "UseDualStack": true
    }
},
{
    "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
        }
    },
    "params": {
        "Region": "us-gov-east-1",
        "UseFIPS": true,
        "UseDualStack": false
    }
},
{
    "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
        }
    },
    "params": {
        "Region": "us-gov-east-1",
        "UseFIPS": false,
        "UseDualStack": true
    }
},
{
    "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
    "expect": {
        "endpoint": {
            "url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
        }
    },
    "params": {
        "Region": "us-gov-east-1",
        "UseFIPS": false,
        "UseDualStack": false
    }
},
{
    "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
    "expect": {
        "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
    },
```

```
    "params": {
      "Region": "us-iso-east-1",
      "UseFIPS": true,
      "UseDualStack": true
    }
  },
  {
    "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
     "expect": {
      "endpoint": {
        "url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
      }
    },
    "params": {
      "Region": "us-iso-east-1",
      "UseFIPS": true,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
    "expect": {
      "error": "DualStack is enabled but this partition does not support DualStack"
    },
    "params": {
      "Region": "us-iso-east-1",
      "UseFIPS": false,
      "UseDualStack": true
    }
  },
  {
    "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
       }
    },
    "params": {
      "Region": "us-iso-east-1",
      "UseFIPS": false,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
    "expect": {
      "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
    },
```

"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
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"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
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"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{

"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {

```
            "url": "https://example.com"
          }
        },
        "params": {
          "Region": "us-east-1",
          "UseFIPS": false,
          "UseDualStack": false,
          "Endpoint": "https://example.com"
        }
      },
      {
        "documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
        "expect": {
          "endpoint": {
            "url": "https://example.com"
          }
        },
        "params": {
          "UseFIPS": false,
          "UseDualStack": false,
          "Endpoint": "https://example.com"
        }
      },
      {
        "documentation": "For custom endpoint with fips enabled and dualstack disabled",
        "expect":
{
          "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
        },
        "params": {
          "Region": "us-east-1",
          "UseFIPS": true,
          "UseDualStack": false,
          "Endpoint": "https://example.com"
        }
      },
      {
        "documentation": "For custom endpoint with fips disabled and dualstack enabled",
        "expect": {
          "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
        },
        "params": {
          "Region": "us-east-1",
          "UseFIPS": false,
          "UseDualStack": true,
          "Endpoint": "https://example.com"
        }
      },
```

```
    {
      "documentation": "Missing region",
      "expect": {
        "error": "Invalid Configuration: Missing Region"
      }
    }
  ],
  "version": "1.0"
}
```


1.8579 kubernetes-klog v2.80.1

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1.8583 python-pip 25.1.1

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the

software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
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2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes

2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
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In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
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2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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1.8585 python-setuptools 80.2.0

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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
created specifically to own Python-related Intellectual Property.
Zope Corporation was a sponsoring member of the PSF.

All
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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)

2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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 o Memory framework
 o HTTP/SSL checkers

Bradley Baetz, <bradley.baetz@optusnet.com.au> :
 o MISC checker redesign
 o Scheduler framework extension to support
   child process handling.
 o Daemon framework extension to block SIGCHLD
   to only receive it when its unblocked in the
   scheduling select loop.

Jeremy Rumpf, <rumpf.6@osu.edu> :
 o Added SMTP checker

Chris Caputo, <ccaputo@alt.net> :
 o Added dont_track_primary, nopreempt,
   preempt_delay, and misc_dynamic.

Kevin Lindsay, <kevinl@netnation.com> :
 o Fixed shadowed declaration reported by -Wshadow.
 o Redesigned signal handling.

Nick Couchman, <nick.couchman at seakr.com> :
 o Patch for u_threshold and l_threshold support.

Willy Tarreau, <w at 1wt.eu> :
 o Extended VRRP framework to support floating
   priority.

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1.8590 netconf-java 1.0.3

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
```

Name string `json:"name,omitempty"`
URL string `json:"url,omitempty"`
}
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Contributor Guide

Required Tools

- [Git](https://git-scm.com/downloads)
- [Go 1.16+](https://golang.org/dl/)
- [Docker](https://docs.docker.com/install/)
- [kubectl](https://kubernetes.io/docs/tasks/tools/install-kubectl)
- [kind v0.10.0+](https://kind.sigs.k8s.io/)

Build and Run

Build descheduler.

```sh
cd $GOPATH/src/sigs.k8s.io
git clone https://github.com/kubernetes-sigs/descheduler.git
cd descheduler
make
```

Run descheduler.

```sh
./_output/bin/descheduler --client-connection-kubeconfig <path to kubeconfig> --policy-config-file <path-to-policy-file> --v 1
```

View all CLI options.

```
./_output/bin/descheduler --help
```

Run Tests

```
GOOS=linux make dev-image
make kind-multi-node
kind load docker-image <image name>
kind get kubeconfig > /tmp/admin.conf
export KUBECONFIG=/tmp/admin.conf
make test-unit
make test-e2e
```

Format Code

After making changes in the code base, ensure that the code is formatted correctly:

```
make fmt
```

Build Helm Package locally

If
 you made some changes in the chart, and just want to check if templating is ok, or if the chart is buildable, you can run this command to have a package built from the `./charts` directory.

```
make build-helm
```

Lint Helm Chart locally

To check linting of your changes in the helm chart locally you can run:

```
make lint-chart
```

Test helm changes locally with kind and ct

You will need kind and docker (or equivalent) installed. We can use ct public image to avoid installing ct and all its dependencies.

```
make kind-multi-node
make ct-helm
```

Miscellaneous
See the [hack directory](https://github.com/kubernetes-sigs/descheduler/tree/master/hack) for additional tools and scripts used for developing the descheduler.
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==========
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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL string `json:"url,omitempty"`
}
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- [Git](https://git-scm.com/downloads)
- [Go 1.16+](https://golang.org/dl/)
- [Docker](https://docs.docker.com/install/)
- [kubectl](https://kubernetes.io/docs/tasks/tools/install-kubectl)
- [kind v0.10.0+](https://kind.sigs.k8s.io/)

Build and Run

Build descheduler.
```sh
cd $GOPATH/src/sigs.k8s.io
git clone https://github.com/kubernetes-sigs/descheduler.git
cd descheduler
make
```

Run descheduler.
```sh
./_output/bin/descheduler --client-connection-kubeconfig <path to kubeconfig> --policy-config-file <path-to-policy-file> --v 1
```

View all CLI options.
```
./_output/bin/descheduler --help
```

```

## Run Tests
```
GOOS=linux make dev-image
make kind-multi-node
kind load docker-image <image name>
kind get kubeconfig > /tmp/admin.conf
export KUBECONFIG=/tmp/admin.conf
make test-unit
make test-e2e
```

## Format Code

After making changes in the code base, ensure that the code is formatted correctly:

```
make fmt
```

Build Helm Package locally

If
 you made some changes in the chart, and just want to check if templating is ok, or if the chart is buildable, you can run this command to have a package built from the `./charts` directory.

```
make build-helm
```

Lint Helm Chart locally

To check linting of your changes in the helm chart locally you can run:

```
make lint-chart
```

Test helm changes locally with kind and ct

You will need kind and docker (or equivalent) installed. We can use ct public image to avoid installing ct and all its dependencies.

```
make kind-multi-node
make ct-helm
```
```

```

### Miscellaneous
See the [hack directory](https://github.com/kubernetes-sigs/descheduler/tree/master/hack) for additional tools and scripts used for developing the descheduler.
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==========
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1.8597 sqlite 3.48.0-r2

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autosetup - A build environment "autoconfigurator"

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1.8602 gorilla/handlers 60c7bfde3e33c201519a200a4507a158cc03a17b

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1.8607 x-text 0.25.0

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1.8609 debug 2.6.9

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1.8611 async-timeout 5.0.1

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1.8612 azure-sdk-for-go-sdk-resourcemanager-computefleet-armcomputefleet 5.7.0

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//go:build go1.18
// +build go1.18

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// Code generated by Microsoft (R) AutoRest Code Generator. DO NOT EDIT.
// Changes may cause incorrect behavior and will be lost if the code is regenerated.

package fake

import (
 "context"
 "errors"
 "fmt"
 azfake "github.com/Azure/azure-sdk-for-go/sdk/azcore/fake"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/fake/server"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/runtime"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/to"
 "github.com/Azure/azure-sdk-for-go/sdk/resourcemanager/hybridcompute/armhybridcompute/v2"
 "net/http"
 "net/url"
 "regexp"
)

// LicensesServer is a fake server for instances of the armhybridcompute.LicensesClient type.
type LicensesServer struct {
 // BeginCreateOrUpdate is the fake for method LicensesClient.BeginCreateOrUpdate
 // HTTP status codes to indicate success:
 http.StatusOK
 BeginCreateOrUpdate func(ctx context.Context, resourceGroupName string, licenseName string, parameters
armhybridcompute.License, options *armhybridcompute.LicensesClientBeginCreateOrUpdateOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientCreateOrUpdateResponse], errResp
azfake.ErrorResponder)

 // BeginDelete is the fake for method LicensesClient.BeginDelete
 // HTTP status codes to indicate success: http.StatusOK, http.StatusNoContent
 BeginDelete func(ctx context.Context, resourceGroupName string, licenseName string, options
*armhybridcompute.LicensesClientBeginDeleteOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientDeleteResponse], errResp azfake.ErrorResponder)

 // Get is the fake for method LicensesClient.Get
 // HTTP status codes to indicate success: http.StatusOK
 Get func(ctx context.Context, resourceGroupName string, licenseName string, options
```

```
*armhybridcompute.LicensesClientGetOptions) (resp
azfake.Responder[armhybridcompute.LicensesClientGetResponse],
 errResp azfake.ErrorResponder)

 // NewListByResourceGroupPager is the fake for method LicensesClient.NewListByResourceGroupPager
 // HTTP status codes to indicate success: http.StatusOK
 NewListByResourceGroupPager func(resourceGroupName string, options
*armhybridcompute.LicensesClientListByResourceGroupOptions) (resp
azfake.PagerResponder[armhybridcompute.LicensesClientListByResourceGroupResponse])

 // NewListBySubscriptionPager is the fake for method LicensesClient.NewListBySubscriptionPager
 // HTTP status codes to indicate success: http.StatusOK
 NewListBySubscriptionPager func(options *armhybridcompute.LicensesClientListBySubscriptionOptions) (resp
azfake.PagerResponder[armhybridcompute.LicensesClientListBySubscriptionResponse])

 // BeginUpdate is the fake for method LicensesClient.BeginUpdate
 // HTTP status codes to indicate success: http.StatusOK
 BeginUpdate func(ctx context.Context, resourceGroupName string, licenseName string, parameters
 armhybridcompute.LicenseUpdate, options *armhybridcompute.LicensesClientBeginUpdateOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientUpdateResponse], errResp azfake.ErrorResponder)

 // BeginValidateLicense is the fake for method LicensesClient.BeginValidateLicense
 // HTTP status codes to indicate success: http.StatusOK
 BeginValidateLicense func(ctx context.Context, parameters armhybridcompute.License, options
*armhybridcompute.LicensesClientBeginValidateLicenseOptions) (resp
azfake.PollerResponder[armhybridcompute.LicensesClientValidateLicenseResponse], errResp
azfake.ErrorResponder)
}

// NewLicensesServerTransport creates a new instance of LicensesServerTransport with the provided
implementation.
// The returned LicensesServerTransport instance is connected to an instance of armhybridcompute.LicensesClient
via the
// azcore.ClientOptions.Transporter field in the client's constructor parameters.
func NewLicensesServerTransport(srv *LicensesServer) *LicensesServerTransport
 {
 return &LicensesServerTransport{
  srv:                    srv,
  beginCreateOrUpdate:
newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientCreateOrUpdateResponse]](),
  beginDelete:            newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientDeleteResponse]](),
  newListByResourceGroupPager:
newTracker[azfake.PagerResponder[armhybridcompute.LicensesClientListByResourceGroupResponse]](),
  newListBySubscriptionPager:
newTracker[azfake.PagerResponder[armhybridcompute.LicensesClientListBySubscriptionResponse]](),
  beginUpdate:            newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientUpdateResponse]](),
  beginValidateLicense:
newTracker[azfake.PollerResponder[armhybridcompute.LicensesClientValidateLicenseResponse]](),
```

```
 }
}

// LicensesServerTransport connects instances of armhybridcompute.LicensesClient to instances of LicensesServer.
// Don't use this type directly, use NewLicensesServerTransport
 instead.
type LicensesServerTransport struct {
 srv                    *LicensesServer
 beginCreateOrUpdate
*tracker[azfake.PollerResponder[armhybridcompute.LicensesClientCreateOrUpdateResponse]]
 beginDelete              *tracker[azfake.PollerResponder[armhybridcompute.LicensesClientDeleteResponse]]
 newListByResourceGroupPager
*tracker[azfake.PagerResponder[armhybridcompute.LicensesClientListByResourceGroupResponse]]
 newListBySubscriptionPager
*tracker[azfake.PagerResponder[armhybridcompute.LicensesClientListBySubscriptionResponse]]
 beginUpdate              *tracker[azfake.PollerResponder[armhybridcompute.LicensesClientUpdateResponse]]
 beginValidateLicense
*tracker[azfake.PollerResponder[armhybridcompute.LicensesClientValidateLicenseResponse]]
}

// Do implements the policy.Transporter interface for LicensesServerTransport.
func (l *LicensesServerTransport) Do(req *http.Request) (*http.Response, error) {
 rawMethod := req.Context().Value(runtime.CtxAPINameKey{})
 method,
 ok := rawMethod.(string)
 if !ok {
  return nil, nonRetriableError{errors.New("unable to dispatch request, missing value for CtxAPINameKey")}
 }

 var resp *http.Response
 var err error

 switch method {
 case "LicensesClient.BeginCreateOrUpdate":
  resp, err = l.dispatchBeginCreateOrUpdate(req)
 case "LicensesClient.BeginDelete":
  resp, err = l.dispatchBeginDelete(req)
 case "LicensesClient.Get":
  resp, err = l.dispatchGet(req)
 case "LicensesClient.NewListByResourceGroupPager":
  resp, err = l.dispatchNewListByResourceGroupPager(req)
 case "LicensesClient.NewListBySubscriptionPager":
  resp, err = l.dispatchNewListBySubscriptionPager(req)
 case "LicensesClient.BeginUpdate":
  resp, err = l.dispatchBeginUpdate(req)
 case "LicensesClient.BeginValidateLicense":
  resp, err = l.dispatchBeginValidateLicense(req)
 default:
```

```
 err = fmt.Errorf("unhandled API %s", method)
 }

 if err != nil {
  return nil, err
 }

 return resp, nil
}

func (l *LicensesServerTransport) dispatchBeginCreateOrUpdate(req
 *http.Request) (*http.Response, error) {
 if l.srv.BeginCreateOrUpdate == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginCreateOrUpdate not implemented")}
 }
 beginCreateOrUpdate := l.beginCreateOrUpdate.get(req)
 if beginCreateOrUpdate == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 3 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  body, err := server.UnmarshalRequestAsJSON[armhybridcompute.License](req)
  if err != nil {
   return nil, err
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if err != nil {
   return
 nil, err
  }
  licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
  if err != nil {
   return nil, err
  }
  respr, errRespr := l.srv.BeginCreateOrUpdate(req.Context(), resourceGroupNameParam, licenseNameParam, body,
nil)
  if respErr := server.GetError(errRespr, req); respErr != nil {
   return nil, respErr
  }
  beginCreateOrUpdate = &respr
  l.beginCreateOrUpdate.add(req, beginCreateOrUpdate)
 }

 resp, err := server.PollerResponderNext(beginCreateOrUpdate, req)
```

```
 if err != nil {
  return nil, err
 }

 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.beginCreateOrUpdate.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PollerResponderMore(beginCreateOrUpdate) {
  l.beginCreateOrUpdate.remove(req)
 }

 return resp, nil
}

func (l *LicensesServerTransport) dispatchBeginDelete(req *http.Request) (*http.Response, error) {
 if l.srv.BeginDelete
 == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginDelete not implemented")}
 }
 beginDelete := l.beginDelete.get(req)
 if beginDelete == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 3 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if err != nil {
   return nil, err
  }
  licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
  if err != nil {
   return nil, err
  }
  respr, errRespr := l.srv.BeginDelete(req.Context(), resourceGroupNameParam, licenseNameParam, nil)
  if
 respErr := server.GetError(errRespr, req); respErr != nil {
   return nil, respErr
  }
  beginDelete = &respr
  l.beginDelete.add(req, beginDelete)
 }
```

```
 resp, err := server.PollerResponderNext(beginDelete, req)
 if err != nil {
  return nil, err
 }

 if !contains([]int{http.StatusOK, http.StatusNoContent}, resp.StatusCode) {
  l.beginDelete.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK,
http.StatusNoContent", resp.StatusCode)}
 }
 if !server.PollerResponderMore(beginDelete) {
  l.beginDelete.remove(req)
 }

 return resp, nil
}

func (l *LicensesServerTransport) dispatchGet(req *http.Request) (*http.Response, error) {
 if l.srv.Get == nil {
  return nil, &nonRetriableError{errors.New("fake for method Get not implemented")}
 }
 const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
 regex
 := regexp.MustCompile(regexStr)
 matches := regex.FindStringSubmatch(req.URL.EscapedPath())
 if matches == nil || len(matches) < 3 {
  return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
 }
 resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
 if err != nil {
  return nil, err
 }
 licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
 if err != nil {
  return nil, err
 }
 respr, errRespr := l.srv.Get(req.Context(), resourceGroupNameParam, licenseNameParam, nil)
 if respErr := server.GetError(errRespr, req); respErr != nil {
  return nil, respErr
 }
 respContent := server.GetResponseContent(respr)
 if !contains([]int{http.StatusOK}, respContent.HTTPStatus) {
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
respContent.HTTPStatus)}
 }
 resp, err := server.MarshalResponseAsJSON(respContent,
```

```
 server.GetResponse(respr).License, req)
 if err != nil {
  return nil, err
 }
 return resp, nil
}

func (l *LicensesServerTransport) dispatchNewListByResourceGroupPager(req *http.Request) (*http.Response,
error) {
 if l.srv.NewListByResourceGroupPager == nil {
  return nil, &nonRetriableError{errors.New("fake for method NewListByResourceGroupPager not implemented")}
 }
 newListByResourceGroupPager := l.newListByResourceGroupPager.get(req)
 if newListByResourceGroupPager == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 2 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if
 err != nil {
   return nil, err
  }
  resp := l.srv.NewListByResourceGroupPager(resourceGroupNameParam, nil)
  newListByResourceGroupPager = &resp
  l.newListByResourceGroupPager.add(req, newListByResourceGroupPager)
  server.PagerResponderInjectNextLinks(newListByResourceGroupPager, req, func(page
*armhybridcompute.LicensesClientListByResourceGroupResponse, createLink func() string) {
   page.NextLink = to.Ptr(createLink())
  })
 }
 resp, err := server.PagerResponderNext(newListByResourceGroupPager, req)
 if err != nil {
  return nil, err
 }
 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.newListByResourceGroupPager.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PagerResponderMore(newListByResourceGroupPager) {
  l.newListByResourceGroupPager.remove(req)
 }
 return resp, nil
```

```
}

func (l *LicensesServerTransport) dispatchNewListBySubscriptionPager(req *http.Request)
 (*http.Response, error) {
 if l.srv.NewListBySubscriptionPager == nil {
  return nil, &nonRetriableError{errors.New("fake for method NewListBySubscriptionPager not implemented")}
 }
 newListBySubscriptionPager := l.newListBySubscriptionPager.get(req)
 if newListBySubscriptionPager == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/licenses`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 1 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  resp := l.srv.NewListBySubscriptionPager(nil)
  newListBySubscriptionPager = &resp
  l.newListBySubscriptionPager.add(req, newListBySubscriptionPager)
  server.PagerResponderInjectNextLinks(newListBySubscriptionPager, req, func(page
*armhybridcompute.LicensesClientListBySubscriptionResponse, createLink func() string) {
   page.NextLink = to.Ptr(createLink())
  })
 }
 resp,
 err := server.PagerResponderNext(newListBySubscriptionPager, req)
 if err != nil {
  return nil, err
 }
 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.newListBySubscriptionPager.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PagerResponderMore(newListBySubscriptionPager) {
  l.newListBySubscriptionPager.remove(req)
 }
 return resp, nil
}

func (l *LicensesServerTransport) dispatchBeginUpdate(req *http.Request) (*http.Response, error) {
 if l.srv.BeginUpdate == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginUpdate not implemented")}
 }
 beginUpdate := l.beginUpdate.get(req)
 if beginUpdate == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/resourceGroups/(?P<resourceGroupName>[!#&$-;=?-\[\]_a-zA-Z0-
```

```
9~%@]+)/providers/Microsoft\.HybridCompute/licenses/(?P<licenseName>[!#&$-;=?-\[\]_a-zA-Z0-9~%@]+)`
  regex
 := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 3 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  body, err := server.UnmarshalRequestAsJSON[armhybridcompute.LicenseUpdate](req)
  if err != nil {
   return nil, err
  }
  resourceGroupNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("resourceGroupName")])
  if err != nil {
   return nil, err
  }
  licenseNameParam, err := url.PathUnescape(matches[regex.SubexpIndex("licenseName")])
  if err != nil {
   return nil, err
  }
  respr, errRespr := l.srv.BeginUpdate(req.Context(), resourceGroupNameParam, licenseNameParam, body, nil)
  if respErr := server.GetError(errRespr, req); respErr != nil {
   return nil, respErr
  }
  beginUpdate = &respr
  l.beginUpdate.add(req, beginUpdate)
 }

 resp, err := server.PollerResponderNext(beginUpdate, req)
 if err != nil {
  return nil, err
 }

 if !contains([]int{http.StatusOK},
 resp.StatusCode) {
  l.beginUpdate.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PollerResponderMore(beginUpdate) {
  l.beginUpdate.remove(req)
 }

 return resp, nil
}

func (l *LicensesServerTransport) dispatchBeginValidateLicense(req *http.Request) (*http.Response, error) {
 if l.srv.BeginValidateLicense == nil {
  return nil, &nonRetriableError{errors.New("fake for method BeginValidateLicense not implemented")}
```

```
 }
 beginValidateLicense := l.beginValidateLicense.get(req)
 if beginValidateLicense == nil {
  const regexStr = `/subscriptions/(?P<subscriptionId>[!#&$-;=?-\[\]_a-zA-Z0-
9~%@]+)/providers/Microsoft\.HybridCompute/validateLicense`
  regex := regexp.MustCompile(regexStr)
  matches := regex.FindStringSubmatch(req.URL.EscapedPath())
  if matches == nil || len(matches) < 1 {
   return nil, fmt.Errorf("failed to parse path %s", req.URL.Path)
  }
  body,
 err := server.UnmarshalRequestAsJSON[armhybridcompute.License](req)
  if err != nil {
   return nil, err
  }
  respr, errRespr := l.srv.BeginValidateLicense(req.Context(), body, nil)
  if respErr := server.GetError(errRespr, req); respErr != nil {
   return nil, respErr
  }
  beginValidateLicense = &respr
  l.beginValidateLicense.add(req, beginValidateLicense)
 }

 resp, err := server.PollerResponderNext(beginValidateLicense, req)
 if err != nil {
  return nil, err
 }

 if !contains([]int{http.StatusOK}, resp.StatusCode) {
  l.beginValidateLicense.remove(req)
  return nil, &nonRetriableError{fmt.Errorf("unexpected status code %d. acceptable values are http.StatusOK",
resp.StatusCode)}
 }
 if !server.PollerResponderMore(beginValidateLicense) {
  l.beginValidateLicense.remove(req)
 }

 return resp, nil
}
//go:build go1.18
// +build go1.18

// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License. See License.txt in the project root for license information.
// Code generated by Microsoft (R) AutoRest Code Generator. DO NOT EDIT.
// Changes may cause incorrect behavior and will be lost if the code is regenerated.

package armhybridcompute
```

```
import (
 "context"
 "errors"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/arm"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/policy"
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/runtime"
 "net/http"
 "net/url"
 "strings"
)

// LicensesClient contains the methods for the Licenses group.
// Don't use this type directly, use NewLicensesClient() instead.
type LicensesClient struct {
 internal       *arm.Client
 subscriptionID string
}

// NewLicensesClient creates a new instance of LicensesClient with the specified values.
//   - subscriptionID - The ID of the target
 subscription.
//   - credential - used to authorize requests. Usually a credential from azidentity.
//   - options - pass nil to accept the default values.
func NewLicensesClient(subscriptionID string, credential azcore.TokenCredential, options *arm.ClientOptions)
(*LicensesClient, error) {
 cl, err := arm.NewClient(moduleName, moduleVersion, credential, options)
 if err != nil {
  return nil, err
 }
 client := &LicensesClient{
  subscriptionID: subscriptionID,
  internal:       cl,
 }
 return client, nil
}

// BeginCreateOrUpdate - The operation to create or update a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName - The name of the license.
//   - parameters - Parameters supplied to the Create license operation.
//   - options - LicensesClientBeginCreateOrUpdateOptions contains the optional parameters
 for the LicensesClient.BeginCreateOrUpdate
//     method.
```

```
func (client *LicensesClient) BeginCreateOrUpdate(ctx context.Context, resourceGroupName string, licenseName
string, parameters License, options *LicensesClientBeginCreateOrUpdateOptions)
(*runtime.Poller[LicensesClientCreateOrUpdateResponse], error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.createOrUpdate(ctx, resourceGroupName, licenseName, parameters, options)
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientCreateOrUpdateResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientCreateOrUpdateResponse]{
   Tracer: client.internal.Tracer(),
  })
 }
}

// CreateOrUpdate - The operation to create or update a license.
// If the
 operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
func (client *LicensesClient) createOrUpdate(ctx context.Context, resourceGroupName string, licenseName string,
parameters License, options *LicensesClientBeginCreateOrUpdateOptions) (*http.Response, error) {
 var err error
 const operationName = "LicensesClient.BeginCreateOrUpdate"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.createOrUpdateCreateRequest(ctx, resourceGroupName, licenseName, parameters, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return nil, err
 }
 return httpResp, nil
}
```

```
// createOrUpdateCreateRequest creates
 the CreateOrUpdate request.
func (client *LicensesClient) createOrUpdateCreateRequest(ctx context.Context, resourceGroupName string,
licenseName string, parameters License, options *LicensesClientBeginCreateOrUpdateOptions) (*policy.Request,
error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}", url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx,
 http.MethodPut, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 if err := runtime.MarshalAsJSON(req, parameters); err != nil {
  return nil, err
 }
 return req, nil
}

// BeginDelete - The operation to delete a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName - The name of the license.
//   - options - LicensesClientBeginDeleteOptions contains the optional parameters for the
LicensesClient.BeginDelete method.
func (client *LicensesClient) BeginDelete(ctx context.Context, resourceGroupName string, licenseName string,
options *LicensesClientBeginDeleteOptions) (*runtime.Poller[LicensesClientDeleteResponse],
 error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.deleteOperation(ctx, resourceGroupName, licenseName, options)
```

```
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientDeleteResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientDeleteResponse]{
   Tracer: client.internal.Tracer(),
  })
 }
}

// Delete - The operation to delete a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
func (client *LicensesClient) deleteOperation(ctx context.Context, resourceGroupName string, licenseName string,
options *LicensesClientBeginDeleteOptions) (*http.Response, error) {
 var err error
 const
 operationName = "LicensesClient.BeginDelete"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.deleteCreateRequest(ctx, resourceGroupName, licenseName, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK, http.StatusNoContent) {
  err = runtime.NewResponseError(httpResp)
  return nil, err
 }
 return httpResp, nil
}

// deleteCreateRequest creates the Delete request.
func (client *LicensesClient) deleteCreateRequest(ctx context.Context, resourceGroupName string, licenseName
string, options *LicensesClientBeginDeleteOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
```

```
es/{licenseName}"
 if
 client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}", url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx, http.MethodDelete, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// Get - Retrieves information about the view of a license.
//
 If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName - The name of the license.
//   - options - LicensesClientGetOptions contains the optional parameters for the LicensesClient.Get method.
func (client *LicensesClient) Get(ctx context.Context, resourceGroupName string, licenseName string, options
*LicensesClientGetOptions) (LicensesClientGetResponse, error) {
 var err error
 const operationName = "LicensesClient.Get"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.getCreateRequest(ctx, resourceGroupName, licenseName, options)
 if err != nil {
  return LicensesClientGetResponse{}, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil
 {
  return LicensesClientGetResponse{}, err
```

```
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return LicensesClientGetResponse{}, err
 }
 resp, err := client.getHandleResponse(httpResp)
 return resp, err
}

// getCreateRequest creates the Get request.
func (client *LicensesClient) getCreateRequest(ctx context.Context, resourceGroupName string, licenseName
string, options *LicensesClientGetOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if
 licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}", url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx, http.MethodGet, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// getHandleResponse handles the Get response.
func (client *LicensesClient) getHandleResponse(resp *http.Response) (LicensesClientGetResponse, error) {
 result := LicensesClientGetResponse{}
 if err := runtime.UnmarshalAsJSON(resp, &result.License); err != nil {
  return LicensesClientGetResponse{}, err
 }
 return result, nil
}
```

```
// NewListByResourceGroupPager - The operation to get all licenses of a non-Azure machine
//
// Generated from
 API version 2023-06-20-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - options - LicensesClientListByResourceGroupOptions contains the optional parameters for the
LicensesClient.NewListByResourceGroupPager
//     method.
func (client *LicensesClient) NewListByResourceGroupPager(resourceGroupName string, options
*LicensesClientListByResourceGroupOptions) *runtime.Pager[LicensesClientListByResourceGroupResponse] {
 return runtime.NewPager(runtime.PagingHandler[LicensesClientListByResourceGroupResponse]{
  More: func(page LicensesClientListByResourceGroupResponse) bool {
   return page.NextLink != nil && len(*page.NextLink) > 0
  },
  Fetcher: func(ctx context.Context, page *LicensesClientListByResourceGroupResponse)
(LicensesClientListByResourceGroupResponse, error) {
   ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, "LicensesClient.NewListByResourceGroupPager")
   nextLink := ""
   if page != nil {
    nextLink = *page.NextLink
   }
   resp,
 err := runtime.FetcherForNextLink(ctx, client.internal.Pipeline(), nextLink, func(ctx context.Context)
(*policy.Request, error) {
    return client.listByResourceGroupCreateRequest(ctx, resourceGroupName, options)
   }, nil)
   if err != nil {
    return LicensesClientListByResourceGroupResponse{}, err
   }
   return client.listByResourceGroupHandleResponse(resp)
  },
  Tracer: client.internal.Tracer(),
 })
}

// listByResourceGroupCreateRequest creates the ListByResourceGroup request.
func (client *LicensesClient) listByResourceGroupCreateRequest(ctx context.Context, resourceGroupName string,
options *LicensesClientListByResourceGroupOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es"
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if
 client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
```

```
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 req, err := runtime.NewRequest(ctx, http.MethodGet, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// listByResourceGroupHandleResponse handles the ListByResourceGroup response.
func (client *LicensesClient) listByResourceGroupHandleResponse(resp *http.Response)
(LicensesClientListByResourceGroupResponse, error) {
 result := LicensesClientListByResourceGroupResponse{}
 if err := runtime.UnmarshalAsJSON(resp, &result.LicensesListResult); err != nil {
  return LicensesClientListByResourceGroupResponse{}, err
 }
 return
 result, nil
}

// NewListBySubscriptionPager - The operation to get all licenses of a non-Azure machine
//
// Generated from API version 2023-06-20-preview
//   - options - LicensesClientListBySubscriptionOptions contains the optional parameters for the
LicensesClient.NewListBySubscriptionPager
//     method.
func (client *LicensesClient) NewListBySubscriptionPager(options *LicensesClientListBySubscriptionOptions)
*runtime.Pager[LicensesClientListBySubscriptionResponse] {
 return runtime.NewPager(runtime.PagingHandler[LicensesClientListBySubscriptionResponse]{
  More: func(page LicensesClientListBySubscriptionResponse) bool {
   return page.NextLink != nil && len(*page.NextLink) > 0
  },
  Fetcher: func(ctx context.Context, page *LicensesClientListBySubscriptionResponse)
(LicensesClientListBySubscriptionResponse, error) {
   ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, "LicensesClient.NewListBySubscriptionPager")
   nextLink := ""
   if page != nil {
    nextLink = *page.NextLink
   }
   resp,
 err := runtime.FetcherForNextLink(ctx, client.internal.Pipeline(), nextLink, func(ctx context.Context)
(*policy.Request, error) {
    return client.listBySubscriptionCreateRequest(ctx, options)
   }, nil)
```

```
  if err != nil {
   return LicensesClientListBySubscriptionResponse{}, err
  }
  return client.listBySubscriptionHandleResponse(resp)
 },
 Tracer: client.internal.Tracer(),
})
}

// listBySubscriptionCreateRequest creates the ListBySubscription request.
func (client *LicensesClient) listBySubscriptionCreateRequest(ctx context.Context, options
*LicensesClientListBySubscriptionOptions) (*policy.Request, error) {
 urlPath := "/subscriptions/{subscriptionId}/providers/Microsoft.HybridCompute/licenses"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 req, err := runtime.NewRequest(ctx, http.MethodGet,
 runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 return req, nil
}

// listBySubscriptionHandleResponse handles the ListBySubscription response.
func (client *LicensesClient) listBySubscriptionHandleResponse(resp *http.Response)
(LicensesClientListBySubscriptionResponse, error) {
 result := LicensesClientListBySubscriptionResponse{}
 if err := runtime.UnmarshalAsJSON(resp, &result.LicensesListResult); err != nil {
  return LicensesClientListBySubscriptionResponse{}, err
 }
 return result, nil
}

// BeginUpdate - The operation to update a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
//   - resourceGroupName - The name of the resource group. The name is case insensitive.
//   - licenseName
 - The name of the license.
//   - parameters - Parameters supplied to the Update license operation.
//   - options - LicensesClientBeginUpdateOptions contains the optional parameters for the
```

LicensesClient.BeginUpdate method.

```
func (client *LicensesClient) BeginUpdate(ctx context.Context, resourceGroupName string, licenseName string,
parameters LicenseUpdate, options *LicensesClientBeginUpdateOptions)
(*runtime.Poller[LicensesClientUpdateResponse], error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.update(ctx, resourceGroupName, licenseName, parameters, options)
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientUpdateResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientUpdateResponse]{
   Tracer:
 client.internal.Tracer(),
  })
 }
}

// Update - The operation to update a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
func (client *LicensesClient) update(ctx context.Context, resourceGroupName string, licenseName string,
parameters LicenseUpdate, options *LicensesClientBeginUpdateOptions) (*http.Response, error) {
 var err error
 const operationName = "LicensesClient.BeginUpdate"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.updateCreateRequest(ctx, resourceGroupName, licenseName, parameters, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return
 nil, err
 }
 return httpResp, nil
```

```
}

// updateCreateRequest creates the Update request.
func (client *LicensesClient) updateCreateRequest(ctx context.Context, resourceGroupName string, licenseName
string, parameters LicenseUpdate, options *LicensesClientBeginUpdateOptions) (*policy.Request, error) {
 urlPath :=
"/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.HybridCompute/licens
es/{licenseName}"
 if client.subscriptionID == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 if resourceGroupName == "" {
  return nil, errors.New("parameter resourceGroupName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{resourceGroupName}", url.PathEscape(resourceGroupName))
 if licenseName == "" {
  return nil, errors.New("parameter licenseName cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{licenseName}",
 url.PathEscape(licenseName))
 req, err := runtime.NewRequest(ctx, http.MethodPatch, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 if err := runtime.MarshalAsJSON(req, parameters); err != nil {
  return nil, err
 }
 return req, nil
}

// BeginValidateLicense - The operation to validate a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
//   - parameters - Parameters supplied to the license validation operation.
//   - options - LicensesClientBeginValidateLicenseOptions contains the optional parameters for the
LicensesClient.BeginValidateLicense
//     method.
func (client *LicensesClient) BeginValidateLicense(ctx context.Context, parameters License, options
*LicensesClientBeginValidateLicenseOptions)
 (*runtime.Poller[LicensesClientValidateLicenseResponse], error) {
 if options == nil || options.ResumeToken == "" {
  resp, err := client.validateLicense(ctx, parameters, options)
```

```
  if err != nil {
   return nil, err
  }
  poller, err := runtime.NewPoller(resp, client.internal.Pipeline(),
&runtime.NewPollerOptions[LicensesClientValidateLicenseResponse]{
   Tracer: client.internal.Tracer(),
  })
  return poller, err
 } else {
  return runtime.NewPollerFromResumeToken(options.ResumeToken, client.internal.Pipeline(),
&runtime.NewPollerFromResumeTokenOptions[LicensesClientValidateLicenseResponse]{
   Tracer: client.internal.Tracer(),
  })
 }
}

// ValidateLicense - The operation to validate a license.
// If the operation fails it returns an *azcore.ResponseError type.
//
// Generated from API version 2023-06-20-preview
func (client *LicensesClient) validateLicense(ctx context.Context, parameters License, options
*LicensesClientBeginValidateLicenseOptions)
 (*http.Response, error) {
 var err error
 const operationName = "LicensesClient.BeginValidateLicense"
 ctx = context.WithValue(ctx, runtime.CtxAPINameKey{}, operationName)
 ctx, endSpan := runtime.StartSpan(ctx, operationName, client.internal.Tracer(), nil)
 defer func() { endSpan(err) }()
 req, err := client.validateLicenseCreateRequest(ctx, parameters, options)
 if err != nil {
  return nil, err
 }
 httpResp, err := client.internal.Pipeline().Do(req)
 if err != nil {
  return nil, err
 }
 if !runtime.HasStatusCode(httpResp, http.StatusOK) {
  err = runtime.NewResponseError(httpResp)
  return nil, err
 }
 return httpResp, nil
}

// validateLicenseCreateRequest creates the ValidateLicense request.
func (client *LicensesClient) validateLicenseCreateRequest(ctx context.Context, parameters License, options
*LicensesClientBeginValidateLicenseOptions) (*policy.Request, error) {
 urlPath := "/subscriptions/{subscriptionId}/providers/Microsoft.HybridCompute/validateLicense"
 if client.subscriptionID
```

```
 == "" {
  return nil, errors.New("parameter client.subscriptionID cannot be empty")
 }
 urlPath = strings.ReplaceAll(urlPath, "{subscriptionId}", url.PathEscape(client.subscriptionID))
 req, err := runtime.NewRequest(ctx, http.MethodPost, runtime.JoinPaths(client.internal.Endpoint(), urlPath))
 if err != nil {
  return nil, err
 }
 reqQP := req.Raw().URL.Query()
 reqQP.Set("api-version", "2023-06-20-preview")
 req.Raw().URL.RawQuery = reqQP.Encode()
 req.Raw().Header["Accept"] = []string{"application/json"}
 if err := runtime.MarshalAsJSON(req, parameters); err != nil {
  return nil, err
 }
 return req, nil
}
```

azwebpubsub

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```
//go:build go1.18
// +build go1.18

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// Code generated by Microsoft (R) AutoRest Code Generator.
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// DO NOT EDIT.

package armhybridcompute_test

import (
 "context"
 "log"
```

```
 "github.com/Azure/azure-sdk-for-go/sdk/azcore/to"
 "github.com/Azure/azure-sdk-for-go/sdk/azidentity"
 "github.com/Azure/azure-sdk-for-go/sdk/resourcemanager/hybridcompute/armhybridcompute/v2"
)

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2023-06-20-preview/examples/license/License_ValidateLicense.json
func ExampleLicensesClient_BeginValidateLicense() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err !=
 nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 poller, err := clientFactory.NewLicensesClient().BeginValidateLicense(ctx, armhybridcompute.License{
  Location: to.Ptr("eastus2euap"),
  Properties: &armhybridcompute.LicenseProperties{
   LicenseDetails: &armhybridcompute.LicenseDetails{
    Type:       to.Ptr(armhybridcompute.LicenseCoreTypePCore),
    Edition:    to.Ptr(armhybridcompute.LicenseEditionDatacenter),
    Processors: to.Ptr[int32](6),
    State:      to.Ptr(armhybridcompute.LicenseStateActivated),
    Target:     to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
   },
   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
  },
 }, nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 res, err := poller.PollUntilDone(ctx, nil)
 if err !=
 nil {
  log.Fatalf("failed to pull the result: %v", err)
 }
 // You could use response here. We use blank identifier for just demo purposes.
 _ = res
 // If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
 // res.License = armhybridcompute.License{
 //  Name: to.Ptr("{licenseName}"),
 //  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
```

```
// ID: to.Ptr("/subscriptions/{subscriptionId}/providers/Microsoft.HybridCompute/Licenses/{licenseName}"),
// Location: to.Ptr("eastus2euap"),
// Properties: &armhybridcompute.LicenseProperties{
//  LicenseDetails: &armhybridcompute.LicenseDetails{
//   Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
//   AssignedLicenses: to.Ptr[int32](2),
//   Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
//   ImmutableID: to.Ptr("<generated Guid>"),
//   Processors: to.Ptr[int32](6),
//
   State: to.Ptr(armhybridcompute.LicenseStateActivated),
//   Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
//  },
//  LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
//  TenantID: to.Ptr("{tenandId}"),
// },
// }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2023-06-20-preview/examples/license/License_CreateOrUpdate.json
func ExampleLicensesClient_BeginCreateOrUpdate() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 poller, err := clientFactory.NewLicensesClient().BeginCreateOrUpdate(ctx, "myResourceGroup",
 "{licenseName}", armhybridcompute.License{
  Location: to.Ptr("eastus2euap"),
  Properties: &armhybridcompute.LicenseProperties{
   LicenseDetails: &armhybridcompute.LicenseDetails{
    Type:       to.Ptr(armhybridcompute.LicenseCoreTypePCore),
    Edition:    to.Ptr(armhybridcompute.LicenseEditionDatacenter),
    Processors: to.Ptr[int32](6),
    State:      to.Ptr(armhybridcompute.LicenseStateActivated),
    Target:     to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
   },
   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
  },
 }, nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
```

```
 }
 res, err := poller.PollUntilDone(ctx, nil)
 if err != nil {
  log.Fatalf("failed to pull the result: %v", err)
 }
 // You could use response here. We use blank identifier for just demo purposes.
 _ = res
 // If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values
 in the output are fake values for just demo purposes.
 // res.License = armhybridcompute.License{
 //  Name: to.Ptr("{licenseName}"),
 //  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
 //  ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
 //  Location: to.Ptr("eastus2euap"),
 //  Properties: &armhybridcompute.LicenseProperties{
 //   LicenseDetails: &armhybridcompute.LicenseDetails{
 //    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
 //    AssignedLicenses: to.Ptr[int32](2),
 //    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //    ImmutableID: to.Ptr("<generated Guid>"),
 //    Processors: to.Ptr[int32](6),
 //    State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //   },
 //   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //   TenantID: to.Ptr("{tenandId}"),
 //  },
 // }
}

// Generated
 from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2023-06-20-preview/examples/license/License_Update.json
func ExampleLicensesClient_BeginUpdate() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 poller, err := clientFactory.NewLicensesClient().BeginUpdate(ctx, "myResourceGroup", "{licenseName}",
```

```
armhybridcompute.LicenseUpdate{
  Properties: &armhybridcompute.LicenseUpdateProperties{
   LicenseDetails: &armhybridcompute.LicenseUpdatePropertiesLicenseDetails{
    Type:       to.Ptr(armhybridcompute.LicenseCoreTypePCore),
    Edition:    to.Ptr(armhybridcompute.LicenseEditionDatacenter),
    Processors:
 to.Ptr[int32](6),
    State:      to.Ptr(armhybridcompute.LicenseStateActivated),
    Target:     to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
   },
   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
  },
 }, nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 res, err := poller.PollUntilDone(ctx, nil)
 if err != nil {
  log.Fatalf("failed to pull the result: %v", err)
 }
 // You could use response here. We use blank identifier for just demo purposes.
 _ = res
 // If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
 // res.License = armhybridcompute.License{
 //  Name: to.Ptr("{licenseName}"),
 //  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
 //  ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/lice
nses/{licenseName}"),
 //
  Location: to.Ptr("eastus2euap"),
 //  Properties: &armhybridcompute.LicenseProperties{
 //   LicenseDetails: &armhybridcompute.LicenseDetails{
 //    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
 //    AssignedLicenses: to.Ptr[int32](8),
 //    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //    ImmutableID: to.Ptr("<generated Guid>"),
 //    Processors: to.Ptr[int32](6),
 //    State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //   },
 //   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //   TenantID: to.Ptr("{tenandId}"),
 //  },
 // }
}
```

```
// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2023-06-20-preview/examples/license/License_Get.json
func ExampleLicensesClient_Get() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if
 err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 res, err := clientFactory.NewLicensesClient().Get(ctx, "myResourceGroup", "{licenseName}", nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 // You could use response here. We use blank identifier for just demo purposes.
 _ = res
 // If the HTTP response code is 200 as defined in example definition, your response structure would look as follows.
Please pay attention that all the values in the output are fake values for just demo purposes.
 // res.License = armhybridcompute.License{
 //  Name: to.Ptr("{licenseName}"),
 //  Type: to.Ptr("Microsoft.HybridCompute/licenses"),
 //  ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
 //
  Location: to.Ptr("eastus2euap"),
 //  Properties: &armhybridcompute.LicenseProperties{
 //   LicenseDetails: &armhybridcompute.LicenseDetails{
 //    Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
 //    AssignedLicenses: to.Ptr[int32](8),
 //    Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //    ImmutableID: to.Ptr("<generated Guid>"),
 //    Processors: to.Ptr[int32](6),
 //    State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //    Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //   },
 //   LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //   TenantID: to.Ptr("{tenandId}"),
 //  },
 // }
}

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specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
```

```
manager/Microsoft.HybridCompute/preview/2023-06-20-preview/examples/license/License_Delete.json
func ExampleLicensesClient_BeginDelete()
 {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 poller, err := clientFactory.NewLicensesClient().BeginDelete(ctx, "myResourceGroup", "{licenseName}", nil)
 if err != nil {
  log.Fatalf("failed to finish the request: %v", err)
 }
 _, err = poller.PollUntilDone(ctx, nil)
 if err != nil {
  log.Fatalf("failed to pull the result: %v", err)
 }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2023-06-20-
preview/examples/license/License_ListByResourceGroup.json
func ExampleLicensesClient_NewListByResourceGroupPager() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if
 err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 pager := clientFactory.NewLicensesClient().NewListByResourceGroupPager("myResourceGroup", nil)
 for pager.More() {
  page, err := pager.NextPage(ctx)
  if err != nil {
   log.Fatalf("failed to advance page: %v", err)
  }
  for _, v := range page.Value {
   // You could use page here. We use blank identifier for just demo purposes.
   _ = v
  }
  // If the HTTP response code is 200 as defined in example definition, your page structure would look as follows.
```

```
Please pay attention that all the values in the output are fake values for just demo purposes.
  // page.LicensesListResult = armhybridcompute.LicensesListResult{
  //  Value: []*armhybridcompute.License{
  //    {
  //     Name: to.Ptr("{licenseName}"),
  //
    Type: to.Ptr("Microsoft.HybridCompute/licenses"),
  //     ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
  //     Location: to.Ptr("eastus2euap"),
  //     Properties: &armhybridcompute.LicenseProperties{
  //      LicenseDetails: &armhybridcompute.LicenseDetails{
  //       Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
  //       AssignedLicenses: to.Ptr[int32](8),
  //       Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
  //       ImmutableID: to.Ptr("<generated Guid>"),
  //       Processors: to.Ptr[int32](6),
  //       State: to.Ptr(armhybridcompute.LicenseStateActivated),
  //       Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
  //      },
  //      LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
  //      TenantID: to.Ptr("{tenandId}"),
  //     },
  //  }},
  // }
 }
}

// Generated from example definition: https://github.com/Azure/azure-rest-api-
specs/blob/bf204aab860f2eb58a9d346b00d44760f2a9b0a2/specification/hybridcompute/resource-
manager/Microsoft.HybridCompute/preview/2023-06-20-
preview/examples/license/License_ListBySubscription.json
func
 ExampleLicensesClient_NewListBySubscriptionPager() {
 cred, err := azidentity.NewDefaultAzureCredential(nil)
 if err != nil {
  log.Fatalf("failed to obtain a credential: %v", err)
 }
 ctx := context.Background()
 clientFactory, err := armhybridcompute.NewClientFactory("<subscription-id>", cred, nil)
 if err != nil {
  log.Fatalf("failed to create client: %v", err)
 }
 pager := clientFactory.NewLicensesClient().NewListBySubscriptionPager(nil)
 for pager.More() {
  page, err := pager.NextPage(ctx)
  if err != nil {
```

```
  log.Fatalf("failed to advance page: %v", err)
 }
 for _, v := range page.Value {
  // You could use page here. We use blank identifier for just demo purposes.
  _ = v
 }
 // If the HTTP response code is 200 as defined in example definition, your page structure would look as
follows. Please pay attention that all the values in the output are fake values for just demo purposes.
 // page.LicensesListResult = armhybridcompute.LicensesListResult{
 //  Value: []*armhybridcompute.License{
 //   {
 //    Name: to.Ptr("{licenseName}"),
 //    Type: to.Ptr("Microsoft.HybridCompute/licenses"),
 //    ID:
to.Ptr("/subscriptions/{subscriptionId}/resourceGroups/myResourceGroup/providers/Microsoft.HybridCompute/Lic
enses/{licenseName}"),
 //    Location: to.Ptr("eastus2euap"),
 //    Properties: &armhybridcompute.LicenseProperties{
 //     LicenseDetails: &armhybridcompute.LicenseDetails{
 //      Type: to.Ptr(armhybridcompute.LicenseCoreTypePCore),
 //      AssignedLicenses: to.Ptr[int32](8),
 //      Edition: to.Ptr(armhybridcompute.LicenseEditionDatacenter),
 //      ImmutableID: to.Ptr("<generated Guid>"),
 //      Processors: to.Ptr[int32](6),
 //      State: to.Ptr(armhybridcompute.LicenseStateActivated),
 //      Target: to.Ptr(armhybridcompute.LicenseTargetWindowsServer2012),
 //
     },
 //     LicenseType: to.Ptr(armhybridcompute.LicenseTypeESU),
 //     TenantID: to.Ptr("{tenandId}"),
 //    },
 //  }},
 // }
 }
}
```

1.8613 golang-genproto 0.0.0-20240711142825-46eb208f015d

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A
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1.8615 fleet 1.0.0

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```
package license

import (
 "encoding/json"
 "fmt"
 "net/http"
 "net/http/httptest"
 "regexp"
 "sync"
 "sync/atomic"
 "testing"
 "time"

 "github.com/WatchBeam/clock"
 "github.com/kolide/kolide/server/kolide"
 "github.com/kolide/kolide/server/mock"
 "github.com/stretchr/testify/assert"
)

var tokenString = "eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjRkOmM1OmRlOmE1Oj" +
 "czOmUxOmE4OjI4OmU2OmEyOjMwOmI4OmI1OjBmOjg4OjQ0In0.eyJsaWNlbnNlX3V1aWQiOiIyZD" +
 "gwMmEyYS1hZjRjLTQ5ZjItYWRlNC0zOGJmNjBmMmQxZjYiLCJvcmdhbml6YXRpb25fbmFtZSI6Il" +
 "BoYW50YXNtLCBJbmMuIiwib3JnYW5pemF0aW9uX3V1aWQiOiI5ZmFiNjdiMy0wZWFjLTRhODMtOTI" +
 "wNS04MjkyMWIwNDJmODYiLCJob3N0X2xpbWl0IjowLCJldmFsdWF0aW9uIjp0cnVlLCJleHBpcmV" +
 "zX2F0IjoiMjAxNy0wMy0wNFQxNDozODo1NyswMDowMCJ9.DRFQIUDFXT0bDdya0IJKvATKCJjv3Mv" +
 "w5gMxHNzby_L80muoe-36DoRxBAJZHL7dOfQDU8NRK2Mt64ozThrhWVl8wJlD9mk5ABe3tNw3LJRl" +
 "2mHvOLmk37_AIHp5AEKZ6cWMPa9zf8hWf6bAv_0rOJf5wgyE81pfqRFtO0OnkGO3WLcP66L0AIntq" +
 "IzAE_vWmizcUvUOCWDqwcBlT-P1mZnWJFCaSBpmpQoi3KEKJDx0wMjLiRNLX9R9dr3v3ojccoYuxR"
 +
 "qAws-OHv3VzcuGdn3Pt9WBDr4cXdtqxaGtxJb6-BDvp8QQk69ACZXrZJ8NhZAL0EVlviRRw8bbEYchZQ"
```

```
var publicKey = `-----BEGIN PUBLIC KEY-----
MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEA0ZhY7r6HmifXPtServt4
D3MSi8Awe9u132vLf8yzlknvnq+8CSnOPSSbCD+HajvZ6dnNJXjdcAhuZ32ShrH8
rEQACEUS8Mh4z8Mo5Nlq1ou0s2JzWCx049kA34jP3u6AiPgpWUf8JRGstTlisxMn
H6B7miDs1038gVbN5rk+j+3ALYzllaTnCX3Y0C7f6IW7BjNO/tvFB84/95xfOLEz
o2MeFMqkD29hvcrUW+8+fQGJaVLvcEqBDnIEVbCCk8Wnoi48dUE06WHUl6voJecD
dW1E6jHcq8PQFK+4bI1gKZVbV4dFGSSMUyD7ov77aWHjxdQe6YEGcSXKzfyMaUtQ
vQIDAQAB
-----END PUBLIC KEY-----
`

func mockTicker(ticker clock.Ticker) Option {
 return func(chk *Checker) {
  chk.ticker = ticker
 }
}

func TestLicenseFound(t *testing.T) {
 var licFunInvoked int64
 var revokeFunInvoked int64

 ts := httptest.NewServer(http.HandlerFunc(func(w http.ResponseWriter, r *http.Request) {
  response := revokeInfo{
   UUID:    "DEADBEEF",
   Revoked: true,
  }
  json.NewEncoder(w).Encode(response)

 }))
 defer ts.Close()

 ds
 := new(mock.Store)
 ds.LicenseFunc = func() (*kolide.License, error) {
  atomic.AddInt64(&licFunInvoked, 1)
  result := &kolide.License{
   UpdateTimestamp: kolide.UpdateTimestamp{
    UpdatedAt: time.Now().Add(-5 * time.Minute),
   },
   Token:     &tokenString,
   PublicKey: publicKey,
   Revoked:   false,
   ID:        1,
  }
  return result, nil
 }
 ds.RevokeLicenseFunc = func(revoked bool) error {
  atomic.AddInt64(&revokeFunInvoked, 1)
```

```
 return nil
}
c := clock.NewMockClock()
checker := NewChecker(ds, ts.URL,
 mockTicker(c.NewTicker(time.Millisecond)),
)
checker.Start()
<-time.After(10 * time.Millisecond)
c.AddTime(time.Millisecond)
c.AddTime(time.Millisecond)
<-time.After(10 * time.Millisecond)
checker.Stop()

// verify muliple checks occurred, we have to use atomic because if we
// use the  flags from the mock package to indicate function invocation race detector will
// complain

assert.Equal(t, int64(2), atomic.LoadInt64(&licFunInvoked))
assert.Equal(t,
int64(2), atomic.LoadInt64(&revokeFunInvoked))
}

func TestLicenseNotFound(t *testing.T) {
var licFunInvoked int64
var revokeFunInvoked int64
ts := httptest.NewServer(http.HandlerFunc(func(w http.ResponseWriter, r *http.Request) {
 w.WriteHeader(http.StatusNotFound)
 response := revokeError{
  Status: 404,
  Error:  "not found",
 }
 json.NewEncoder(w).Encode(response)

}))
defer ts.Close()

ds := new(mock.Store)
ds.LicenseFunc = func() (*kolide.License, error) {
 atomic.AddInt64(&licFunInvoked, 1)
 result := &kolide.License{
  UpdateTimestamp: kolide.UpdateTimestamp{
   UpdatedAt: time.Now().Add(-5 * time.Minute),
  },
  Token:     &tokenString,
  PublicKey: publicKey,
  Revoked:   false,
  ID:        1,
 }
```

```
 return result, nil
}
ds.RevokeLicenseFunc = func(revoked bool) error {
 atomic.AddInt64(&revokeFunInvoked, 1)
 return nil
}

c := clock.NewMockClock()
checker := NewChecker(ds, ts.URL,
 mockTicker(c.NewTicker(time.Millisecond)),
)
checker.Start()
<-time.After(10
* time.Millisecond)
c.AddTime(time.Millisecond)
<-time.After(10 * time.Millisecond)
checker.Stop()

assert.Equal(t, int64(1), atomic.LoadInt64(&licFunInvoked))
assert.Equal(t, int64(0), atomic.LoadInt64(&revokeFunInvoked))
}

type testLogger struct {
 logContent string
 lock       sync.Mutex
}

func (tl *testLogger) Log(keyVals ...interface{}) error {
 tl.lock.Lock()
 defer tl.lock.Unlock()
 tl.logContent += fmt.Sprint(keyVals...)
 return nil
}

func (tl *testLogger) read() string {
 var buff []byte
 tl.lock.Lock()
 buff = make([]byte, len(tl.logContent))
 copy(buff, tl.logContent)
 tl.lock.Unlock()
 return string(buff)
}

func TestLicenseTimeout(t *testing.T) {
 var licFunInvoked int64
 var revokeFunInvoked int64

 ts := httptest.NewServer(http.HandlerFunc(func(w http.ResponseWriter, r *http.Request) {
```

```
 <-time.After(300 * time.Millisecond)
 response := revokeInfo{
  UUID:    "DEADBEEF",
  Revoked: true,
 }
 json.NewEncoder(w).Encode(response)
}))
defer
ts.Close()

ds := new(mock.Store)
ds.LicenseFunc = func() (*kolide.License, error) {
 atomic.AddInt64(&licFunInvoked, 1)
 result := &kolide.License{
  UpdateTimestamp: kolide.UpdateTimestamp{
   UpdatedAt: time.Now().Add(-5 * time.Minute),
  },
  Token:     &tokenString,
  PublicKey: publicKey,
  Revoked:   false,
  ID:        1,
 }
 return result, nil
}
ds.RevokeLicenseFunc = func(revoked bool) error {
 atomic.AddInt64(&revokeFunInvoked, 1)
 return nil
}

// inject our custom logger so we can get log without breaking race
// detection
logger := &testLogger{}
c := clock.NewMockClock()

checker := NewChecker(ds, ts.URL,
 mockTicker(c.NewTicker(time.Millisecond)),
 HTTPClient(&http.Client{Timeout: 2 * time.Millisecond}),
 Logger(logger),
)
checker.Start()
<-time.After(10 * time.Millisecond)
c.AddTime(time.Millisecond)
<-time.After(10 * time.Millisecond)
checker.Stop()

assert.Equal(t, int64(1), atomic.LoadInt64(&licFunInvoked))
assert.Equal(t, int64(0),
```

```
 atomic.LoadInt64(&revokeFunInvoked))
 match, _ := regexp.MatchString("(Client.Timeout exceeded while awaiting headers)", logger.read())
 assert.True(t, match)
 // check to make sure things cleanly shut down.
 match, _ = regexp.MatchString("finishing", logger.read())
 assert.True(t, match)

}
package mysql

import (
 "fmt"

 jwt "github.com/dgrijalva/jwt-go"
 "github.com/kolide/kolide/server/kolide"
 "github.com/pkg/errors"
)

func (ds *Datastore) RevokeLicense(revoked bool) error {
 sql := `
  UPDATE licenses SET
   revoked = ?
  WHERE id = 1
 `
 _, err := ds.db.Exec(sql, revoked)
 if err != nil {
  return errors.Wrap(err, "updating license revoked")
 }
 return nil
}

// LicensePublicKey will insure that a jwt token is signed properly and that we
// have the public key we need to validate it.  The public key string is returned
// on success
func (ds *Datastore) LicensePublicKey(token string) (string, error) {
 var (
  publicKeyHash string
  publicKey     string
 )
 _, err := jwt.Parse(token, func(token *jwt.Token) (interface{}, error) {
  if _, ok := token.Method.(*jwt.SigningMethodRSA); !ok {
   return "", fmt.Errorf("Unexpected signing method: %v", token.Header["alg"])
  }

  h, ok := token.Header["kid"]
  if !ok {
   return "", errors.New("missing kid header")
  }
```

```
 publicKeyHash,
ok = h.(string)
 if !ok {
  return "", errors.New("kid is not expected type")
 }

 sql := `
  SELECT pk.key
   FROM public_keys pk
   WHERE hash = ?`

 err := ds.db.Get(&publicKey, sql, publicKeyHash)
 if err != nil {
  return "", errors.Wrap(err, "could not find public key matching hash")
 }
 return jwt.ParseRSAPublicKeyFromPEM([]byte(publicKey))
})
return publicKey, err
}

func (ds *Datastore) SaveLicense(token, publicKey string) (*kolide.License, error) {
 sqlStatement := `
  UPDATE licenses SET
  token = ?,
  ` + "`key`" + ` = ?
  WHERE id = 1`

 _, err := ds.db.Exec(sqlStatement, token, publicKey)
 if err != nil {
  return nil, errors.Wrap(err, "saving license")
 }
 result, err := ds.License()
 if err != nil {
  return nil, errors.Wrap(err, "fetching license")
 }
 return result, nil
}

func (ds *Datastore) License() (*kolide.License, error) {
 query := `
  SELECT * FROM licenses
    WHERE id = 1
  `
 var license kolide.License
 err := ds.db.Get(&license,
 query)
 if err != nil {
  return nil, errors.Wrap(err, "fetching license information")
```

```
 }
 query = `
   SELECT count(*)
     FROM hosts
     WHERE NOT deleted
 `
 err = ds.db.Get(&license.HostCount, query)
 if err != nil {
  return nil, errors.Wrap(err, "fetching host count for license")
 }
 return &license, nil
}
```

Third-Party Licenses
==========

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package service

import (
 "testing"
 "time"

 "github.com/WatchBeam/clock"
 "github.com/kolide/kolide/server/kolide"
 "github.com/kolide/kolide/server/mock"
 "github.com/stretchr/testify/assert"
 "github.com/stretchr/testify/require"
 "golang.org/x/net/context"
)

func TestLicenseService(t *testing.T) {
 tokenString := "eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjRkOmM1OmRlOmE1Oj" +
  "czOmUxOmE4OjI4OmU2OmEyOjMwOmI4OmI1OjBmOjg4OjQ0In0.eyJsaWNlbnNlX3V1aWQiOiIyZD" +
  "gwMmEyYS1hZjRjLTQ5ZjItYWRlNC0zOGJmNjBmMmQxZjYiLCJvcmdhbml6YXRpb25fbmFtZSI6Il" +
  "BoYW50YXNtLCBJbmMuIiwib3JnYW5pemF0aW9uX3V1aWQiOiI5ZmFiNjdiMy0wZWFjLTRhODMtOTI" +
  "wNS04MjkyMWIwNDJmODYiLCJob3N0X2xpbWl0IjowLCJldmFsdWF0aW9uIjp0cnVlLCJleHBpcmV" +
  "zX2F0IjoiMjAxNy0wMy0wNFQxNDozODo1NyswMDowMCJ9.DRFQIUDFXT0bDdya0IJKvATKCJjv3Mv" +
  "w5gMxHNzby_L80muoe-36DoRxBAJZHL7dOfQDU8NRK2Mt64ozThrhWVl8wJlD9mk5ABe3tNw3LJRl" +
  "2mHvOLmk37_AIHp5AEKZ6cWMPa9zf8hWf6bAv_0rOJf5wgyE81pfqRFtO0OnkGO3WLcP66L0AIntq" +
  "IzAE_vWmizcUvUOCWDqwcBlT-P1mZnWJFCaSBpmpQoi3KEKJDx0wMjLiRNLX9R9dr3v3ojccoYuxR"
 +
  "qAws-OHv3VzcuGdn3Pt9WBDr4cXdtqxaGtxJb6-BDvp8QQk69ACZXrZJ8NhZAL0EVlviRRw8bbEYchZQ"

 publicKey :=
  `-----BEGIN PUBLIC KEY-----
MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEA0ZhY7r6HmifXPtServt4
D3MSi8Awe9u132vLf8yzlknvnq+8CSnOPSSbCD+HajvZ6dnNJXjdcAhuZ32ShrH8
rEQACEUS8Mh4z8Mo5Nlq1ou0s2JzWCx049kA34jP3u6AiPgpWUf8JRGstTlisxMn
H6B7miDs1038gVbN5rk+j+3ALYzllaTnCX3Y0C7f6IW7BjNO/tvFB84/95xfOLEz
o2MeFMqkD29hvcrUW+8+fQGJaVLvcEqBDnIEVbCCk8Wnoi48dUE06WHUl6voJecD
dW1E6jHcq8PQFK+4bI1gKZVbV4dFGSSMUyD7ov77aWHjxdQe6YEGcSXKzfyMaUtQ
vQIDAQAB
-----END PUBLIC KEY-----
`

 ds := new(mock.Store)
 ds.LicenseFunc = func() (*kolide.License, error) {
  result := &kolide.License{
   UpdateTimestamp: kolide.UpdateTimestamp{
```

```
   UpdatedAt: time.Now().Add(-5 * time.Minute),
  },
  Token:     &tokenString,
  PublicKey: publicKey,
  Revoked:   false,
  ID:        1,
 }
 return result, nil
}

svc, err := newTestService(ds, nil)
require.Nil(t, err)
ctx
:= context.Background()

lic, err := svc.License(ctx)
require.Nil(t, err)
claims, err := lic.Claims()
require.Nil(t, err)
require.NotNil(t, claims)

assert.Equal(t, "2d802a2a-af4c-49f2-ade4-38bf60f2d1f6", claims.LicenseUUID)
assert.Equal(t, "Phantasm, Inc.", claims.OrganizationName)
assert.Equal(t, "9fab67b3-0eac-4a83-9205-82921b042f86", claims.OrganizationUUID)
assert.Equal(t, 0, claims.HostLimit)
assert.Equal(t, "2017-03-04T14:38:57Z", claims.ExpiresAt.Format(time.RFC3339))
assert.True(t, claims.Evaluation)

// Eval license expires without grace period
tm, err := time.Parse(time.RFC3339, "2017-03-04T14:38:57Z")
require.Nil(t, err)
c := clock.NewMockClock(tm)
assert.False(t, claims.Expired(c.Now()))
c.AddTime(time.Second)
assert.True(t, claims.Expired(c.Now()))
// Non eval gets a sixty day grace period
claims.Evaluation = false
tm, err = time.Parse(time.RFC3339, "2017-03-04T14:38:57Z")
tm = tm.Add(kolide.LicenseGracePeriod)
c = clock.NewMockClock(tm)
assert.False(t,
claims.Expired(c.Now()))
c.AddTime(time.Second)
assert.True(t, claims.Expired(c.Now()))

}

func TestLicenseServiceWithTamperedToken(t *testing.T) {
```

```
tokenString := "eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjRkOmM1OmRlOmE1Oj" +
 "czOmUxOmE4OjI4OmU2OmEyOjMwOmI4OmI1OjBmOjg4OjQ0In0.eyJsaWNlbnNlX3V1aWQiOiIyZD" +
 "gwMmEyYS1hZjRjLTQ5ZjItYWRlNC0zOGJmNjBmMmQxZjYiLCJvcmdhbml6YXRpb25fbmFtZSI6Il" +
 "BoYW50YXNtLCBJbmMuIiwib35nYW5pemF0aW9uX3V1aWQiOiI5ZmFiNjdiMy0wZWFjLTRhODMtOTI" +
 "wNS04MjkyMWIwNDJmODYiLCJob3N0X2xpbWl0IjowLCJldmFsdWF0aW9uIjp0cnVlLCJleHBpcmV" +
 "zX2F0IjoiMjAxNy0wMy0wNFQxNDozODo1NyswMDowMCJ9.DRFQIUDFXT0bDdya0IJKvATKCJjv3Mv" +
 "w5gMxHNzby_L80muoe-36DoRxBAJZHL7dOfQDU8NRK2Mt64ozThrhWVl8wJlD9mk5ABe3tNw3LJRl" +
 "2mHvOLmk37_AIHp5AEKZ6cWMPa9zf8hWf6bAv_0rOJf5wgyE81pfqRFtO0OnkGO3WLcP66L0AIntq" +
 "IzAE_vWmizcUvUOCWDqwcBlT-P1mZnWJFCaSBpmpQoi3KEKJDx0wMjLiRNLX9R9dr3v3ojccoYuxR" +
 "qAws-OHv3VzcuGdn3Pt9WBDr4cXdtqxaGtxJb6-BDvp8QQk69ACZXrZJ8NhZAL0EVlviRRw8bbEYchZQ"

publicKey
:=
 `-----BEGIN PUBLIC KEY-----
MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEA0ZhY7r6HmifXPtServt4
D3MSi8Awe9u132vLf8yzlknvnq+8CSnOPSSbCD+HajvZ6dnNJXjdcAhuZ32ShrH8
rEQACEUS8Mh4z8Mo5Nlq1ou0s2JzWCx049kA34jP3u6AiPgpWUf8JRGstTlisxMn
H6B7miDs1038gVbN5rk+j+3ALYzllaTnCX3Y0C7f6IW7BjNO/tvFB84/95xfOLEz
o2MeFMqkD29hvcrUW+8+fQGJaVLvcEqBDnIEVbCCk8Wnoi48dUE06WHUl6voJecD
dW1E6jHcq8PQFK+4bI1gKZVbV4dFGSSMUyD7ov77aWHjxdQe6YEGcSXKzfyMaUtQ
vQIDAQAB
-----END PUBLIC KEY-----
`

ds := new(mock.Store)
ds.LicenseFunc = func() (*kolide.License, error) {
 result := &kolide.License{
  UpdateTimestamp: kolide.UpdateTimestamp{
   UpdatedAt: time.Now().Add(-5 * time.Minute),
  },
  Token:     &tokenString,
  PublicKey: publicKey,
  Revoked:   false,
  ID:        1,
 }
 return result, nil
}

svc, err := newTestService(ds, nil)
require.Nil(t, err)
ctx := context.Background()

lic, err := svc.License(ctx)
require.Nil(t, err)
_, err = lic.Claims()
require.NotNil(t, err)

}
```

```
func TestLicenseServiceWithMissingToken(t
 *testing.T) {

 publicKey :=
  `-----BEGIN PUBLIC KEY-----
MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEA0ZhY7r6HmifXPtServt4
D3MSi8Awe9u132vLf8yzlknvnq+8CSnOPSSbCD+HajvZ6dnNJXjdcAhuZ32ShrH8
rEQACEUS8Mh4z8Mo5Nlq1ou0s2JzWCx049kA34jP3u6AiPgpWUf8JRGstTlisxMn
H6B7miDs1038gVbN5rk+j+3ALYzllaTnCX3Y0C7f6IW7BjNO/tvFB84/95xfOLEz
o2MeFMqkD29hvcrUW+8+fQGJaVLvcEqBDnIEVbCCk8Wnoi48dUE06WHUl6voJecD
dW1E6jHcq8PQFK+4bI1gKZVbV4dFGSSMUyD7ov77aWHjxdQe6YEGcSXKzfyMaUtQ
vQIDAQAB
-----END PUBLIC KEY-----
`

 ds := new(mock.Store)
 ds.LicenseFunc = func() (*kolide.License, error) {
  result := &kolide.License{
   UpdateTimestamp: kolide.UpdateTimestamp{
    UpdatedAt: time.Now().Add(-5 * time.Minute),
   },
   Token:     nil,
   PublicKey: publicKey,
   Revoked:   false,
   ID:        1,
  }
  return result, nil
 }

 svc, err := newTestService(ds, nil)
 require.Nil(t, err)
 ctx := context.Background()

 lic, err := svc.License(ctx)
 require.Nil(t, err)
 _, err = lic.Claims()
 require.NotNil(t,
 err)

}

func TestLicenseServiceWithWrongPublicKey(t *testing.T) {
 tokenString := "eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjRkOmM1OmRlOmE1Oj" +
  "czOmUxOmE4OjI4OmU2OmEyOjMwOmI4OmI1OjBmOjg4OjQ0In0.eyJsaWNlbnNlX3V1aWQiOiIyZD" +
  "gwMmEyYS1hZjRjLTQ5ZjItYWRlNC0zOGJmNjBmMmQxZjYiLCJvcmdhbml6YXRpb25fbmFtZSI6Il" +
  "BoYW50YXNtLCBJbmMuIiwib3JnYW5pemF0aW9uX3V1aWQiOiI5ZmFiNjdiMy0wZWFjLTRhODMtOTI" +
  "wNS04MjkyMWIwNDJmODYiLCJob3N0X2xpbWl0IjowLCJldmFsdWF0aW9uIjp0cnVlLCJleHBpcmV" +
```

```
  "zX2F0IjoiMjAxNy0wMy0wNFQxNDozODo1NyswMDowMCJ9.DRFQIUDFXT0bDdya0IJKvATKCJjv3Mv" +
  "w5gMxHNzby_L80muoe-36DoRxBAJZHL7dOfQDU8NRK2Mt64ozThrhWVl8wJlD9mk5ABe3tNw3LJRl" +
  "2mHvOLmk37_AIHp5AEKZ6cWMPa9zf8hWf6bAv_0rOJf5wgyE81pfqRFtO0OnkGO3WLcP66L0AIntq" +
  "IzAE_vWmizcUvUOCWDqwcBlT-P1mZnWJFCaSBpmpQoi3KEKJDx0wMjLiRNLX9R9dr3v3ojccoYuxR" +
  "qAws-OHv3VzcuGdn3Pt9WBDr4cXdtqxaGtxJb6-BDvp8QQk69ACZXrZJ8NhZAL0EVlviRRw8bbEYchZQ"

 publicKey :=
  `-----BEGIN PUBLIC KEY-----
MIIBIjANBgkqhkiBBB0BAQEFAAOCAQ8AMIIBCgKCAQEA0ZhY7r6HmifXPtServt4
D3MSi8Awe9u132vLf8yzlknvnq+8CSnOPSSbCD+HajvZ6dnNJXjdcAhuZ32ShrH8
rEQACEUS8Mh4z8Mo5Nlq1ou0s2JzWCx049kA34jP3u6AiPgpWUf8JRGstTlisxMn
H6B7miDs1038gVbN5rk+j+3ALYzllaTnCX3Y0C7f6IW7BjNO/tvFB84/95xfOLEz
o2MeFMqkD29hvcrUW+8+fQGJaVLvcEqBDnIEVbCCk8Wnoi48dUE06WHUl6voJecD
dW1E6jHcq8PQFK+4bI1gKZVbV4dFGSSMUyD7ov77aWHjxdQe6YEGcSXKzfyMaUtQ
vQIDAQAB
-----END
 PUBLIC KEY-----
`

 ds := new(mock.Store)
 ds.LicenseFunc = func() (*kolide.License, error) {
  result := &kolide.License{
   UpdateTimestamp: kolide.UpdateTimestamp{
    UpdatedAt: time.Now().Add(-5 * time.Minute),
   },
   Token:     &tokenString,
   PublicKey: publicKey,
   Revoked:   false,
   ID:        1,
  }
  return result, nil
 }

 svc, err := newTestService(ds, nil)
 require.Nil(t, err)
 ctx := context.Background()

 lic, err := svc.License(ctx)
 require.Nil(t, err)
 _, err = lic.Claims()
 require.NotNil(t, err)

}
package service

import (
 "github.com/kolide/kolide/server/kolide"
 "golang.org/x/net/context"
```

```
)

func (svc service) License(ctx context.Context) (*kolide.License, error) {
 license, err := svc.ds.License()
 if err != nil {
  return nil, err
 }
 return license, nil
}

func (svc service) SaveLicense(ctx context.Context, jwtToken string) (*kolide.License, error) {
 publicKey, err := svc.ds.LicensePublicKey(jwtToken)
 if err != nil {
  return nil, licensingError{err.Error()}
 }
 updated, err := svc.ds.SaveLicense(jwtToken, publicKey)
 if err != nil {
  return nil, err
 }
 return updated, nil
}
package service

import (
 "fmt"
 "time"

 "github.com/kolide/kolide/server/kolide"
 "golang.org/x/net/context"
)

func (mw metricsMiddleware) SaveLicense(ctx context.Context, jwtToken string) (*kolide.License, error) {
 var (
  lic *kolide.License
  err error
 )
 defer func(begin time.Time) {
  lvs := []string{"method", "SaveLicense", "error", fmt.Sprint(err != nil)}
  mw.requestCount.With(lvs...).Add(1)
  mw.requestLatency.With(lvs...).Observe(time.Since(begin).Seconds())
 }(time.Now())
 lic, err = mw.Service.SaveLicense(ctx, jwtToken)
 return lic, err
}

func (mw metricsMiddleware) License(ctx context.Context) (*kolide.License, error) {
 var (
  lic *kolide.License
```

```
 err error
)
defer func(begin time.Time) {
 lvs := []string{"method", "License", "error", fmt.Sprint(err != nil)}
 mw.requestCount.With(lvs...).Add(1)
 mw.requestLatency.With(lvs...).Observe(time.Since(begin).Seconds())
}(time.Now())
lic, err = mw.Service.License(ctx)
return lic, err

}
package license

import (
 "encoding/json"
 "errors"
 "fmt"
 "net/http"
 "sync"
 "time"

 "github.com/WatchBeam/clock"
 "github.com/go-kit/kit/log"
 "github.com/kolide/kolide/server/kolide"
)

const (
 defaultPollFrequency     = 8 * time.Hour
 defaultHttpClientTimeout = 10 * time.Second
)

type timer struct {
 *time.Ticker
}

func (t *timer) Chan() <-chan time.Time {
 return t.C
}

type revokeInfo struct {
 UUID    string `json:"uuid"`
 Revoked bool   `json:"revoked"`
}

type revokeError struct {
 Status int    `json:"status"`
 Error  string `json:"error"`
}
```

```
// Checker checks remote kolide/cloud app for license revocation
// status
type Checker struct {
 ds           kolide.Datastore
 logger       log.Logger
 url          string
 pollFrequency time.Duration
 ticker       clock.Ticker
 client       *http.Client
 finish       chan struct{}
}

type Option func(chk *Checker)

// Logger set the logger that will be used by the Checker
func Logger(logger log.Logger) Option {
 return func(chk
 *Checker) {
  chk.logger = logger
 }
}

// HTTPClient supply your own http client
func HTTPClient(client *http.Client) Option {
 return func(chk *Checker) {
  chk.client = client
 }
}

func PollFrequency(freq time.Duration) Option {
 ticker := &timer{
  Ticker: time.NewTicker(freq),
 }
 return func(chk *Checker) {
  chk.ticker = ticker
  chk.pollFrequency = freq
 }
}

// NewChecker instantiates a service that will check periodically to see if a license
// is revoked.  licenseEndpointURL is the root url for kolide/cloud server.  For example
// https://cloud.kolide.co/api/v0/licenses
// You may optionally set a logger, and/or supply a polling frequency that defines
// how often we check for revocation.
func NewChecker(ds kolide.Datastore, licenseEndpointURL string, opts ...Option) *Checker {
 defaultTicker := &timer{
  Ticker: time.NewTicker(defaultPollFrequency),
```

```
 }
 response := &Checker{
  logger:       log.NewNopLogger(),
  ds:           ds,
  pollFrequency: defaultPollFrequency,
  client:
       &http.Client{Timeout: defaultHttpClientTimeout},
  url:          licenseEndpointURL,
  ticker:       defaultTicker,
  finish:       make(chan struct{}),
 }
 for _, o := range opts {
  o(response)
 }

 response.logger = log.NewContext(response.logger).With("component", "license-checker")
 return response
}

var wait sync.WaitGroup

// Start begins checking for license revocation. Note that start can only
// be called once. If Stop is called you must create a new checker to use
// it again.
func (cc *Checker) Start() error {
 if cc.finish == nil {
  return errors.New("start called on stopped checker")
 }
 // pass in copy of receiver to avoid race conditions
 go func(chk Checker, wait *sync.WaitGroup) {
  wait.Add(1)
  defer wait.Done()
  chk.logger.Log("msg", "starting")
  chk.logger.Log("poll-frequency", cc.pollFrequency, "http-timeout", cc.client.Timeout)

  for {
   select {
   case <-chk.finish:
    chk.logger.Log("msg", "finishing")
    return
   case <-chk.ticker.Chan():
    updateLicenseRevocation(&chk)
   }
  }
 }(*cc,
 &wait)

 return nil
```

```
}

// Stop ends checking for license revocation.
func (cc *Checker) Stop() {
 cc.ticker.Stop()
 close(cc.finish)
 wait.Wait()
 cc.finish = nil
}

func updateLicenseRevocation(chk *Checker) {
 chk.logger.Log("msg", "begin license check")
 defer chk.logger.Log("msg", "ending license check")

 license, err := chk.ds.License()
 if err != nil {
  chk.logger.Log("msg", "couldn't fetch license", "err", err)
  return
 }
 claims, err := license.Claims()
 if err != nil {
  chk.logger.Log("msg", "fetching claims", "err", err)
  return
 }
 url := fmt.Sprintf("%s/%s", chk.url, claims.LicenseUUID)
 resp, err := chk.client.Get(url)
 if err != nil {
  chk.logger.Log("msg", fmt.Sprintf("fetching %s", url), "err", err)
  return
 }
 defer resp.Body.Close()
 switch resp.StatusCode {
 case http.StatusOK:
  var revInfo revokeInfo
  err = json.NewDecoder(resp.Body).Decode(&revInfo)
  if err != nil {
   chk.logger.Log("msg",
"decoding response", "err", err)
   return
  }
  err = chk.ds.RevokeLicense(revInfo.Revoked)
  if err != nil {
   chk.logger.Log("msg", "revoke status", "err", err)
   return
  }
  // success
  chk.logger.Log("msg", fmt.Sprintf("license revocation status retrieved succesfully, revoked: %t", revInfo.Revoked))
 case http.StatusNotFound:
```

```
  var revInfo revokeError
  err = json.NewDecoder(resp.Body).Decode(&revInfo)
  if err != nil {
   chk.logger.Log("msg", "decoding response", "err", err)
   return
  }
  chk.logger.Log("msg", "host response", "err", fmt.Sprintf("status: %d error: %s", revInfo.Status, revInfo.Error))
 default:
  chk.logger.Log("msg", "host response", "err", fmt.Sprintf("unexpected response status from host, status %s",
resp.Status))
 }
}
package service

import (
 "time"

 "github.com/go-kit/kit/endpoint"
 "github.com/kolide/kolide/server/kolide"
 "golang.org/x/net/context"
)

type licenseRequest struct {
 License string `json:"license"`
}

type license struct {
 Token        string    `json:"token"`
 Expiry       time.Time `json:"expiry"`
 AllowedHosts int       `json:"allowed_hosts"`
 Hosts        uint      `json:"hosts"`
 Evaluation   bool      `json:"evaluation"`
 Revoked      bool      `json:"revoked"`
 Organization string    `json:"organization"`
}

type licenseResponse struct {
 License license `json:"license,omitempty"`
 Err     error   `json:"error,omitempty"`
}

func (lr licenseResponse) error() error { return lr.Err }

// makeUpdateLicenseEndpoint is used by admins to replace or update
// licenses.
func makeUpdateLicenseEndpoint(svc kolide.Service) endpoint.Endpoint {
 return func(ctx context.Context, request interface{}) (interface{}, error) {
  lr := request.(licenseRequest)
```

```
 updated, err := svc.SaveLicense(ctx,
lr.License)
 if err != nil {
  return licenseResponse{Err: err}, nil
 }
 claims, err := updated.Claims()
 if err != nil {
  return licenseResponse{Err: err}, nil
 }
 response := &licenseResponse{
  License: license{
   Token:        *updated.Token,
   Expiry:       claims.ExpiresAt,
   AllowedHosts: claims.HostLimit,
   Hosts:        updated.HostCount,
   Revoked:      updated.Revoked,
   Organization: claims.OrganizationName,
  },
 }
 return response, nil
}
}

func makeGetLicenseEndpoint(svc kolide.Service) endpoint.Endpoint {
 return func(ctx context.Context, request interface{}) (interface{}, error) {
  lic, err := svc.License(ctx)
  if err != nil {
   return licenseResponse{Err: err}, nil
  }
  claims, err := lic.Claims()
  if err != nil {
   return licenseResponse{Err: err}, nil
  }
  response := licenseResponse{
   License: license{
   Expiry:       claims.ExpiresAt,
   AllowedHosts: claims.HostLimit,
   Hosts:        lic.HostCount,
   Token:
*lic.Token,
   Revoked:      lic.Revoked,
   Organization: claims.OrganizationName,
  },
  }
  return response, nil
 }
}
```

```
// makeSetupLicenseEndpoint is only to be used once, if a license is successfully
// installed we return an error if it is called again.  Note that this endpoint
// requires no authentication.  Once a license is installed the user will be
// redirected to login or setup, depending on whether setup is complete or not.
func makeSetupLicenseEndpoint(svc kolide.Service) endpoint.Endpoint {
 return func(ctx context.Context, request interface{}) (interface{}, error) {
  req := request.(licenseRequest)
  saved, err := svc.SaveLicense(ctx, req.License)
  if err != nil {
   return licenseResponse{Err: err}, nil
  }
  claims, err := saved.Claims()
  if err != nil {
   return licenseResponse{Err: licensingError{err.Error()}}, nil
  }
  response := licenseResponse{
   License: license{
    Token:        *saved.Token,
    Revoked:      saved.Revoked,
    Expiry:       claims.ExpiresAt,
    AllowedHosts:
 claims.HostLimit,
    Hosts:        saved.HostCount,
    Organization: claims.OrganizationName,
   },
  }
  return response, nil
 }
}
package service

import (
 "encoding/json"
 "net/http"

 "golang.org/x/net/context"
)

func decodeLicenseRequest(ctx context.Context, r *http.Request) (interface{}, error) {
 var req licenseRequest
 if err := json.NewDecoder(r.Body).Decode(&req); err != nil {
  return nil, err
 }
 return req, nil
}
Third-Party Licenses
====================
```

```
| Name | License |
| ---- | ------- |
{{- range .}}
| [{{.Name}}]({{.SourceURL}}) | [{{.License}}]({{getLicenseURL .License }}) |
{{- end -}}
package datastore

import (
 "math/rand"
 "testing"
 "time"

 "github.com/kolide/kolide/server/kolide"
 "github.com/stretchr/testify/assert"
 "github.com/stretchr/testify/require"
)

var token = "eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjRkOmM1OmRlOmE1OjczOm" +
 "UxOmE4OjI4OmU2OmEyOjMwOmI4OmI1OjBmOjg4OjQ0In0.eyJsaWNlbnNlX3V1aWQiOiIyYWYyZD" +
 "lhMC1iOWE1LTQ0ZTItODU1NC04Mjc2MGI4ODQwZDYiLCJvcmdhbml6YXRpb25fbmFtZSI6IlBoYW5" +
 "0YXNtLCBJbmMuIiwib3JnYW5pemF0aW9uX3V1aWQiOiJkZmJkNWIwMy0xMDg0LTQ2YWUtYjM4MS1l"
+
 "MTI5YWM2NmU4ZDgiLCJob3N0X2xpbWl0IjowLCJldmFsdWF0aW9uIjp0cnVlLCJleHBpcmVzX2F0I" +
 "joiMjAxNy0wMy0wNFQxNTowMTo0OSswMDowMCJ9.Ny4Fxqlq_4U647gmIouFPZQH4YG8R_AHOlDTB" +
 "ObWOUfhcKiz44vRkCqr_Jqprb0zVtSVy1bMojLLmQhKjSxQZuiqvQBfou9Osfd5D3i-TXEb5JpoCg" +
 "Fem-1t5jvOT7T9H4HJpuKE40cnOl3Zu2OzjjdxMMZbj_i2iwZytW1b7SrGNAwJVXXwJs2a95bGbMu" +
 "ZWyV-YpuHaWlx-VpTv4c2vQo2eQWTpTH7YdcQ7Mo_5QdN7247qKo_ORTtqLLTjg7BoxB__ydWMhxO" +
 "QuRJGQAMc0OsZ72uLd7JKzvWpSLFk7mdVk718mweq6X2R0BPKtTc6lYjbPScoTysM2Owe5Hi7A"

var
 publicKey = `-----BEGIN PUBLIC KEY-----
MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEA0ZhY7r6HmifXPtServt4
D3MSi8Awe9u132vLf8yzlknvnq+8CSnOPSSbCD+HajvZ6dnNJXjdcAhuZ32ShrH8
rEQACEUS8Mh4z8Mo5Nlq1ou0s2JzWCx049kA34jP3u6AiPgpWUf8JRGstTlisxMn
H6B7miDs1038gVbN5rk+j+3ALYzllaTnCX3Y0C7f6IW7BjNO/tvFB84/95xfOLEz
o2MeFMqkD29hvcrUW+8+fQGJaVLvcEqBDnIEVbCCk8Wnoi48dUE06WHUl6voJecD
dW1E6jHcq8PQFK+4bI1gKZVbV4dFGSSMUyD7ov77aWHjxdQe6YEGcSXKzfyMaUtQ
vQIDAQAB
-----END PUBLIC KEY-----
`

func testLicense(t *testing.T, ds kolide.Datastore) {
 if ds.Name() == "inmem" {
  t.Skip("inmem is deprecated")
 }

 err := ds.MigrateData()
 require.Nil(t, err)
```

```
 license, err := ds.License()
 require.Nil(t, err)
 assert.Nil(t, license.Token)

 _, err = ds.SaveLicense(token, publicKey)
 require.Nil(t, err)
 license, err = ds.License()
 require.Nil(t, err)
 require.NotNil(t, license.Token)
 assert.Equal(t, token, *license.Token)

 err = ds.RevokeLicense(!license.Revoked)
 require.Nil(t, err)
 changedLicense,
 err := ds.License()
 require.Nil(t, err)
 assert.NotEqual(t, license.Revoked, changedLicense.Revoked)

 // screw around with the token in random ways and make sure that A) it doesn't
 // panic and B) returns an error
 r := rand.New(rand.NewSource(time.Now().UnixNano()))
 for i := 0; i < 10; i++ {
  j := r.Uint32()
  k := j % uint32(len(token))
  buff := []byte(token)
  buff[k] = buff[k] + 1
  _, err = ds.LicensePublicKey(string(buff))
  require.NotNil(t, err)
 }

}
package service

import (
 "time"

 "github.com/kolide/kolide/server/kolide"
 "golang.org/x/net/context"
)

func (mw loggingMiddleware) SaveLicense(ctx context.Context, jwtToken string) (*kolide.License, error) {
 var (
  lic *kolide.License
  err error
 )
 defer func(begin time.Time) {
  mw.logger.Log(
   "method", "SaveLicense",
```

```
  "err", err,
  "took", time.Since(begin),
 )
}(time.Now())
lic, err = mw.Service.SaveLicense(ctx, jwtToken)
return lic, err
}

func (mw loggingMiddleware) License(ctx context.Context) (*kolide.License, error) {
 var (
  lic *kolide.License
  err error
 )
 defer func(begin time.Time) {
  mw.logger.Log(
   "method", "License",
   "err", err,
   "took", time.Since(begin),
  )
 }(time.Now())
 lic, err = mw.Service.License(ctx)
 return lic, err

}
package tables

import (
 "database/sql"
)

func init() {
 MigrationClient.AddMigration(Up_20170127014618, Down_20170127014618)
}

func Up_20170127014618(tx *sql.Tx) error {
 sqlStatement := "CREATE TABLE `licenses` ( " +
  "`id` int(10) NOT NULL AUTO_INCREMENT, " +
  "`updated_at` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE
CURRENT_TIMESTAMP, " +
  "`revoked` tinyint(1) unsigned NOT NULL DEFAULT FALSE, " +
  "`key` text NOT NULL, " +
  "`token` text, " +
  "PRIMARY KEY (`id`) " +
  ") ENGINE=InnoDB DEFAULT CHARSET=utf8;"
 _, err := tx.Exec(sqlStatement)
 return err
}
```

```
func Down_20170127014618(tx *sql.Tx) error {
 _, err := tx.Exec("DROP TABLE IF EXISTS `licenses`;")
 return err
}
// Automatically generated by mockimpl. DO NOT EDIT!

package mock

import "github.com/kolide/kolide/server/kolide"

var _ kolide.LicenseStore = (*LicenseStore)(nil)

type SaveLicenseFunc func(tokenString string, publicKey string) (*kolide.License, error)

type LicenseFunc func() (*kolide.License, error)

type LicensePublicKeyFunc func(tokenString string) (string, error)

type RevokeLicenseFunc func(revoked bool) error

type LicenseStore struct {
 SaveLicenseFunc        SaveLicenseFunc
 SaveLicenseFuncInvoked bool

 LicenseFunc        LicenseFunc
 LicenseFuncInvoked bool

 LicensePublicKeyFunc        LicensePublicKeyFunc
 LicensePublicKeyFuncInvoked bool

 RevokeLicenseFunc        RevokeLicenseFunc
 RevokeLicenseFuncInvoked bool
}

func (s *LicenseStore) SaveLicense(tokenString string, publicKey string) (*kolide.License, error) {
 s.SaveLicenseFuncInvoked = true
 return s.SaveLicenseFunc(tokenString, publicKey)
}

func (s *LicenseStore) License() (*kolide.License, error) {
 s.LicenseFuncInvoked
 = true
 return s.LicenseFunc()
}

func (s *LicenseStore) LicensePublicKey(tokenString string) (string, error) {
 s.LicensePublicKeyFuncInvoked = true
 return s.LicensePublicKeyFunc(tokenString)
```

```
}

func (s *LicenseStore) RevokeLicense(revoked bool) error {
 s.RevokeLicenseFuncInvoked = true
 return s.RevokeLicenseFunc(revoked)
}
# License names that are allowable for use in Kolide. Map from license name to
# URL for that license.
allowed_licenses:
 MIT:
   https://opensource.org/licenses/MIT
 MIT/X11:
   https://opensource.org/licenses/MIT
 Apache-1.0:
   https://www.apache.org/licenses/LICENSE-1.0
 Apache-2.0:
   https://www.apache.org/licenses/LICENSE-2.0
 Apache License, Version 2.0:
   https://www.apache.org/licenses/LICENSE-2.0
 JSON:
   http://www.json.org/license.html
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   https://opensource.org/licenses/PostgreSQL
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   https://opensource.org/licenses/ISC
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 # NewBSD and BSD-3-Clause refer to the same license
```

```
 NewBSD:
   https://opensource.org/licenses/BSD-3-Clause
 BSD-3-Clause:
   https://opensource.org/licenses/BSD-3-Clause
 # Assume "BSD" refers to the stricter BSD-3-Clause
 BSD:
   https://opensource.org/licenses/BSD-3-Clause


# Packages that are detected as dependencies because they have a package.json,
# but are actually tests for their parent directories. These packages are
# covered under the license of their parent directory, and will not be listed
# as dependencies. Path should be relative to $GOPATH/github.com/kolide/kolide.
tests:
 ? node_modules/in-publish/test
 ? node_modules/readdirp/examples
 ? node_modules/node-pre-gyp/lib/util/nw-pre-gyp
 ? node_modules/fsevents/node_modules/node-pre-gyp/lib/util/nw-pre-gyp
 ? node_modules/brace/example
 ?
 node_modules/uuid/benchmark
 ? node_modules/resolve/test/resolver/baz
 ? node_modules/resolve/test/resolver/incorrect_main
 ? node_modules/stream-http/test/browser
 ? node_modules/resolve/test/module_dir/zmodules/bbb
 ? node_modules/browserify-zlib/test

# Packages for which automatic license detection fails. The given license type
# will be used. Usually this license is manually determined from the README or
# license file. Path should be relative to $GOPATH/github.com/kolide/kolide.
overrides:
 node_modules/string-hash:
   CC0-1.0
 node_modules/indexof:
   MIT
 node_modules/css-color-function/node_modules/debug:
   MIT
 node_modules/cli-table:
   MIT
 node_modules/async-foreach:
   MIT
 # (BSD-2-Clause OR MIT OR Apache-2.0)
 node_modules/fsevents/node_modules/rc:
   MIT
 # (BSD-2-Clause OR MIT OR Apache-2.0)
 node_modules/rc:
   MIT
 # (GPL-2.0 OR MIT)
```

```
 node_modules/ua-parser-js:
   MIT
 node_modules/spdx-expression-parse:
   MIT
 # (WTFPL OR MIT)
 node_modules/path-is-inside:
    MIT
 # BSD-3-Clause OR MIT
 node_modules/amdefine:
   MIT
 node_modules/stackframe:
   Unlicense
 node_modules/fsevents/node_modules/bcrypt-pbkdf:
   BSD-3-Clause
 node_modules/ripemd160:
   MIT
 node_modules/entities:
   BSD-2-Clause
 node_modules/css-what:
   BSD-2-Clause
 node_modules/css-select:
   BSD-2-Clause
 node_modules/rgb:
   MIT
 vendor/github.com/pelletier/go-buffruneio:
   MIT
 vendor/github.com/kr/logfmt:
   MIT
 vendor/github.com/davecgh/go-spew:
   ISC
 vendor/github.com/go-sql-driver/mysql:
   MPL-2.0
package kolide

import (
 "fmt"
 "time"

 "github.com/dgrijalva/jwt-go"
 "github.com/pkg/errors"
 "golang.org/x/net/context"
)

const (
 LicenseGracePeriod = time.Hour * 24 * 60 // 60 days
 hostLimitUnlimited = 0
)
```

```
type LicenseStore interface {
 // SaveLicense saves jwt formatted customer license information
 SaveLicense(tokenString, publicKey string) (*License, error)
 // License returns a structure with the jwt customer license if it exists.
 License() (*License, error)
 // LicensePublicKey gets the public key associated with this license
 LicensePublicKey(tokenString string) (string, error)
 // RevokeLicense sets revoked status of license
 RevokeLicense(revoked bool) error
}

type LicenseService interface {
 // License returns details of a customer license that determine authorization
 // to use the Kolide product. If the customer has not uploaded a token,
 // the license Token will be nil.
 License(ctx context.Context) (*License, error)

 // SaveLicense writes jwt token string to database
 after performing
 // validation
 SaveLicense(ctx context.Context, jwtToken string) (*License, error)
}

// Contains information needed to extract customer license particulars.
type License struct {
 UpdateTimestamp
 ID uint
 // Token is a jwt token
 Token *string `db:"token"`
 // PublicKey is used to validate the Token and extract claims
 PublicKey string `db:"key"`
 // Revoked if true overrides a license that might otherwise be valid
 Revoked bool
 // HostCount is the count of enrolled hosts
 HostCount uint `db:"-"`
}

// LicenseClaims contains information about the rights of a customer to
// use the Kolide product
type Claims struct {
 LicenseUUID      string
 OrganizationName string
 OrganizationUUID string
 // HostLimit the maximum number of hosts that a customer can use. 0 is unlimited.
 HostLimit int
 // Evaluation indicates that Kolide can be used for eval only.
 Evaluation bool
 // ExpiresAt time when license expires
```

```
 ExpiresAt time.Time
 // HostCount number of enrolled
 hosts
 HostCount int
}

// Expired returns true if the license is expired
func (c *Claims) Expired(current time.Time) bool {
 if c.Evaluation && c.ExpiresAt.Before(current) {
  return true
 }
 if !c.Evaluation && c.ExpiresAt.Add(LicenseGracePeriod).Before(current) {
  return true
 }
 return false
}

// CanEnrollHost returns true if the user is licensed to enroll additional
// hosts
func (c *Claims) CanEnrollHost() bool {
 if c.HostLimit == hostLimitUnlimited {
  return true
 }
 if c.HostCount <= c.HostLimit {
  return true
 }
 return false
}

// Claims returns information contained in the jwt license token
func (l *License) Claims() (*Claims, error) {
 if l.Token == nil {
  return nil, errors.New("license missing")
 }
 token, err := jwt.Parse(*l.Token, func(token *jwt.Token) (interface{}, error) {
  if _, ok := token.Method.(*jwt.SigningMethodRSA); !ok {
   return nil, fmt.Errorf("Unexpected signing method: %v", token.Header["alg"])
  }
  key, err := jwt.ParseRSAPublicKeyFromPEM([]byte(l.PublicKey))
  if
 err != nil {
   return nil, errors.Wrap(err, "reading license token")
  }
  return key, nil
 })
 if err != nil {
  return nil, errors.Wrap(err, "reading licence token")
 }
```

```
 var result Claims
 if claims, ok := token.Claims.(jwt.MapClaims); ok && token.Valid {
  result.LicenseUUID = claims["license_uuid"].(string)
  result.OrganizationName = claims["organization_name"].(string)
  result.OrganizationUUID = claims["organization_uuid"].(string)
  result.HostLimit = int(claims["host_limit"].(float64))
  result.Evaluation = claims["evaluation"].(bool)
  expiry, err := time.Parse(time.RFC3339, claims["expires_at"].(string))
  if err != nil {
   return nil, err
  }
  result.ExpiresAt = expiry
 } else {
  return nil, errors.New("license token is not valid")
 }
 result.HostCount = int(l.HostCount)
 return &result, nil
}
package main

import (
 "bytes"
 "fmt"
 "os"
 "path/filepath"
 "testing"

 "github.com/stretchr/testify/assert"
 "github.com/stretchr/testify/require"
)

func TestPathFunctions(t *testing.T) {
 // Restore GOPATH after this test
 defer os.Setenv("GOPATH", os.Getenv("GOPATH"))

 gopath := "/gopath"
 os.Setenv("GOPATH", gopath)
 expectedPrefix := filepath.Join(gopath, "src/github.com/kolide/kolide")
 assert.Equal(t, filepath.Join(expectedPrefix, "foo/bar"), absolutePath("foo/bar"))

 assert.Equal(t, "foo/bar/baz", relativePath(absolutePath("foo/bar/baz")))
}

func TestCheckLicenses(t *testing.T) {
 config := settings{}
 deps := []dependency{}
 assert.Empty(t, checkLicenses(config, deps))
```

```
 // No allowed licenses
 deps = []dependency{
  {Name: "foobar", License: "MIT"},
 }
 assert.Equal(t, deps, checkLicenses(config, deps))

 // All (one) licenses acceptable
 config.AllowedLicenses = map[string]string{
  "MIT":       "fake_url",
  "Unlicense": "fake_url",
 }
 assert.Empty(t, checkLicenses(config,
 deps))

 // Some good, some bad
 deps = []dependency{
  {Name: "foobar", License: "MIT"},
  {Name: "bingle", License: ""},
  {Name: "quant", License: "Unlicense"},
  {Name: "grokk", License: "GPL2.0"},
 }
 invalid := checkLicenses(config, deps)
 if assert.Len(t, invalid, 2) {
  assert.Contains(t, invalid, deps[1])
  assert.Contains(t, invalid, deps[3])
 }
}

func TestWriteLicensesMarkdown(t *testing.T) {
 out := &bytes.Buffer{}
 config := settings{
  AllowedLicenses: map[string]string{
   "MIT":       "mit_url",
   "Unlicense": "unlicense_url",
   "Apache2.0": "apache_url",
  },
 }

 deps := []dependency{
  {Name: "foobar", SourceURL: "foobar_url", License: "MIT"},
  {Name: "quant", SourceURL: "quant_url", License: "Unlicense"},
  {Name: "zingle", SourceURL: "zingle_url", License: "Apache2.0"},
  {Name: "manx", SourceURL: "manx_url", License: "MIT"},
 }

 err := writeLicensesMarkdown(config, deps, out)
 require.Nil(t, err)
```

```
 md := out.String()

 expectedTableLine := func(dep dependency)
 string {
  return fmt.Sprintf("| [%s](%s) | [%s](%s) |",
   dep.Name, dep.SourceURL, dep.License, config.AllowedLicenses[dep.License])
 }
 for _, dep := range deps {
  assert.Contains(t, md, expectedTableLine(dep))
 }
}
```

1.8616 snappy 0.0.4

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1.8617 compress 1.17.9

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1.8621 coreos-go-semver 0.3.0

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1.8622 github.com/jackc/puddle/v2 2.2.2

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1.8623 github.com/jackc/pgservicefile 0.0.0-20240606120523-5a60cdf6a761

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1.8624 github.com/ibm/sarama 1.43.3

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1.8625 semver 3.5.1+incompatible

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1.8626 github.com/dlintw/goconf 0.0.0-20120228082610-dcc070983490

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Metadata-Version: 1.1
Name: mimeparse
Version: 0.1.3
Author: Joe Gregorio
Author-email: joe@bitworking.org
Maintainer: Joe Gregorio
Maintainer-email: joe@bitworking.org
Home-page: http://code.google.com/p/mimeparse/
Download-url: http://code.google.com/p/mimeparse/downloads/list
Summary: mimeparse
License: MIT License

Description: A module provides basic functions for parsing mime-type names and matching them against a list of media-ranges.
Keywords: python mime-type
Platform: any
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1.8627 github.com/jackc/pgx/v5 5.7.2

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1.8628 component-helpers 0.0.0-20240801005738-7473aa8e4624

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```
package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
 Plugin     string
 Option     string
 Severity   string // 'deprecated', 'removed', or 'unsupported'
 ReplacedBy string
 Additional string
 Version    string
}

func (n *Notice) ToString() string {
 s := ""
 if n.Option == "" {
  s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
 } else {
  s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
 }
 if n.Severity == SevUnsupported {
  s += "is unsupported by this migration tool in " + n.Version + "."
 } else if n.Severity == SevNewDefault {
  s += "is added as a default in " + n.Version + "."
 } else {
```

```
 s += "is " + n.Severity + " in " + n.Version + "."
 }
 if n.ReplacedBy != "" {
  s += fmt.Sprintf(` It is replaced by "%v".`, n.ReplacedBy)
 }
 if n.Additional != "" {
  s += " " + n.Additional
 }
 return s
}

const (
 // The following statuses are used to indicate the state of support/deprecation in a given release.
 SevDeprecated  = "deprecated"
  // deprecated, but still completely functional
 SevIgnored     = "ignored"     // if included in the corefile, it will be ignored by CoreDNS
 SevRemoved     = "removed"     // completely removed from CoreDNS, and would cause CoreDNS to exit if present
in the Corefile
 SevNewDefault  = "newdefault"  // added to the default corefile.  CoreDNS may not function properly if it is not
present in the corefile.
 SevUnsupported = "unsupported" // the plugin/option is not supported by the migration tool

 // The following statuses are used for selecting/filtering notifications
 SevAll = "all" // show all statuses
)
```

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==========

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==========
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// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL  string `json:"url,omitempty"`
}
```

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Protocol Buffers for Go with Gadgets

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==========
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```
package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
 Plugin     string
 Option     string
 Severity   string // 'deprecated', 'removed', or 'unsupported'
 ReplacedBy string
 Additional string
 Version    string
}

func (n *Notice) ToString() string {
 s := ""
 if n.Option == "" {
  s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
 } else {
  s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
 }
 if n.Severity == SevUnsupported {
  s += "is unsupported by this migration tool in " + n.Version + "."
 } else if n.Severity == SevNewDefault {
  s += "is added as a default in " + n.Version + "."
 } else {
  s += "is " + n.Severity + " in " + n.Version + "."
 }
 if n.ReplacedBy != "" {
  s += fmt.Sprintf(` It is replaced by "%v".`, n.ReplacedBy)
 }
 if n.Additional != "" {
  s += " " + n.Additional
 }
 return s
}

const (
 // The following statuses are used to indicate the state of support/deprecation in a given release.
 SevDeprecated  = "deprecated"
  // deprecated, but still completely functional
 SevIgnored     = "ignored"     // if included in the corefile, it will be ignored by CoreDNS
 SevRemoved     = "removed"     // completely removed from CoreDNS, and would cause CoreDNS to exit if present
in the Corefile
 SevNewDefault  = "newdefault"  // added to the default corefile.  CoreDNS may not function properly if it is not
present in the corefile.
 SevUnsupported = "unsupported" // the plugin/option is not supported by the migration tool
```

// The following statuses are used for selecting/filtering notifications
SevAll = "all" // show all statuses
)
Prometheus instrumentation library for Go applications
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==========
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// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL string `json:"url,omitempty"`
}
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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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==========
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```
package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
 Plugin     string
 Option     string
 Severity   string // 'deprecated', 'removed', or 'unsupported'
 ReplacedBy string
 Additional string
```

```
 Version    string
}

func (n *Notice) ToString() string {
 s := ""
 if n.Option == "" {
  s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
 } else {
  s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
 }
 if n.Severity == SevUnsupported {
  s += "is unsupported by this migration tool in " + n.Version + "."
 } else if n.Severity == SevNewDefault {
  s += "is added as a default in " + n.Version + "."
 } else {
  s += "is " + n.Severity + " in " + n.Version + "."
 }
 if n.ReplacedBy != "" {
  s += fmt.Sprintf(` It is replaced by "%v".`, n.ReplacedBy)
 }
 if n.Additional != "" {
  s += " " + n.Additional
 }
 return s
}

const (
 // The following statuses are used to indicate the state of support/deprecation in a given release.
 SevDeprecated  = "deprecated"
  // deprecated, but still completely functional
 SevIgnored     = "ignored"     // if included in the corefile, it will be ignored by CoreDNS
 SevRemoved     = "removed"     // completely removed from CoreDNS, and would cause CoreDNS to exit if present
in the Corefile
 SevNewDefault  = "newdefault"  // added to the default corefile.  CoreDNS may not function properly if it is not
present in the corefile.
 SevUnsupported = "unsupported" // the plugin/option is not supported by the migration tool

 // The following statuses are used for selecting/filtering notifications
 SevAll = "all" // show all statuses
)
```

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==========
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==========
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// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL  string `json:"url,omitempty"`
}
```

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==========
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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
created specifically to own Python-related Intellectual Property.
Zope Corporation was a sponsoring member of the PSF.

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releases have also been GPL-compatible; the table below summarizes
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Release	Derived from	Year	Owner	GPL-compatible? (1)

0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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import: ../../../../fossene/db/schema/thing.yml
fields:
  site: string
  author: root

1.8642 zap-exp 1.17.0

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1.8643 genproto-googleapis-rpc 0.0.0-20240318140521-94a12d6c2237

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1.8644 etcd-server 3.5.16

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1.8646 proto-otlp 1.3.1

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1.8649 contrib-instrumentation-net-http-otelhttp 0.49.0

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1.8650 otel-exporters-otlp-otlptrace-otlptracegrpc 1.28.0

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- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
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- jsp_2_3.xsd
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- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd

- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
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- web-common_3_0.xsd
- web-fragment_3_0.xsd

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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
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- javaee_web_services_1_2.xsd
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- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
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- jsp_2_3.xsd
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1.8657 container-device-interface 0.8.0

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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxLogFuseable.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxTakeLastOne.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoPeek.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoSourceFluxFuseable.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoElapsed.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoMaterialize.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoMapFuseable.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxDistinctFuseable.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxSubscribeOn.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoIgnoreElement.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoNext.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxDistinct.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxBufferTimeout.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxAutoConnectFuseable.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxPublish.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/ParallelLift.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/NextProcessor.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoReduceSeed.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/DirectInnerContainer.java
*

/opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoAll.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxWindow.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoAny.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxDoFinally.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxNameFuseable.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/DirectProcessor.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoNameFuseable.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxMapSignal.java
*
/opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxDoOnEach.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoCount.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxMapFuseable.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoCollectList.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxProcessor.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/util/Metrics.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxMap.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/util/concurrent/SpscArrayQueue.java
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/opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoStreamCollector.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/ReplayProcessor.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoPeekTerminal.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoCollect.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoHasElements.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/EmitterProcessor.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxDefaultIfEmpty.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-

jar/reactor/core/publisher/MonoProcessor.java
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/opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoFlattenIterable.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoName.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/DelegateProcessor.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoElementAt.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoHasElement.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/Signal.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxName.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/UnicastProcessor.java
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/opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoDoFinally.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/scheduler/ImmediateScheduler.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoCacheInvalidateWhen.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxOnErrorReturn.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoOnErrorReturn.java
*
 /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/observability/SignalListenerFactory.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/observability/SignalListener.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/scheduler/SchedulerState.java

* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/observability/DefaultSignalListener.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxMetrics.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxSwitchOnFirst.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/util/context/Context0.java
*
 /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/util/context/Context3.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/util/context/Context2.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxDelaySequence.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/scheduler/WorkerTask.java
*
 /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxOnBackpressureBufferTimeout.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/OperatorDisposables.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/scheduler/PeriodicSchedulerTask.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/CoreSubscriber.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-

jar/reactor/core/scheduler/InstantPeriodicWorkerTask.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/util/concurrent/Queues.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/scheduler/SchedulerTask.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoCacheTime.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/Disposables.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/ParallelFlatMap.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxFromMonoOperator.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/ParallelMap.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxPublishOn.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/BufferOverflowStrategy.java
*
 /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/InnerOperator.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/scheduler/ExecutorServiceWorker.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxOnBackpressureBuffer.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/Disposable.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/ContextHolder.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/GroupedFlux.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-

jar/reactor/core/publisher/CallSiteSupplierFactory.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/ContextPropagationSupport.java
*
 /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/scheduler/BoundedElasticSchedulerSupplier.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/InternalProducerAttr.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/scheduler/BoundedElasticThreadPerTaskScheduler.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/ParallelFluxRestoringThreadLocals.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxUsingWhen.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxMergeComparing.java
*
 /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoUsingWhen.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/Scannable.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/InternalOneSink.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/scheduler/DelegatingScheduledExecutorService.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/InternalManySink.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/Timed.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/util/context/Context5.java

* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/util/context/Context4.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/util/context/Context.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoTakeLastOne.java

* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/scheduler/ParallelScheduler.java
*
 /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/scheduler/SingleScheduler.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/Mono.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/Hooks.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/Flux.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/util/concurrent/MpscLinkedQueue.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/scheduler/ReactorThreadFactory.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoPublishMulticast.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoDelayUntil.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxFilterWhen.java
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* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/ContextPropagation.java

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/opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/MonoTapRestoringThreadLocals.java
* /opt/cola/permits/2450048588_1746812801.5236638/0/reactor-core-3-7-5-sources-jar/reactor/core/publisher/FluxTapFuseable.java

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* /opt/cola/permits/2450400151_1746855638.9666572/0/konnectivity-client-0-30-3-zip/konnectivity-client/pkg/common/metrics/metrics.go
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* /opt/cola/permits/2450400151_1746855638.9666572/0/konnectivity-client-0-30-3-zip/konnectivity-client/pkg/client/client_test.go
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1.8673 python-setuptools 80.4.0

1.8673.1 Available under license :

The code contained in this directory was automatically generated using the
following command:

python -m validate_pyproject.pre_compile --output-dir=setuptools/config/_validate_pyproject --enable-plugins setuptools distutils --very-verbose -t setuptools=setuptools/config/setuptools.schema.json -t distutils=setuptools/config/distutils.schema.json

Please avoid changing it manually.

You can report issues or suggest changes directly to `validate-pyproject`
(or to the relevant plugin repository)

- https://github.com/abravalheri/validate-pyproject/issues

***

The following files include code from opensource projects
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  - project: `fastjsonschema` - licensed under BSD-3-Clause

(https://github.com/horejsek/python-fastjsonschema)
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Additionally
the following files are automatically generated by tools provided
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- `__init__.py`
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`fastjsonschema`
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.8681 reactor-netty-core 1.2.5

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jar/reactor/netty/channel/ContextAwareChannelMetricsHandler.java
* /opt/cola/permits/2451540736_1747077610.6642354/0/reactor-netty-core-1-2-5-sources-jar/reactor/netty/channel/AbstractChannelMetricsHandler.java
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 /opt/cola/permits/2451540736_1747077610.6642354/0/reactor-netty-core-1-2-5-sources-jar/reactor/netty/channel/ContextAwareChannelMetricsRecorder.java
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* /opt/cola/permits/2451540736_1747077610.6642354/0/reactor-netty-core-1-2-5-sources-jar/reactor/netty/tcp/TcpClientConfig.java
* /opt/cola/permits/2451540736_1747077610.6642354/0/reactor-netty-core-1-2-5-sources-jar/reactor/netty/resources/DefaultPooledConnectionProvider.java
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* /opt/cola/permits/2451540736_1747077610.6642354/0/reactor-netty-core-1-2-5-sources-jar/reactor/netty/DisposableChannel.java
* /opt/cola/permits/2451540736_1747077610.6642354/0/reactor-netty-core-1-2-5-sources-jar/reactor/netty/udp/UdpResources.java
* /opt/cola/permits/2451540736_1747077610.6642354/0/reactor-netty-core-1-2-5-sources-jar/reactor/netty/DisposableServer.java
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* /opt/cola/permits/2451540736_1747077610.6642354/0/reactor-netty-core-1-2-5-sources-jar/reactor/netty/udp/UdpConnection.java
* /opt/cola/permits/2451540736_1747077610.6642354/0/reactor-netty-core-1-2-5-sources-jar/reactor/netty/ByteBufFlux.java
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* /opt/cola/permits/2451540736_1747077610.6642354/0/reactor-netty-core-1-2-5-sources-jar/reactor/netty/tcp/package-info.java
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/opt/cola/permits/2451540736_1747077610.6642354/0/reactor-netty-core-1-2-5-sources-jar/reactor/netty/package-info.java
* /opt/cola/permits/2451540736_1747077610.6642354/0/reactor-netty-core-1-2-5-sources-jar/reactor/netty/udp/UdpOutbound.java
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* /opt/cola/permits/2451540736_1747077610.6642354/0/reactor-netty-core-1-2-5-sources-jar/reactor/netty/udp/UdpInbound.java
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* /opt/cola/permits/2451540736_1747077610.6642354/0/reactor-netty-core-1-2-5-sources-jar/reactor/netty/ConnectionObserver.java
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*

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*
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* /opt/cola/permits/2451540736_1747077610.6642354/0/reactor-netty-core-1-2-5-sources-jar/reactor/netty/resources/DefaultLoopEpoll.java
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* /opt/cola/permits/2451540736_1747077610.6642354/0/reactor-netty-core-1-2-5-sources-jar/reactor/netty/tcp/DefaultSslContextSpec.java
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1.8682 reactor-netty-http 1.2.5

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* /opt/cola/permits/2451540801_1747077605.8966324/0/reactor-netty-http-1-2-5-sources-jar/reactor/netty/http/server/HttpServerMeters.java
* /opt/cola/permits/2451540801_1747077605.8966324/0/reactor-netty-http-1-2-5-sources-jar/reactor/netty/http/client/Http2AllocationStrategy.java

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* /opt/cola/permits/2451540801_1747077605.8966324/0/reactor-netty-http-1-2-5-sources-jar/reactor/netty/http/server/SimpleCompressionHandler.java
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* /opt/cola/permits/2451540801_1747077605.8966324/0/reactor-netty-http-1-2-5-sources-jar/reactor/netty/http/server/ServerCookies.java
* /opt/cola/permits/2451540801_1747077605.8966324/0/reactor-netty-http-1-2-5-sources-jar/reactor/netty/http/Http2SslContextSpec.java
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* /opt/cola/permits/2451540801_1747077605.8966324/0/reactor-netty-http-1-2-5-sources-jar/reactor/netty/http/server/logging/AccessLogFactory.java
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1.8683 opentelemetry-collector-pdata 1.12.0

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1.8684 opentelemetry-collector-semconv 0.105.0

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1.8685 urfave-cli 1.22.14

1.8685.1 Available under license :

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1.8686 google-cloud-go 0.115.0

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```
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// Code generated by protoc-gen-go. DO NOT EDIT.
// versions:
//  protoc-gen-go v1.34.1
//  protoc        v4.25.3
// source: google/ai/generativelanguage/v1beta/permission.proto
```

```
package generativelanguagepb

import (
 reflect "reflect"
 sync "sync"

 _ "google.golang.org/genproto/googleapis/api/annotations"
 protoreflect "google.golang.org/protobuf/reflect/protoreflect"
 protoimpl "google.golang.org/protobuf/runtime/protoimpl"
)

const
 (
 // Verify that this generated code is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(20 - protoimpl.MinVersion)
 // Verify that runtime/protoimpl is sufficiently up-to-date.
 _ = protoimpl.EnforceVersion(protoimpl.MaxVersion - 20)
)

// Defines types of the grantee of this permission.
type Permission_GranteeType int32

const (
 // The default value. This value is unused.
 Permission_GRANTEE_TYPE_UNSPECIFIED Permission_GranteeType = 0
 // Represents a user. When set, you must provide email_address for the user.
 Permission_USER Permission_GranteeType = 1
 // Represents a group. When set, you must provide email_address for the
 // group.
 Permission_GROUP Permission_GranteeType = 2
 // Represents access to everyone. No extra information is required.
 Permission_EVERYONE Permission_GranteeType = 3
)

// Enum value maps for Permission_GranteeType.
var (
 Permission_GranteeType_name = map[int32]string{
  0: "GRANTEE_TYPE_UNSPECIFIED",
  1: "USER",
  2:
 "GROUP",
  3: "EVERYONE",
 }
 Permission_GranteeType_value = map[string]int32{
  "GRANTEE_TYPE_UNSPECIFIED": 0,
  "USER":                     1,
  "GROUP":                    2,
  "EVERYONE":                 3,
```

```
 }
)

func (x Permission_GranteeType) Enum() *Permission_GranteeType {
 p := new(Permission_GranteeType)
 *p = x
 return p
}

func (x Permission_GranteeType) String() string {
 return protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_GranteeType) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0].Descriptor()
}

func (Permission_GranteeType) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[0]
}

func (x Permission_GranteeType) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_GranteeType.Descriptor instead.
func (Permission_GranteeType) EnumDescriptor() ([]byte,
 []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 0}
}

// Defines the role granted by this permission.
type Permission_Role int32

const (
 // The default value. This value is unused.
 Permission_ROLE_UNSPECIFIED Permission_Role = 0
 // Owner can use, update, share and delete the resource.
 Permission_OWNER Permission_Role = 1
 // Writer can use, update and share the resource.
 Permission_WRITER Permission_Role = 2
 // Reader can use the resource.
 Permission_READER Permission_Role = 3
)

// Enum value maps for Permission_Role.
var (
 Permission_Role_name = map[int32]string{
```

```
  0: "ROLE_UNSPECIFIED",
  1: "OWNER",
  2: "WRITER",
  3: "READER",
 }
 Permission_Role_value = map[string]int32{
  "ROLE_UNSPECIFIED": 0,
  "OWNER":           1,
  "WRITER":          2,
  "READER":          3,
 }
)

func (x Permission_Role) Enum() *Permission_Role {
 p := new(Permission_Role)
 *p = x
 return p
}

func (x Permission_Role) String() string {
 return
 protoimpl.X.EnumStringOf(x.Descriptor(), protoreflect.EnumNumber(x))
}

func (Permission_Role) Descriptor() protoreflect.EnumDescriptor {
 return file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1].Descriptor()
}

func (Permission_Role) Type() protoreflect.EnumType {
 return &file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes[1]
}

func (x Permission_Role) Number() protoreflect.EnumNumber {
 return protoreflect.EnumNumber(x)
}

// Deprecated: Use Permission_Role.Descriptor instead.
func (Permission_Role) EnumDescriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0, 1}
}

// Permission resource grants user, group or the rest of the world access to the
// PaLM API resource (e.g. a tuned model, corpus).
//
// A role is a collection of permitted operations that allows users to perform
// specific actions on PaLM API resources. To make them available to users,
// groups, or service accounts,
```

```
 you assign roles. When you assign a role, you
// grant permissions that the role contains.
//
// There are three concentric roles. Each role is a superset of the previous
// role's permitted operations:
//
// - reader can use the resource (e.g. tuned model, corpus) for inference
// - writer has reader's permissions and additionally can edit and share
// - owner has writer's permissions and additionally can delete
type Permission struct {
 state         protoimpl.MessageState
 sizeCache     protoimpl.SizeCache
 unknownFields protoimpl.UnknownFields

 // Output only. Identifier. The permission name. A unique name will be
 // generated on create. Examples:
 //
 // tunedModels/{tuned_model}/permissions/{permission}
 // corpora/{corpus}/permissions/{permission}
 //
 // Output only.
 Name string `protobuf:"bytes,1,opt,name=name,proto3" json:"name,omitempty"`
 // Optional. Immutable. The type of the grantee.
 GranteeType *Permission_GranteeType
`protobuf:"varint,2,opt,name=grantee_type,json=granteeType,proto3,enum=google.ai.generativelanguage.v1beta.Pe
rmission_GranteeType,oneof"
 json:"grantee_type,omitempty"`
 // Optional. Immutable. The email address of the user of group which this
 // permission refers. Field is not set when permission's grantee type is
 // EVERYONE.
 EmailAddress *string `protobuf:"bytes,3,opt,name=email_address,json=emailAddress,proto3,oneof"
json:"email_address,omitempty"`
 // Required. The role granted by this permission.
 Role *Permission_Role
`protobuf:"varint,4,opt,name=role,proto3,enum=google.ai.generativelanguage.v1beta.Permission_Role,oneof"
json:"role,omitempty"`
}

func (x *Permission) Reset() {
 *x = Permission{}
 if protoimpl.UnsafeEnabled {
  mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  ms.StoreMessageInfo(mi)
 }
}

func (x *Permission) String() string {
```

```
 return protoimpl.X.MessageStringOf(x)
}

func (*Permission) ProtoMessage() {}

func (x *Permission)
 ProtoReflect() protoreflect.Message {
 mi := &file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0]
 if protoimpl.UnsafeEnabled && x != nil {
  ms := protoimpl.X.MessageStateOf(protoimpl.Pointer(x))
  if ms.LoadMessageInfo() == nil {
   ms.StoreMessageInfo(mi)
  }
  return ms
 }
 return mi.MessageOf(x)
}

// Deprecated: Use Permission.ProtoReflect.Descriptor instead.
func (*Permission) Descriptor() ([]byte, []int) {
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP(), []int{0}
}

func (x *Permission) GetName() string {
 if x != nil {
  return x.Name
 }
 return ""
}

func (x *Permission) GetGranteeType() Permission_GranteeType {
 if x != nil && x.GranteeType != nil {
  return *x.GranteeType
 }
 return Permission_GRANTEE_TYPE_UNSPECIFIED
}

func (x *Permission) GetEmailAddress() string {
 if x != nil && x.EmailAddress != nil {
  return *x.EmailAddress
 }
 return ""
}

func (x *Permission) GetRole() Permission_Role {
 if x != nil && x.Role
 != nil {
  return *x.Role
```

```
 }
 return Permission_ROLE_UNSPECIFIED
}

var File_google_ai_generativelanguage_v1beta_permission_proto protoreflect.FileDescriptor

var file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = []byte{
 0x0a, 0x34, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x12, 0x23, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x1a, 0x1f, 0x67, 0x6f, 0x6f,
 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x66, 0x69, 0x65, 0x6c, 0x64, 0x5f, 0x62, 0x65,
 0x68, 0x61, 0x76, 0x69, 0x6f, 0x72, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x1a,
 0x19, 0x67, 0x6f,
 0x6f, 0x67, 0x6c, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x2f, 0x72, 0x65, 0x73, 0x6f, 0x75, 0x72, 0x63,
 0x65, 0x2e, 0x70, 0x72, 0x6f, 0x74, 0x6f, 0x22, 0x85, 0x05, 0x0a, 0x0a, 0x50, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x1a, 0x0a, 0x04, 0x6e, 0x61, 0x6d, 0x65, 0x18, 0x01,
 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x03, 0xe0, 0x41, 0x08, 0x52, 0x04, 0x6e, 0x61,
 0x6d, 0x65, 0x12, 0x6b, 0x0a, 0x0c, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f, 0x74, 0x79,
 0x70, 0x65, 0x18, 0x02, 0x20, 0x01, 0x28, 0x0e, 0x32, 0x3b, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c,
 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c,
 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x2e, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65,
 0x65, 0x54, 0x79, 0x70, 0x65, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x00, 0x52,
 0x0b, 0x67,
 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x54, 0x79, 0x70, 0x65, 0x88, 0x01, 0x01, 0x12,
 0x30, 0x0a, 0x0d, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73,
 0x18, 0x03, 0x20, 0x01, 0x28, 0x09, 0x42, 0x06, 0xe0, 0x41, 0x01, 0xe0, 0x41, 0x05, 0x48, 0x01,
 0x52, 0x0c, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x41, 0x64, 0x64, 0x72, 0x65, 0x73, 0x73, 0x88, 0x01,
 0x01, 0x12, 0x52, 0x0a, 0x04, 0x72, 0x6f, 0x6c, 0x65, 0x18, 0x04, 0x20, 0x01, 0x28, 0x0e, 0x32,
 0x34, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61, 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65,
 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76,
 0x31, 0x62, 0x65, 0x74, 0x61, 0x2e, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e,
 0x2e, 0x52, 0x6f, 0x6c, 0x65, 0x42, 0x03, 0xe0, 0x41, 0x02, 0x48, 0x02, 0x52, 0x04, 0x72, 0x6f,
 0x6c, 0x65, 0x88, 0x01, 0x01, 0x22, 0x4e, 0x0a, 0x0b, 0x47, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65,
 0x54, 0x79, 0x70, 0x65, 0x12, 0x1c, 0x0a,
 0x18, 0x47, 0x52, 0x41, 0x4e, 0x54, 0x45, 0x45, 0x5f,
 0x54, 0x59, 0x50, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45, 0x44,
 0x10, 0x00, 0x12, 0x08, 0x0a, 0x04, 0x55, 0x53, 0x45, 0x52, 0x10, 0x01, 0x12, 0x09, 0x0a, 0x05,
 0x47, 0x52, 0x4f, 0x55, 0x50, 0x10, 0x02, 0x12, 0x0c, 0x0a, 0x08, 0x45, 0x56, 0x45, 0x52, 0x59,
 0x4f, 0x4e, 0x45, 0x10, 0x03, 0x22, 0x3f, 0x0a, 0x04, 0x52, 0x6f, 0x6c, 0x65, 0x12, 0x14, 0x0a,
 0x10, 0x52, 0x4f, 0x4c, 0x45, 0x5f, 0x55, 0x4e, 0x53, 0x50, 0x45, 0x43, 0x49, 0x46, 0x49, 0x45,
 0x44, 0x10, 0x00, 0x12, 0x09, 0x0a, 0x05, 0x4f, 0x57, 0x4e, 0x45, 0x52, 0x10, 0x01, 0x12, 0x0a,
 0x0a, 0x06, 0x57, 0x52, 0x49, 0x54, 0x45, 0x52, 0x10, 0x02, 0x12, 0x0a, 0x0a, 0x06, 0x52, 0x45,
 0x41, 0x44, 0x45, 0x52, 0x10, 0x03, 0x3a, 0xaa, 0x01, 0xea, 0x41, 0xa6, 0x01, 0x0a, 0x2c, 0x67,
 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67,
```

```
 0x65, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x61, 0x70, 0x69, 0x73,
 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x50, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x12, 0x32, 0x74, 0x75, 0x6e,
 0x65, 0x64, 0x4d, 0x6f, 0x64, 0x65, 0x6c, 0x73, 0x2f, 0x7b, 0x74, 0x75, 0x6e, 0x65, 0x64, 0x5f,
 0x6d, 0x6f, 0x64, 0x65, 0x6c, 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f,
 0x6e, 0x73, 0x2f, 0x7b, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x12,
 0x29, 0x63, 0x6f, 0x72, 0x70, 0x6f, 0x72, 0x61, 0x2f, 0x7b, 0x63, 0x6f, 0x72, 0x70, 0x75, 0x73,
 0x7d, 0x2f, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x2f, 0x7b, 0x70,
 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x7d, 0x2a, 0x0b, 0x70, 0x65, 0x72, 0x6d,
 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x73, 0x32, 0x0a, 0x70, 0x65, 0x72, 0x6d, 0x69, 0x73, 0x73,
 0x69, 0x6f, 0x6e, 0x42, 0x0f, 0x0a, 0x0d, 0x5f, 0x67, 0x72, 0x61, 0x6e, 0x74, 0x65, 0x65, 0x5f,
 0x74, 0x79, 0x70, 0x65, 0x42, 0x10, 0x0a, 0x0e, 0x5f, 0x65, 0x6d, 0x61, 0x69, 0x6c, 0x5f, 0x61,
 0x64,
 0x64, 0x72, 0x65, 0x73, 0x73, 0x42, 0x07, 0x0a, 0x05, 0x5f, 0x72, 0x6f, 0x6c, 0x65, 0x42,
 0x9b, 0x01, 0x0a, 0x27, 0x63, 0x6f, 0x6d, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x61,
 0x69, 0x2e, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e, 0x67,
 0x75, 0x61, 0x67, 0x65, 0x2e, 0x76, 0x31, 0x62, 0x65, 0x74, 0x61, 0x42, 0x0f, 0x50, 0x65, 0x72,
 0x6d, 0x69, 0x73, 0x73, 0x69, 0x6f, 0x6e, 0x50, 0x72, 0x6f, 0x74, 0x6f, 0x50, 0x01, 0x5a, 0x5d,
 0x63, 0x6c, 0x6f, 0x75, 0x64, 0x2e, 0x67, 0x6f, 0x6f, 0x67, 0x6c, 0x65, 0x2e, 0x63, 0x6f, 0x6d,
 0x2f, 0x67, 0x6f, 0x2f, 0x61, 0x69, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76,
 0x65, 0x6c, 0x61, 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x2f, 0x61, 0x70, 0x69, 0x76, 0x31, 0x62,
 0x65, 0x74, 0x61, 0x2f, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74, 0x69, 0x76, 0x65, 0x6c, 0x61,
 0x6e, 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x3b, 0x67, 0x65, 0x6e, 0x65, 0x72, 0x61, 0x74,
 0x69, 0x76, 0x65, 0x6c, 0x61, 0x6e,
 0x67, 0x75, 0x61, 0x67, 0x65, 0x70, 0x62, 0x62, 0x06, 0x70,
 0x72, 0x6f, 0x74, 0x6f, 0x33,
}

var (
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce sync.Once
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc
)

func file_google_ai_generativelanguage_v1beta_permission_proto_rawDescGZIP() []byte {
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDescOnce.Do(func() {
  file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData =
protoimpl.X.CompressGZIP(file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData)
 })
 return file_google_ai_generativelanguage_v1beta_permission_proto_rawDescData
}

var file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes = make([]protoimpl.EnumInfo, 2)
var file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes = make([]protoimpl.MessageInfo, 1)
var file_google_ai_generativelanguage_v1beta_permission_proto_goTypes
 = []interface{}{
 (Permission_GranteeType)(0), // 0: google.ai.generativelanguage.v1beta.Permission.GranteeType
 (Permission_Role)(0),        // 1: google.ai.generativelanguage.v1beta.Permission.Role
```

```
 (*Permission)(nil),          // 2: google.ai.generativelanguage.v1beta.Permission
}
var file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = []int32{
 0, // 0: google.ai.generativelanguage.v1beta.Permission.grantee_type:type_name ->
google.ai.generativelanguage.v1beta.Permission.GranteeType
 1, // 1: google.ai.generativelanguage.v1beta.Permission.role:type_name ->
google.ai.generativelanguage.v1beta.Permission.Role
 2, // [2:2] is the sub-list for method output_type
 2, // [2:2] is the sub-list for method input_type
 2, // [2:2] is the sub-list for extension type_name
 2, // [2:2] is the sub-list for extension extendee
 0, // [0:2] is the sub-list for field type_name
}

func init() { file_google_ai_generativelanguage_v1beta_permission_proto_init()
 }
func file_google_ai_generativelanguage_v1beta_permission_proto_init() {
 if File_google_ai_generativelanguage_v1beta_permission_proto != nil {
  return
 }
 if !protoimpl.UnsafeEnabled {
  file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].Exporter = func(v interface{}, i int)
interface{} {
   switch v := v.(*Permission); i {
   case 0:
    return &v.state
   case 1:
    return &v.sizeCache
   case 2:
    return &v.unknownFields
   default:
    return nil
   }
  }
 }
 file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes[0].OneofWrappers = []interface{}{}
 type x struct{}
 out := protoimpl.TypeBuilder{
  File: protoimpl.DescBuilder{
   GoPackagePath: reflect.TypeOf(x{}).PkgPath(),
   RawDescriptor: file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc,
   NumEnums:      2,
   NumMessages:   1,
   NumExtensions: 0,
   NumServices:   0,
  },
  GoTypes:           file_google_ai_generativelanguage_v1beta_permission_proto_goTypes,
  DependencyIndexes:
```

```
 file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs,
  EnumInfos:         file_google_ai_generativelanguage_v1beta_permission_proto_enumTypes,
  MessageInfos:      file_google_ai_generativelanguage_v1beta_permission_proto_msgTypes,
 }.Build()
 File_google_ai_generativelanguage_v1beta_permission_proto = out.File
 file_google_ai_generativelanguage_v1beta_permission_proto_rawDesc = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_goTypes = nil
 file_google_ai_generativelanguage_v1beta_permission_proto_depIdxs = nil
}

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package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
 "google.golang.org/api/iterator"
)
```

```
func ExampleNewLicensesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will
 require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicensesClient_Delete() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.DeleteLicenseRequest{
  //
 TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
 }
 op, err := c.Delete(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}
```

```
func ExampleLicensesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
 }
 resp,
 err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetIamPolicyLicenseRequest.
 }
 resp, err := c.GetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
```

```
 _ = resp
}

func ExampleLicensesClient_Insert()
 {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.InsertLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
 }
 op, err := c.Insert(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }

 err = op.Wait(ctx)
 if err != nil {
  // TODO: Handle error.
 }
}

func ExampleLicensesClient_List() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template
 only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.ListLicensesRequest{
  // TODO: Fill request struct fields.
```

```
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
 }
 it := c.List(ctx, req)
 for {
  resp, err := it.Next()
  if err == iterator.Done {
   break
  }
  if err != nil {
   // TODO: Handle error.
  }
  // TODO: Use resp.
  _ = resp

  // If you need to access the underlying RPC response,
  // you can do so by casting the `Response` as below.
  // Otherwise, remove this line. Only populated after
  // first call to Next(). Not safe for concurrent access.
  _ = it.Response.(*computepb.LicensesListResponse)
 }
}

func
 ExampleLicensesClient_SetIamPolicy() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.SetIamPolicyLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
 }
 resp, err := c.SetIamPolicy(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
```

```
func ExampleLicensesClient_TestIamPermissions() {
 ctx := context.Background()
 // This snippet has been automatically
 generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicensesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.TestIamPermissionsLicenseRequest{
  // TODO: Fill request struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
 }
 resp, err := c.TestIamPermissions(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}
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package compute_test

import (
 "context"

 compute "cloud.google.com/go/compute/apiv1"
 computepb "cloud.google.com/go/compute/apiv1/computepb"
```

```
)

func ExampleNewLicenseCodesRESTClient() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 //
 - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 // TODO: Use client.
 _ = c
}

func ExampleLicenseCodesClient_Get() {
 ctx := context.Background()
 // This snippet has been automatically generated and should be regarded as a code template only.
 // It will require modifications to work:
 // - It may require correct/in-range values for request initialization.
 // - It may require specifying regional endpoints when creating the service client as shown in:
 //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
 c, err := compute.NewLicenseCodesRESTClient(ctx)
 if err != nil {
  // TODO: Handle error.
 }
 defer c.Close()

 req := &computepb.GetLicenseCodeRequest{
  // TODO: Fill request
 struct fields.
  // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
 }
 resp, err := c.Get(ctx, req)
 if err != nil {
  // TODO: Handle error.
 }
 // TODO: Use resp.
 _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
 ctx := context.Background()
```

```
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicenseCodesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
}
defer c.Close()

req := &computepb.TestIamPermissionsLicenseCodeRequest{
 // TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
}
resp,
err := c.TestIamPermissions(ctx, req)
if err != nil {
 // TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}
```

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package compute

import (
 "bytes"
 "context"
 "fmt"
 "io"
 "math"
 "net/http"
 "net/url"
 "time"

```
 computepb "cloud.google.com/go/compute/apiv1/computepb"
 gax "github.com/googleapis/gax-go/v2"
 "google.golang.org/api/googleapi"
 "google.golang.org/api/iterator"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
 httptransport
 "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
 "google.golang.org/protobuf/encoding/protojson"
 "google.golang.org/protobuf/proto"
)

var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
 Delete            []gax.CallOption
 Get               []gax.CallOption
 GetIamPolicy      []gax.CallOption
 Insert            []gax.CallOption
 List              []gax.CallOption
 SetIamPolicy      []gax.CallOption
 TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
 return &LicensesCallOptions{
  Delete: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  Get: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  GetIamPolicy:
 []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
```

```
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  Insert: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  List: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
   gax.WithRetry(func() gax.Retryer {
    return gax.OnHTTPCodes(gax.Backoff{
     Initial:    100 * time.Millisecond,
     Max:        60000 * time.Millisecond,
     Multiplier: 1.30,
    },
     http.StatusGatewayTimeout,
     http.StatusServiceUnavailable)
   }),
  },
  SetIamPolicy: []gax.CallOption{
   gax.WithTimeout(600000 * time.Millisecond),
  },
  TestIamPermissions: []gax.CallOption{
   gax.WithTimeout(600000
 * time.Millisecond),
  },
 }
}

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
 Close() error
 setGoogleClientInfo(...string)
 Connection() *grpc.ClientConn
 Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
 Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
 GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
 List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
 SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
 TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
```

```
(*computepb.TestPermissionsResponse,
 error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
 // The internal transport-dependent client.
 internalClient internalLicensesClient

 // The call options for this service.
 CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
 return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
 c.internalClient.setGoogleClientInfo(keyval...)
}

//
 Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
 return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
 return c.internalClient.Delete(ctx, req, opts...)
}
```

```
// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption) (*computepb.License, error) {
 return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy
 for a resource. May be empty if no such policy or resource exists. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
 return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
 list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
 return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
 return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is intended for use
 only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req *computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse, error) {
 return c.internalClient.TestIamPermissions(ctx, req, opts...)
}
```

```
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
 // The http endpoint to connect to.
 endpoint string

 // The http client.
 httpClient *http.Client

 // operationClient is used to call the operation-specific management service.
 operationClient *GlobalOperationsClient

 // The x-goog-* headers to be sent with each request.
 xGoogHeaders []string

 // Points back to the CallOptions field of the containing LicensesClient
 CallOptions **LicensesCallOptions
}

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx
 context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
 clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
 httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
 if err != nil {
  return nil, err
 }

 callOpts := defaultLicensesRESTCallOptions()
 c := &licensesRESTClient{
  endpoint:    endpoint,
  httpClient:  httpClient,
  CallOptions: &callOpts,
 }
 c.setGoogleClientInfo()

 o := []option.ClientOption{
  option.WithHTTPClient(httpClient),
  option.WithEndpoint(endpoint),
 }
 opC, err := NewGlobalOperationsRESTClient(ctx, o...)
 if err != nil {
  return nil, err
 }
 c.operationClient = opC
```

```
 return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
 return []option.ClientOption{
  internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
  internaloption.WithDefaultEndpointTemplate("https://compute.UNIVERSE_DOMAIN"),
  internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
  internaloption.WithDefaultUniverseDomain("googleapis.com"),
  internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
  internaloption.WithDefaultScopes(DefaultAuthScopes()...),
 }
}

//
 setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
 kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
 kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
 c.xGoogHeaders = []string{
  "x-goog-api-client", gax.XGoogHeader(kv...),
 }
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
 // Replace httpClient with nil to force cleanup.
 c.httpClient = nil
 if err := c.operationClient.Close();
 err != nil {
  return err
 }
 return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
 return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
```

```
...gax.CallOption) (*Operation, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v",
 "project", url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if
```

```
 err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense()))}

 hds
 = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.License{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
```

```
 httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return
err
 }

 return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

 params := url.Values{}
 if req != nil && req.OptionsRequestedPolicyVersion != nil {
```

```
 params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params",
 fmt.Sprintf("%s=%v&%s=%v", "project", url.QueryEscape(req.GetProject()), "resource",
url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return
 err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }
```

```
 return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetLicenseResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.RequestId != nil {
  params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
 }

 baseUrl.RawQuery
 = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v", "project", url.QueryEscape(req.GetProject()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Operation{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
```

```
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers

 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()

 if
err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }

 buf, err := io.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }

 if err := unm.Unmarshal(buf, resp); err != nil {
  return err
 }

 return nil
}, opts...)
if e != nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
  c:       c.operationClient,
  proto:   resp,
  project: req.GetProject(),
 },
}
return op, nil
}
```

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

func (c *licensesRESTClient) List(ctx context.Context, req

```
*computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
it := &LicenseIterator{}
req = proto.Clone(req).(*computepb.ListLicensesRequest)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
 resp := &computepb.LicensesListResponse{}
 if pageToken != "" {
  req.PageToken = proto.String(pageToken)
 }
 if pageSize > math.MaxInt32 {
  req.MaxResults = proto.Uint32(math.MaxInt32)
 } else if pageSize != 0 {
  req.MaxResults = proto.Uint32(uint32(pageSize))
 }
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, "", err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

 params := url.Values{}
 if req != nil && req.Filter != nil {
  params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
 }
 if req != nil && req.MaxResults != nil {
  params.Add("maxResults", fmt.Sprintf("%v",
req.GetMaxResults()))
 }
 if req != nil && req.OrderBy != nil {
  params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
 }
 if req != nil && req.PageToken != nil {
  params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
 }
 if req != nil && req.ReturnPartialSuccess != nil {
  params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
 }

 baseUrl.RawQuery = params.Encode()

 // Build HTTP headers from client and context metadata.
 hds := append(c.xGoogHeaders, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
```

```
  if err != nil {
   return err
  }
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if
err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, "", e
 }
 it.Response = resp
 return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
 items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
 if err != nil {
  return "", err
 }
 it.items = append(it.items, items...)
 return nextPageToken, nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()

return it
```

```
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating
 Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetGlobalSetPolicyRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
 headers := gax.BuildHeaders(ctx, hds...)
 opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
 opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.Policy{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
```

```
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return nil, e
 }
 return resp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource
 is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
 m := protojson.MarshalOptions{AllowPartial: true}
 body := req.GetTestPermissionsRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 }

 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
  return nil, err
 }
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

 // Build HTTP headers from client and context metadata.
 hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

 hds = append(c.xGoogHeaders, hds...)
 hds = append(hds, "Content-Type", "application/json")
```

```
 headers := gax.BuildHeaders(ctx,
 hds...)
 opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{}
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path != "" {
   baseUrl.Path = settings.Path
  }
  httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
  if err != nil {
   return err
  }
  httpReq = httpReq.WithContext(ctx)
  httpReq.Header = headers

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
   return err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
   return err
  }

  buf, err := io.ReadAll(httpRsp.Body)
  if err != nil {
   return err
  }

  if err := unm.Unmarshal(buf, resp); err != nil {
   return err
  }

  return nil
 }, opts...)
 if e != nil {
  return
 nil, e
 }
 return resp, nil
}
```

1.8687 opentelemetry-collector-pdata 1.0.0-rcv0016

1.8687.1 Available under license :

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
 * javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
artifacts may be included in the distribution or downloaded when ALPN
module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
are hosted at github and both modified and original are under GPL v2 with
classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

The following artifacts are licensed by the OW2 Foundation according to the
terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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```

Found in path(s):
* /opt/cola/permits/2453876403_1747203426.0074425/0/micrometer-commons-1-13-13-sources-jar/io/micrometer/common/docs/KeyName.java
* /opt/cola/permits/2453876403_1747203426.0074425/0/micrometer-commons-1-13-13-sources-jar/io/micrometer/common/lang/package-info.java
* /opt/cola/permits/2453876403_1747203426.0074425/0/micrometer-commons-1-13-13-sources-jar/io/micrometer/common/docs/package-info.java
*
/opt/cola/permits/2453876403_1747203426.0074425/0/micrometer-commons-1-13-13-sources-jar/io/micrometer/common/util/package-info.java
* /opt/cola/permits/2453876403_1747203426.0074425/0/micrometer-commons-1-13-13-sources-jar/io/micrometer/common/package-info.java
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Found in path(s):
* /opt/cola/permits/2453876403_1747203426.0074425/0/micrometer-commons-1-13-13-sources-jar/io/micrometer/common/annotation/ValueExpressionResolver.java
* /opt/cola/permits/2453876403_1747203426.0074425/0/micrometer-commons-1-13-13-sources-jar/io/micrometer/common/annotation/NoOpValueResolver.java
* /opt/cola/permits/2453876403_1747203426.0074425/0/micrometer-commons-1-13-13-sources-jar/io/micrometer/common/annotation/ValueResolver.java

1.8694 micrometer-registry-prometheus 1.13.13

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Found in path(s):
* /opt/cola/permits/2453876396_1747203480.2049387/0/micrometer-registry-prometheus-1-13-13-sources-jar/io/micrometer/prometheusmetrics/PrometheusCounter.java
* /opt/cola/permits/2453876396_1747203480.2049387/0/micrometer-registry-prometheus-1-13-13-sources-jar/io/micrometer/prometheusmetrics/PrometheusConfig.java
* /opt/cola/permits/2453876396_1747203480.2049387/0/micrometer-registry-prometheus-1-13-13-sources-jar/io/micrometer/prometheusmetrics/PrometheusTimer.java
* /opt/cola/permits/2453876396_1747203480.2049387/0/micrometer-registry-prometheus-1-13-13-sources-jar/io/micrometer/prometheusmetrics/PrometheusDurationNamingConvention.java
* /opt/cola/permits/2453876396_1747203480.2049387/0/micrometer-registry-prometheus-1-13-13-sources-jar/io/micrometer/prometheusmetrics/PrometheusMeterRegistry.java
* /opt/cola/permits/2453876396_1747203480.2049387/0/micrometer-registry-prometheus-1-13-13-sources-

jar/io/micrometer/prometheusmetrics/PrometheusNamingConvention.java
* /opt/cola/permits/2453876396_1747203480.2049387/0/micrometer-registry-prometheus-1-13-13-sources-jar/io/micrometer/prometheusmetrics/PrometheusDistributionSummary.java
* /opt/cola/permits/2453876396_1747203480.2049387/0/micrometer-registry-prometheus-1-13-13-sources-jar/io/micrometer/prometheusmetrics/MicrometerCollector.java
* /opt/cola/permits/2453876396_1747203480.2049387/0/micrometer-registry-prometheus-1-13-13-sources-jar/io/micrometer/prometheusmetrics/PrometheusRenameFilter.java
*
/opt/cola/permits/2453876396_1747203480.2049387/0/micrometer-registry-prometheus-1-13-13-sources-jar/io/micrometer/prometheusmetrics/package-info.java
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Found in path(s):
* /opt/cola/permits/2453876396_1747203480.2049387/0/micrometer-registry-prometheus-1-13-13-sources-jar/io/micrometer/prometheusmetrics/ExemplarSamplerFactory.java
* /opt/cola/permits/2453876396_1747203480.2049387/0/micrometer-registry-prometheus-1-13-13-sources-jar/io/micrometer/prometheusmetrics/DefaultExemplarSamplerFactory.java
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```

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Found in path(s):
* /opt/cola/permits/2453876396_1747203480.2049387/0/micrometer-registry-prometheus-1-13-13-sources-jar/io/micrometer/prometheusmetrics/PrometheusHistogram.java

1.8695 projectcalico-api v0.0.0-20220722155641-439a754a988b

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1.8696 aws-sdk-go-v2 v1.30.1

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```
name: License Scan

on: [pull_request]

jobs:
 licensescan:
   name: License Scan
   runs-on: ubuntu-latest
   strategy:
     matrix:
       python-version: [3.9]

   steps:
     - name: Checkout target
       uses: actions/checkout@v2
       with:
         path: sdkbase
         ref: ${{ github.base_ref }}
     - name: Checkout this ref
       uses: actions/checkout@v2
       with:
         path: new-ref
         fetch-depth: 0
     - name: Get Diff
       run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
     - name: Get Target Files
       run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
     - name: Checkout scancode
       uses: actions/checkout@v2
       with:
         repository: nexB/scancode-toolkit
         path: scancode-toolkit
         fetch-depth: 1
     - name: Set up Python ${{ matrix.python-version }}
       uses: actions/setup-python@v2
       with:
         python-version: ${{ matrix.python-version }}
     # ScanCode
```

```
    - name: Self-configure scancode
      working-directory: ./scancode-toolkit
      run: ./scancode --help
    - name: Run Scan code on target
      run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
    - name: Run Scan code on pr ref
      run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
    # compare
    - name: License test
      run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
CreateLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
```

RequestResponseLogger
ListReceivedLicenses
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "shapes": {
      "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
          "type": "integer"
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
          "type": "long"
      },
      "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
          "type": "structure",
          "members": {
```

"Name": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of name to filter by. "
}
},
"Values": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " One or more values for the name to filter by. "
}
},
"Operator": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
"traits": {
"smithy.api#documentation": " An operator for filtering results. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria. "
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
},
"output": {

"target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"

```
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the Linux subscriptions service settings.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/subscription/GetServiceSettings"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest":
{
        "type": "structure",
        "members": {}
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
            "LinuxSubscriptionsDiscovery": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
                "traits": {
                    "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
                }
            },
            "LinuxSubscriptionsDiscoverySettings": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
                "traits": {
                    "smithy.api#documentation": "<p>Lists the settings defined for Linux subscriptions discovery. The
settings include if\n      Organizations integration has been enabled, and
 which Regions data will be aggregated from.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
                "traits": {
                    "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
                }
            },
```

"HomeRegions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
"traits": {
"smithy.api#documentation": " The Region in which License Manager displays the aggregated data for Linux\n subscriptions. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
"type": "structure",
"members": {
"AmiId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The AMI ID used to launch the instance. "
}
},
"InstanceID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The instance ID of the resource. "
}
},
"InstanceType": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The instance type of the resource. "
}

},
"AccountID": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The account ID which owns the instance. "
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of the instance. "
}
},
"Region": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The Region the instance is running in. "
}

```
            },
            "UsageOperation": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The usage operation of the instance. For more information, see For
 more information, see\n        <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-
subscriptions-usage-operation.html\">Usage\n        operation values</a> in the <i>License Manager User
Guide</i>.</p>"
                }
            },
            "ProductCode": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
                "traits": {
                    "smithy.api#documentation": "<p>The product code for the instance. For more information, see <a
href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-subscriptions-usage-
operation.html\">Usage\n        operation values</a> in the <i>License Manager User Guide</i> .</p>"
                }
            },
            "LastUpdatedTime": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The time in which the last discovery
 updated the instance details.</p>"
                }
            },
            "SubscriptionName": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the subscription being used by the instance.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details discovered information about a running instance using Linux
subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
```

```
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
        "smithy.api#error": "server"
    }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
    "type": "service",
    "version": "2018-05-10",
    "operations": [
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
        },
        {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
        }
    ],

"traits": {
        "aws.api#service": {
            "sdkId": "License Manager Linux Subscriptions",
            "arnNamespace": "license-manager-linux-subscriptions",
            "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
        },
        "aws.auth#sigv4": {
            "name": "license-manager-linux-subscriptions"
        },
        "aws.protocols#restJson1": {},
        "smithy.api#cors": {
            "additionalAllowedHeaders": [
                "*",
                "content-type",
                "x-amz-content-sha256",
                "x-amz-user-agent",
                "x-amzn-platform-id",
                "x-amzn-trace-id",
                "content-length",
                "x-api-key",
                "authorization",
                "x-amz-date",
```

"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"
]
},
"smithy.api#documentation": " With License Manager, you can discover and track your commercial Linux subscriptions on running\n Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"
}
},

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"rules": [
  {
    "conditions": [
      {
        "fn": "isSet",
        "argv": [
          {
            "ref": "Endpoint"
          }
        ]
      }
    ],
    "type": "tree",
    "rules": [
      {

       "conditions": [
          {
            "fn": "booleanEquals",
            "argv": [
              {
                "ref": "UseFIPS"
              },
              true
            ]
          }
        ],
        "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
        "type": "error"
      },
      {
        "conditions": [],
        "type": "tree",
        "rules": [
          {

         "conditions": [
              {
                "fn": "booleanEquals",
                "argv": [
                  {
                    "ref": "UseDualStack"
                  },
                  true
                ]
              }
            ],
            "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
```

"type": "error"
},
{
"conditions": [],

"endpoint": {
"url": {
"ref": "Endpoint"
},
"properties": {},
"headers": {}
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"type": "endpoint"
}
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]
},
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"conditions": [],
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"rules": [
{
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{
"fn": "isSet",

"argv": [
{
"ref": "Region"
}
]
}
],
"type": "tree",
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{
"conditions": [
{
"fn": "aws.partition",
"argv": [
{
"ref": "Region"
}
],

"assign": "PartitionResult"
}

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                    ],
                    "type": "tree",
                    "rules": [
                      {
                        "conditions": [
                          {
                            "fn": "booleanEquals",
                            "argv": [
                              {
                                "ref": "UseFIPS"
                              },
                              true
                            ]
                          },

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                            "argv": [
                              {
                                "ref": "UseDualStack"
                              },
                              true
                            ]
                          }
                        ],
                        "type": "tree",
                        "rules": [
                          {
                            "conditions": [
                              {

                            "fn": "booleanEquals",
                                "argv": [
                                  true,
                                  {
                                    "fn": "getAttr",
                                    "argv": [
                                      {
                                        "ref": "PartitionResult"
                                      },
                                      "supportsFIPS"
                                    ]

}
                                ]
                              },
                              {
                                "fn": "booleanEquals",
```

```
                    "argv": [
                        true,
                        {
                            "fn": "getAttr",
                            "argv": [
                                {
                                    "ref": "PartitionResult"
                                },

                    "supportsDualStack"
                            ]
                        }
                    ]
                }
            ],
            "type": "tree",
            "rules": [
                {
                    "conditions": [],
                    "type": "tree",
                    "rules": [
                        {

        "conditions": [],
                            "endpoint": {
                                "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                "properties": {},
                                "headers": {}
                            },
                            "type": "endpoint"
                        }
                    ]
                }
            ]

        },
            {
                "conditions": [],
                "error": "FIPS and DualStack are enabled, but this partition does not support
one or both",
                "type": "error"
            }
        ]
    },
    {
        "conditions": [
            {
```

"fn": "booleanEquals",
"argv": [
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"ref": "UseFIPS"
},
true
]
}
],
"type": "tree",
"rules": [
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
true,

{
"fn": "getAttr",
"argv": [
{
"ref": "PartitionResult"
},
"supportsFIPS"
]
}
]
}
],
"type": "tree",

"rules": [
{
"conditions": [],
"type": "tree",
"rules": [
{
"conditions": [],
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.{Region}.{PartitionResult#dnsSuffix}",
"properties": {},
"headers": {}

},
"type": "endpoint"

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                    }
                ]
            }
        ]
    },
    {
        "conditions": [],
        "error": "FIPS is enabled but this partition does not support FIPS",
        "type": "error"
    }
]

},
{
    "conditions": [
        {
            "fn": "booleanEquals",
            "argv": [
                {
                    "ref": "UseDualStack"
                },
                true
            ]
        }
    ],
    "type": "tree",
    "rules": [
        {

     "conditions": [
                {
                    "fn": "booleanEquals",
                    "argv": [
                        true,
                        {
                            "fn": "getAttr",
                            "argv": [
                                {
                                    "ref": "PartitionResult"
                                },
                                "supportsDualStack"
                            ]
                        }
                    ]
                }
            ],
            "type": "tree",
            "rules": [
```

```
                                    {
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                                      "type": "tree",
                                      "rules": [
                                        {
                                          "conditions": [],

                                     "endpoint": {
                                            "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                            "properties": {},
                                            "headers": {}
                                          },
                                          "type": "endpoint"
                                        }
                                      ]
                                    }
                                  ]
                                },

        {
                                  "conditions": [],
                                  "error": "DualStack is enabled but this partition does not support DualStack",
                                  "type": "error"
                                }
                              ]
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                              "conditions": [],
                              "type": "tree",
                              "rules": [
                                {
                                  "conditions": [],
                                  "endpoint": {
                                    "url":
 "https://license-manager-linux-subscriptions.{Region}.{PartitionResult#dnsSuffix}",
                                    "properties": {},
                                    "headers": {}
                                  },
                                  "type": "endpoint"
                                }
                              ]
                            }
                          ]
                        }
                      ]
                    },
                    {
```

"conditions": [],
"error": "Invalid Configuration: Missing Region",
"type": "error"
}
]
}
]
},
"smithy.rules#endpointTests": {
"testCases": [
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
"expect": {

"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,

"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {

"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"

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            }
        },
        "params": {
            "Region": "cn-north-1",
            "UseFIPS": false,
            "UseDualStack": true
        }
    },
    {
        "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint":
{
                "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
            }
        },
        "params": {
            "Region": "cn-north-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
            }
        },
        "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": true,
             "UseDualStack": true
        }
    },
    {
        "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
    },
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{
              "url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
            }
          },
          "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": false,
            "UseDualStack": true
          }
        },
        {
          "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
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            "endpoint": {
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            }
          },
          "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": false,
             "UseDualStack": false
          }
        },
        {
          "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
          "expect": {
            "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
          },
          "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": true,
            "UseDualStack": true
          }
        },
        {
          "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
          "expect": {
            "endpoint": {
              "url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
             }
          },
          "params": {
            "Region": "us-iso-east-1",
            "UseFIPS": true,
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"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {

"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {

"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled
and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",

"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",

```
  "expect": {
                "endpoint": {
                  "url": "https://example.com"
                }
            },
            "params": {
                "UseFIPS": false,
                "UseDualStack": false,
                "Endpoint": "https://example.com"
            }
        },
        {
            "documentation": "For custom endpoint with fips enabled and dualstack disabled",
            "expect": {
                "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": true,
                "UseDualStack": false,

   "Endpoint": "https://example.com"
            }
        },
        {
            "documentation": "For custom endpoint with fips disabled and dualstack enabled",
            "expect": {
                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
            },
            "params": {
                "Region": "us-east-1",
                "UseFIPS": false,
                "UseDualStack": true,
                "Endpoint": "https://example.com"
            }
        },
        {
            "documentation": "Missing region",
            "expect": {
                "error": "Invalid Configuration: Missing Region"
            }

 }
      ],
      "version": "1.0"
   }
}
```

```
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
      "type": "string",
      "traits": {
        "smithy.api#enum": [
          {
            "name": "Enabled",
            "value": "Enabled",
            "documentation": "Enabled LinuxSubscriptionsDiscovery"
          },
          {
            "name": "Disabled",
            "value": "Disabled",
            "documentation": "Disabled LinuxSubscriptionsDiscovery"
          }
        ]
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
      "type": "structure",
      "members": {
        "SourceRegions": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
           "traits": {
            "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
            "smithy.api#required": {}
          }
        },
        "OrganizationIntegration": {
          "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
          "traits": {
            "smithy.api#documentation": "<p>Details if you have enabled resource discovery across your
accounts in Organizations.</p>",
            "smithy.api#required": {}
          }
        }
      },
      "traits": {
        "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
      }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
      "type":
 "operation",
      "input": {
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
      },
```

"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions. ",
"smithy.api#http": {

"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptionInstances"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Instances"
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>AmiID</code> with an optional operator to see subscriptions that match, partially\n match, or don't match a certain Amazon Machine Image (AMI) ID. \n The valid names for this filter are: \n \n \n \n <code>AmiID</code>\n \n \n \n \n <code>InstanceID</code>\n \n \n \n \n <code>AccountID</code>\n \n \n \n \n <code>Status</code>\n \n \n \n \n <code>Region</code>\n \n \n \n \n <code>UsageOperation</code>\n \n \n \n

```
<p>\n <code>ProductCode</code>\n </p>\n </li>\n <li>\n <p>\n
<code>InstanceType</code>\n </p>\n </li>\n </ul>\n <p>The valid Operators for this
filter are:</p>\n <ul>\n <li>\n <p>\n <code>contains</code>\n </p>\n
</li>\n <li>\n <p>\n <code>equals</code>\n </p>\n </li>\n <li>\n
<p>\n <code>Notequal</code>\n </p>\n </li>\n </ul>"
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"

}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": "<p>Token for the next set of results.</p>",
"smithy.api#length": {
"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
"type": "structure",
"members": {
"Instances": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
"traits": {
"smithy.api#documentation":
"<p>An array that contains instance objects.</p>"
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": "<p>Token for the next set of results.</p>"
}
}
}
},
```

"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/ListLinuxSubscriptions"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
"inputToken": "NextToken",
"outputToken": "NextToken",
"pageSize": "MaxResults",
"items": "Subscriptions"
}

}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
"type": "structure",
"members": {
"Filters": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't match a certain subscription's name. \n The valid names for this filter are: \n \n

```
<li>\n <p>\n <code>Subscription</code>\n </p>\n </li>\n </ul>\n
<p>The valid Operators for this filter are:</p>\n
<ul>\n <li>\n <p>\n <code>contains</code>\n </p>\n </li>\n
<li>\n <p>\n <code>equals</code>\n </p>\n </li>\n <li>\n <p>\n
<code>Notequal</code>\n </p>\n </li>\n </ul>"
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": "<p>Token for the next set of results.</p>",
"smithy.api#length": {

"min": 1,
"max": 16384
}
}
}
},
"traits": {
"smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
"type": "structure",
"members": {
"Subscriptions": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
"traits": {
"smithy.api#documentation": "<p>An array that contains subscription objects.</p>"
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": "<p>Token for
the next set of results.</p>"
}
}
}
},
```

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    "com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "EQUAL",
                    "value": "Equal",
                    "documentation": "Equal operator"
                },
                {
                    "name": "NOT_EQUAL",
                    "value": "NotEqual",
                    "documentation": "Not equal operator"
                },
                {
                    "name": "CONTAINS",
                    "value": "Contains",
                    "documentation": "Contains operator"
                }
            ],
            "smithy.api#length": {
                "min": 1,
                "max": 20
            }
        }
    },

"com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [
                {
                    "name": "Enabled",
                    "value": "Enabled",
                    "documentation": "Enabled OrganizationIntegration"
                },
                {
                    "name": "Disabled",
                    "value": "Disabled",
                    "documentation": "Disabled OrganizationIntegration"
                }
            ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
        "type": "list",
        "member": {
            "target": "smithy.api#String"
```

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
        "type": "string",
        "traits": {
            "smithy.api#enum": [

    {
                "name": "InProgress",
                "value": "InProgress",
                "documentation": "InProgress status"
            },
            {
                "name": "Completed",
                "value": "Completed",
                "documentation": "Completed status"
            },
            {
                "name": "Successful",
                "value": "Successful",
                "documentation": "Successful status"
            },
            {
                "name": "Failed",
                "value": "Failed",
                "documentation": "Failed status"
            }
        ]
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
        "type": "list",
        "member": {
            "target": "smithy.api#String",
            "traits":
{
                "smithy.api#length": {
                    "min": 1,
                    "max": 100
                }
            }
        },
        "traits": {
            "smithy.api#length": {
                "min": 1,
                "max": 100
            },
            "smithy.api#uniqueItems": {}
```

```
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
        "type": "map",
        "key": {
            "target": "smithy.api#String"
        },
        "value": {
            "target": "smithy.api#String"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the subscription.</p>"

        }
            },
            "Type": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included
with Amazon EC2, Bring Your Own\n      Subscription model (BYOS), or from the Amazon Web Services
Marketplace. Certain subscriptions may use licensing from the\n      Amazon Web Services Marketplace as well as
OS licensing from Amazon EC2 or BYOS.</p>"
                }
            },
            "InstanceCount": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
                "traits": {
                    "smithy.api#documentation": "<p>The total amount of running instances using this subscription.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>An object which details a discovered Linux
subscription.</p>"
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
        }
    },
```

"com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request was denied due to request throttling. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
},

"output": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates the service settings for Linux subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/subscription/UpdateServiceSettings"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest":
{
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",

"traits": {
"smithy.api#documentation": " Describes if the discovery of Linux subscriptions is enabled. ",
"smithy.api#required": {}
}
},
"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. ",

"smithy.api#required": {}
}
},
"AllowUpdate": {
"target": "smithy.api#Boolean",
"traits": {
"smithy.api#documentation": " Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region. "
}
}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
"type": "structure",
"members": {
"LinuxSubscriptionsDiscovery": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
"traits": {
"smithy.api#documentation": " Lists if discovery has been enabled for Linux subscriptions. "
}
},

"LinuxSubscriptionsDiscoverySettings": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
"traits": {
"smithy.api#documentation": " The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from. "
}
},
"Status": {
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
"traits": {
"smithy.api#documentation": " Indicates the status of Linux subscriptions settings being applied. "

```
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
                "traits": {
                    "smithy.api#documentation":
 "<p>A message which details the Linux subscriptions service settings current status.</p>"
                }
            },
            "HomeRegions": {
                "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n      subscriptions.</p>"
                }
            }
        }
    },
    "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
        "type": "structure",
        "members": {
            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
            "smithy.api#error": "client"
        }
    }
  }
}
```


```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
```

```
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
  params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
```

```
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
  return err
```

```
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
```

```
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack,
 options); err != nil {
  return err
 }
 if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
```

```
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
  params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
```

```
 Entitlements []types.Entitlement

 // Home Region for the license.
 //
 // This member is required.
 HomeRegion *string

 // License issuer.
 //
 // This member is required.
 Issuer *types.Issuer

 // License name.
 //
 // This member is required.
 LicenseName *string

 // Product name.
 //
 // This member is required.
 ProductName *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // Date and time range during which the license is valid, in ISO8601-UTC format.
 //
 // This member is required.
 Validity *types.DatetimeRange

 // Information about
 the license.
 LicenseMetadata []types.Metadata

 noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
```

```
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if
 err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
```

```
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return
 err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}
```

```
func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName:
 "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
  params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
```

```
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
 err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
```

```
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil
{
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
```

```
 return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata
 {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DisassociateLicense",
 }
}
CheckoutLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
```

Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
DisassociateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger

CheckoutBorrowLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AssociateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID

```
  ComputeContentLength
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
  params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
  return nil, err
```

```
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - ProductSKU
 //
 //   - Status
 //
 //
   - Fingerprint
 //
 //   - IssuerName
 //
 //   - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}
```

```
func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
```

```
 }
 if err
 = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "ListReceivedLicenses",
 }
}
```

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
  params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
```

```
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err
 != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
```

```
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpGetLicenseValidationMiddleware(stack);
 err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}
```

```
func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:        region,
  ServiceID:     ServiceID,
  OperationName: "GetLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
  params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
```

```
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
 struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
```

```
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack,
```

```
 options); err != nil {
  return err
 }
 if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "AssociateLicense",
 }
}
ListLicenses
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
 Build stack step
  ClientRequestID
  ComputeContentLength
```

```
  UserAgent
  AddTimeOffsetMiddleware
  RecursionDetection
 Finalize stack step
  ResolveAuthScheme
  GetIdentity
  ResolveEndpointV2
  disableHTTPS
  ComputePayloadHash
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
AWS SDK for Go
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// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
  params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
```

```
 if err != nil {
  return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
```

```
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err !=
nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil
```

```
 {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "DeleteLicense",
 }
}
DeleteLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
 Serialize stack step
  setOperationInput
  ResolveEndpoint
  OperationSerializer
```

Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
GetLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash

```
  Retry
  RetryMetricsHeader
  setLegacyContextSigningOptions
  Signing
 Deserialize stack step
  AddRawResponseToMetadata
  ErrorCloseResponseBody
  CloseResponseBody
  ResponseErrorWrapper
  RequestIDRetriever
  OperationDeserializer
  AddTimeOffsetMiddleware
  RecordResponseTiming
  RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
  params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
```

```
//
the request.
//
// This member is required.
ClientToken *string

// Digital signature method. The possible value is JSON Web Signature (JWS)
// algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
//
// [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
//
// This member is required.
DigitalSignatureMethod types.DigitalSignatureMethod

// License entitlements. Partial checkouts are not supported.
//
// This member is required.
Entitlements []types.EntitlementData

// Amazon Resource Name (ARN) of the license. The license must use the borrow
// consumption configuration.
//
// This member is required.
LicenseArn *string

// Information about constraints.
CheckoutMetadata []types.Metadata

// Node ID.
NodeId *string

noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

// Information about constraints.
CheckoutMetadata []types.Metadata

// Allowed license entitlements.
EntitlementsAllowed
[]types.EntitlementData

// Date and time at which the license checkout expires.
Expiration *string

// Date and time at which the license checkout is issued.
IssuedAt *string
```

```
 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
  return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if err = addComputeContentLength(stack); err != nil {
  return err
```

```
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
  return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return
 err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
```

```
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region
 string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
  OperationName: "CheckoutBorrowLicense",
 }
}
```

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SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
  params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
  return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata
```

```
 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
  return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
  return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addlegacyEndpointContextSetter(stack, options); err != nil {
  return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
  return err
 }
 if err = addClientRequestID(stack); err != nil {
  return err
 }
 if
 err = addComputeContentLength(stack); err != nil {
  return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
  return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
  return err
 }
 if err = addRetry(stack, options); err != nil {
  return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
  return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
  return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
```

```
 return err
 }
 if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil
 {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:     ServiceID,
```

OperationName: "CheckInLicense",
}
}

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// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
  params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
  return nil, err
 }
```

```
 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 //   - Beneficiary
 //
 //   - ProductSKU
 //
 //   - Fingerprint
 //
 //   - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
  return err
```

```
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack,
options, "ListLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addlegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack);
```

```
 err != nil {
  return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
  return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
  return err
 }
 if err = addUserAgentRetryMode(stack, options); err != nil {
  return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
  return err
 }
 if err = addRecursionDetection(stack); err != nil {
  return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
  return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
  return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
  return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
  return err
 }
 return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
  Region:       region,
  ServiceID:
     ServiceID,
  OperationName: "ListLicenses",
 }
}
CheckInLicense
 Initialize stack step
  RegisterServiceMetadata
  legacyEndpointContextSetter
  SetLogger
  OperationInputValidation
```

Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger


```
{
  "smithy": "2.0",
  "shapes": {
      "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
          "type": "structure",
          "members": {
              "message": {
                  "target": "smithy.api#String"
              }
          },
          "traits": {
              "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
              "smithy.api#error": "client"
          }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
          "type": "structure",
          "members": {
```

"DirectoryId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The directory ID for an Active Directory identity provider. "
}
}
},
"traits": {
"smithy.api#documentation":
" Details about an Active Directory identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Associates the user to an EC2 instance to utilize user-based subscriptions. \n <note>\n Your estimated bill for charges on the number of users and related costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see <a

href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n
monthly charges in the Amazon Web Services Billing User Guide. \n </note>",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/AssociateUser"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the
EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " The identity provider of the user. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse": {
"type": "structure",
"members": {
"InstanceUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",

```
                "traits": {
                  "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
                  "smithy.api#required": {}
                }
              }
            }
          },
          "com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
            "type": "integer"
          },
          "com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
            "type": "structure",
            "members": {
              "message": {
                "target": "smithy.api#String"
              }
            },
            "traits": {
              "smithy.api#documentation": "<p>The request couldn't be completed because it conflicted with the current
state of the\n      resource.</p>",
              "smithy.api#error": "server"
            }
          },
          "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider":
 {
            "type": "operation",
            "input": {
              "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
            },
            "output": {
              "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
            },
            "errors": [
              {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
              },
              {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
              },
              {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
              },
              {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
              },
              {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deregisters the identity provider from providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/identity-provider/DeregisterIdentityProvider"
            },
            "smithy.api#idempotent": {}
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
        "type": "structure",
        "members": {
            "IdentityProvider": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
                "traits": {
                    "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                    "smithy.api#required": {}
                }
            },
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                    "smithy.api#required": {}
                }
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
        "type": "structure",
        "members": {
            "IdentityProviderSummary": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
                "traits": {
                    "smithy.api#documentation":
"<p>Metadata that describes the results of an identity provider operation.</p>",
                    "smithy.api#required": {}
                }
```

```
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
             },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/DisassociateUser"
            },
            "smithy.api#idempotent": {}
        }

 },
    "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest": {
        "type": "structure",
```

```
        "members": {
          "Username": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
              "smithy.api#required": {}
            }
          },
          "InstanceId": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
              "smithy.api#required": {}
            }
          },
          "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
              "smithy.api#documentation":
 "<p>An object that specifies details for the identity provider.</p>",
              "smithy.api#required": {}
            }
          },
          "Domain": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>The domain name of the user.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
        "type": "structure",
        "members": {
          "InstanceUserSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
            "traits": {
              "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
              "smithy.api#required": {}
            }
          }
        }
      },

 "com.amazonaws.licensemanagerusersubscriptions#Filter": {
        "type": "structure",
        "members": {
```

"Attribute": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of an attribute to use as a filter. "
}
},
"Operation": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The type of search (For example, eq, geq, leq) "
}
},
"Value": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Value of the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used
to return more specific results from a describe\n operation. Filters can be used to match a set of resources by
specific criteria, such as tags,\n attributes, or IDs. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
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"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
"type": "union",
"members": {
"ActiveDirectoryIdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
"traits": {
"smithy.api#documentation": " An object that details an Active Directory identity provider. "
}
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"traits": {
"smithy.api#documentation":
" Details about an identity provider. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
"type": "structure",

"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
"traits": {
"smithy.api#documentation": " An object that details the registered identity providers product related configuration\n settings such as the subnets to provision VPC endpoints. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of an identity provider. ",
"smithy.api#required": {}
}
},
"FailureMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The failure message associated with an identity provider. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an identity provider. "
}
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"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
}

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    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
        "type": "structure",
        "members": {
            "InstanceId": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
                    "smithy.api#required": {}
                }
            },
            "Status": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status
 of an EC2 instance resource.</p>",
                    "smithy.api#required": {}
                }
            },
            "Products": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
                    "smithy.api#required": {}
                }
            },
            "LastStatusCheckDate": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The date of the last status check.</p>"
                }
            },
            "StatusMessage": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
                }

    }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {
        "type": "list",
        "member": {
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"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
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"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"InstanceId": {
"target": "smithy.api#String",
"traits":
{
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Status": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status of a user associated with an EC2 instance. ",
"smithy.api#required": {}
}
},
"StatusMessage": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for users of an EC2 instance. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},

"AssociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was associated with an EC2 instance. "
}
},
"DisassociationDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The date a user was disassociated from an EC2 instance. "
}
}

},
"traits": {
"smithy.api#documentation": " Describes users of an EC2 instance providing user-based subscriptions. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " An exception occurred with the service. ",
"smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
"type": "service",

"version": "2018-05-10",
"operations": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
},

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        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"

},
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
        },
        {
          "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
        }
      ],
      "traits": {
        "aws.api#service": {
          "sdkId": "License Manager User Subscriptions",
          "arnNamespace": "license-manager-user-subscriptions",
          "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
        },
        "aws.auth#sigv4": {
          "name": "license-manager-user-subscriptions"
         },
        "aws.protocols#restJson1": {},
        "smithy.api#cors": {
          "additionalAllowedHeaders": [
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            "content-type",
            "x-amz-content-sha256",
            "x-amz-user-agent",
            "x-amzn-platform-id",
            "x-amzn-trace-id",
            "content-length",
```

"x-api-key",
"authorization",
"x-amz-date",
"x-amz-security-token",
"Access-Control-Allow-Headers",
"Access-Control-Allow-Methods",
"Access-Control-Allow-Origin"
],
"additionalExposedHeaders": [
"x-amzn-errortype",
"x-amzn-requestid",
"x-amzn-trace-id"

]
},
"smithy.api#documentation": " With License Manager, you can create user-based subscriptions to utilize licensed software with\n a per user subscription fee on Amazon EC2 instances. ",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
"version": "1.0",
"parameters": {
"Region": {
"builtIn": "AWS::Region",
"required": false,
"documentation": "The AWS region used to dispatch the request.",
"type": "String"
},
"UseDualStack": {
"builtIn": "AWS::UseDualStack",
"required": true,
"default": false,
"documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
"type": "Boolean"
},
"UseFIPS": {
"builtIn": "AWS::UseFIPS",
"required": true,
"default": false,
"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
"type": "Boolean"
},
"Endpoint": {
"builtIn": "SDK::Endpoint",
"required": false,
"documentation": "Override the endpoint used to send this request",
"type": "String"

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        "rules": [
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                "conditions": [
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                        "argv": [
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                                "ref": "Endpoint"
                            }
                        ]
                    }
                ],
                "type": "tree",
                "rules": [
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                        "conditions": [
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                                "fn": "booleanEquals",
                                "argv": [
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                                        "ref": "UseFIPS"
                                    },

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                        "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
                        "type": "error"
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                        "conditions": [
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                                "fn": "booleanEquals",
                                "argv": [
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                                        "ref": "UseDualStack"
                                    },
                                    true
                                ]
                            }
                        ],

        "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                        "type": "error"
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            },
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                "url": {
                  "ref": "Endpoint"
                },
                "properties": {},
                "headers": {}
              },
              "type": "endpoint"
            }
          ]
        },
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              "fn": "isSet",
              "argv": [

    {
                  "ref": "Region"
                }
              ]
            }
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          "rules": [
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                  "argv": [
                    {
                      "ref": "Region"
                    }
                  ],
                  "assign": "PartitionResult"
                }
              ],
              "type": "tree",

  "rules": [
                {
                  "conditions": [
                    {
                      "fn": "booleanEquals",
                      "argv": [
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                    {
                        "ref": "UseFIPS"
                    },
                    true
                ]
            },
            {
                "fn": "booleanEquals",
                "argv": [
                    {
                        "ref": "UseDualStack"

                    },
                    true
                ]
            }
        ],
        "type": "tree",
        "rules": [
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                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
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                                "fn": "getAttr",

"argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsFIPS"
                                ]
                            }
                        ]
                    },
                    {
                        "fn": "booleanEquals",
                        "argv": [
                            true,
                            {

"fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
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"supportsDualStack"
]
}
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}
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"type": "tree",
"rules": [
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"properties": {},
"headers": {}
},
"type": "endpoint"
}
]
},
{
"conditions": [],
"error": "FIPS and DualStack are enabled, but this partition does not support one or both",
"type": "error"
}
]
},
{
"conditions": [
{
"fn": "booleanEquals",
"argv": [
{
"ref": "UseFIPS"
},
true
]
}
],
"type": "tree",

"rules": [
{
"conditions": [
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"fn": "booleanEquals",

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                "argv": [
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                  {
                    "fn": "getAttr",
                    "argv": [
                      {
                        "ref": "PartitionResult"
                      },
                      "supportsFIPS"

                ]
                  }
                ]
              }
            ],
            "type": "tree",
            "rules": [
              {
                "conditions": [],
                "endpoint": {
                  "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
                  "properties": {},
                  "headers": {}

        },
                "type": "endpoint"
              }
            ]
          },
          {
            "conditions": [],
            "error": "FIPS is enabled but this partition does not support FIPS",
            "type": "error"
          }
        ]
      },
      {
        "conditions": [
          {
            "fn": "booleanEquals",
            "argv": [
              {
                "ref": "UseDualStack"
              },
              true
            ]
          }
```

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                ],
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                        "conditions": [
                            {
                                "fn": "booleanEquals",
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                                    true,
                                    {

                                  "fn": "getAttr",
                                        "argv": [
                                            {
                                                "ref": "PartitionResult"
                                            },
                                            "supportsDualStack"
                                        ]
                                    }
                                ]
                            }
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                        "type": "tree",
                        "rules": [
                            {

                              "conditions": [],
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                                    "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                    "properties": {},
                                    "headers": {}
                                },
                                "type": "endpoint"
                            }
                        ]
                    },
                    {
                        "conditions": [],
                        "error": "DualStack is enabled but this partition does
 not support DualStack",
                        "type": "error"
                    }
                ]
            },
            {
                "conditions": [],
                "endpoint": {
```

```
                "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
                "properties": {},
                "headers": {}
              },
              "type": "endpoint"
            }
          ]
        }
      ]
    },
    {
      "conditions":
[],
      "error": "Invalid Configuration: Missing Region",
      "type": "error"
    }
  ]
},
"smithy.rules#endpointTests": {
  "testCases": [
    {
      "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
        }
      },
      "params": {
        "Region": "us-east-1",
        "UseFIPS": true,
        "UseDualStack": true
      }
    },
    {
      "documentation":
"For region us-east-1 with FIPS enabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
        }
      },
      "params": {
        "Region": "us-east-1",
        "UseFIPS": true,
        "UseDualStack": false
      }
    },
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{
"documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
}
},

"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with
FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
}

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                },

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                    "UseFIPS": true,
                    "UseDualStack": false
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                "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
                    }
                },
                "params": {
                    "Region": "cn-north-1",
                    "UseFIPS": false,
                    "UseDualStack": true
                }
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            {
                "documentation": "For region cn-north-1
with FIPS disabled and DualStack disabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
                    }
                },
                "params": {
                    "Region": "cn-north-1",
                    "UseFIPS": false,
                    "UseDualStack": false
                }
            },
            {
                "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
                "expect": {
                    "endpoint": {
                        "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
                    }
                },

        "params": {
                    "Region": "us-gov-east-1",
                    "UseFIPS": true,
                    "UseDualStack": true
                }
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            },
            {
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              "expect": {
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                }
              },
              "params": {
                "Region": "us-gov-east-1",
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                "UseDualStack": false
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            },
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with FIPS disabled and DualStack enabled",
              "expect": {
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                }
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                "UseDualStack": true
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              "expect": {
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                  "url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
                }
              },

    "params": {
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                "UseFIPS": false,
                "UseDualStack": false
              }
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              "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
              "expect": {
                "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
              },
              "params": {
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"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
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{
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"expect":
{
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack":
true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
}
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"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but

this partition does not support one or both"
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"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": true,
"UseDualStack": false
}

},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{
"documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
}
},
"params": {
"Region": "us-isob-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{

"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
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{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"

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                }
            },
            {
                "documentation": "Missing region",
                "expect": {
                    "error": "Invalid Configuration: Missing Region"
                }
            }
        ],
        "version": "1.0"
    }
  }
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
  "type": "operation",
  "input": {
    "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
  },
  "output": {
    "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
  },
  "errors": [
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
     },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
    },
    {
      "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
    }
  ],
  "traits": {
    "smithy.api#documentation": "<p>Lists the identity providers for user-based subscriptions.</p>",
    "smithy.api#http": {
      "code": 200,
```

```
            "method": "POST",
            "uri": "/identity-provider/ListIdentityProviders"
          },
          "smithy.api#paginated":
{
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
            "items": "IdentityProviderSummaries"
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
        "type": "structure",
        "members": {
          "MaxResults": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse":
{
        "type": "structure",
        "members": {
          "IdentityProviderSummaries": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
            "traits": {
              "smithy.api#documentation": "<p>Metadata that describes the list identity providers operation.</p>",
              "smithy.api#required": {}
            }
          },
          "NextToken": {
            "target": "smithy.api#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        }
      },
```

```
"com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
        },
        {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
        "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/instance/ListInstances"
        },
        "smithy.api#paginated": {
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
            "items": "InstanceSummaries"
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
    "type": "structure",
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"members": {
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
"type": "structure",
"members": {
"InstanceSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list instances operation. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse"

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        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity
provider.</p>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/ListProductSubscriptions"
            },
            "smithy.api#paginated": {
                "inputToken": "NextToken",
                "outputToken": "NextToken",
                "pageSize": "MaxResults",
                "items": "ProductUserSummaries"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsRequest": {
        "type": "structure",
        "members": {
            "Product": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The name
```

of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {

"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
"type": "structure",
"members": {
"ProductUserSummaries": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
"traits": {
"smithy.api#documentation": " Metadata that describes the list product subscriptions operation. "
}
},

"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "

```
            }
          }
        }
      },
      "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
          },
          {
            "target":
"com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
          },
          {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
          "smithy.api#http": {
            "code": 200,
            "method": "POST",
            "uri": "/user/ListUserAssociations"
          },
          "smithy.api#paginated":
{
            "inputToken": "NextToken",
            "outputToken": "NextToken",
            "pageSize": "MaxResults",
```

"items": "InstanceUserSummaries"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest": {
"type": "structure",
"members": {
"InstanceId": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The ID of the EC2 instance, which provides user-based subscriptions. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
"traits": {
"smithy.api#documentation": " An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. "
}
},
"NextToken": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse": {
"type": "structure",
"members": {

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        "InstanceUserSummaries": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList",
            "traits": {
                "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
            }
        },
        "NextToken": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    }
  },
  "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary": {
    "type": "structure",
    "members": {

    "Username": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
                "smithy.api#required": {}
            }
        },
        "Product": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                "smithy.api#required": {}
            }
        },
        "IdentityProvider": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
            "traits": {
                "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
                "smithy.api#required": {}
            }

  },
        "Status": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The status of a product for a user.</p>",
                "smithy.api#required": {}
            }
        },
        "StatusMessage": {
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"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The status message for a product for a user. "
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
},
"SubscriptionStartDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The
start date of a subscription. "
}
},
"SubscriptionEndDate": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The end date of a subscription. "
}
}
},
"traits": {
"smithy.api#documentation": " The summary of the user-based subscription products for a user. "
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Registers an identity provider for user-based subscriptions. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/RegisterIdentityProvider"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Settings": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Settings",

"traits": {
"smithy.api#documentation": " The registered identity providers product related configuration settings such as the\n subnets to provision VPC endpoints. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
"type": "structure",
"members": {
"IdentityProviderSummary":
{
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the results of an identity provider operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The resource couldn't be found. ",
"smithy.api#error": "client",
"smithy.api#httpError": 404
}
},
"com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
"type": "string",

"traits": {
"smithy.api#length": {
"min": 5,
"max": 200
},
"smithy.api#pattern": "^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException": {
"type": "structure",
"members": {

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            "message": {
                "target": "smithy.api#String"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The request failed because a service quota is exceeded.</p>",
            "smithy.api#error": "client"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#Settings": {
        "type": "structure",
        "members": {
            "Subnets": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
                "traits": {
                    "smithy.api#documentation":
 "<p>The subnets defined for the registered identity provider.</p>",
                    "smithy.api#length": {
                        "min": 1
                    },
                    "smithy.api#required": {}
                }
            },
            "SecurityGroupId": {
                "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
                "traits": {
                    "smithy.api#documentation": "<p>A security group ID that allows inbound TCP port 1688
communication between resources in\n      your VPC and the VPC endpoint for activation servers.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The registered identity providers product related configuration settings
such as the\n      subnets to provision VPC endpoints, and the security group ID that
 is associated with the VPC\n      endpoints. The security group should permit inbound TCP port 1688
communication from resources\n      in the VPC.</p>"
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
        },
        "errors": [
```

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            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
            },
            {
                "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Starts a product subscription for a user with the specified identity
provider.</p>\n        <note>\n            <p>Your estimated bill for charges on the number of users and related costs
will take 48\n        hours to appear for billing periods that haven't closed (marked as <b>Pending</b> billing status)
in Amazon Web Services Billing.
 For more information, see <a
href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n          monthly
charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p>\n        </note>",
            "smithy.api#http": {
                "code": 200,
                "method": "POST",
                "uri": "/user/StartProductSubscription"
            }
        }
    },
    "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
        "type": "structure",
        "members": {
            "Username": {
                "target": "smithy.api#String",
                "traits": {
                    "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
                    "smithy.api#required": {}
                }
            },
            "IdentityProvider": {
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"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required": {}
}
},
"Product": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
}
},
"Domain": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The domain name of the user. "
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse": {
"type": "structure",
"members": {
"ProductUserSummary": {
"target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
"traits": {
"smithy.api#documentation": " Metadata that describes the start product subscription operation. ",
"smithy.api#required": {}
}
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"

},
{

"target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Stops a product subscription for a user with the specified identity provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/user/StopProductSubscription"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest": {
"type": "structure",
"members": {
"Username": {
"target": "smithy.api#String",
"traits": {
"smithy.api#documentation": " The user name from the identity provider for the user. ",
"smithy.api#required": {}
}
},
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
"traits": {
"smithy.api#documentation": " An object that specifies details for the identity provider. ",
"smithy.api#required":
{}
}
},
"Product": {
"target": "smithy.api#String",

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            "traits": {
                "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
                "smithy.api#required": {}
            }
        },
        "Domain": {
            "target": "smithy.api#String",
            "traits": {
                "smithy.api#documentation": "<p>The domain name of the user.</p>"
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse": {
    "type": "structure",
    "members": {
        "ProductUserSummary": {
            "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
            "traits": {
                "smithy.api#documentation":
"<p>Metadata that describes the start product subscription operation.</p>",
                "smithy.api#required": {}
            }
        }
    }
},
"com.amazonaws.licensemanagerusersubscriptions#StringList": {
    "type": "list",
    "member": {
        "target": "smithy.api#String"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#Subnet": {
    "type": "string",
    "traits": {
        "smithy.api#pattern": "subnet-[a-z0-9]{8,17}"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#Subnets": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
    }
},
"com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
    "type": "structure",
    "members": {
        "message": {
```

"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": " The request was denied because of request throttling. Retry the request. ",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
},
"output": {
"target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
},
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Updates additional product configuration settings for the registered identity\n provider. ",
"smithy.api#http": {
"code": 200,
"method": "POST",
"uri": "/identity-provider/UpdateIdentityProviderSettings"
},
"smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
"type": "structure",
"members": {
"IdentityProvider": {
"target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",

"traits": {
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"Product": {
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"traits": {
"smithy.api#documentation": " The name of the user-based subscription product. ",
"smithy.api#required": {}
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"UpdateSettings": {
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"smithy.api#documentation": " Updates the registered identity providers product related configuration settings. You can\n update any combination of settings in a single operation such as the: \n \n \n Subnets which you want to add to provision VPC endpoints. \n \n \n Subnets which you want to remove the VPC endpoints from. \n \n \n Security group ID which permits traffic to the VPC endpoints. \n \n ",
"smithy.api#required": {}
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"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
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"smithy.api#documentation": " The ID of one or more subnets in which License Manager will create a VPC endpoint for products that\n require connectivity to activation servers. ",
"smithy.api#required": {}
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"RemoveSubnets": {

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"smithy.api#documentation": " The ID of one or more subnets to remove. ",
"smithy.api#required": {}
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"SecurityGroupId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
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"smithy.api#documentation": " A security group ID
that allows inbound TCP port 1688 communication between resources in\n your VPC and the VPC endpoints for activation servers. "
}
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"traits": {
"smithy.api#documentation": " Updates the registered identity providers product related configuration settings such as\n the subnets to provision VPC endpoints. "
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"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
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"members": {
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"traits": {
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"smithy.api#error": "client"
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            "namespace": "*"
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            "namespace": "*"
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        "version": "2018-08-01",
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                "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
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                "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
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      "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"

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"target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
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"target": "com.amazonaws.licensemanager#UpdateServiceSettings"
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"cloudFormationName": "LicenseManager",
"cloudTrailEventSource": "licensemanager.amazonaws.com",
"endpointPrefix": "license-manager"
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"aws.auth#sigv4": {
"name": "license-manager"
},
"aws.protocols#awsJson1_1": {},
"smithy.api#documentation": " License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers. ",
"smithy.api#title": "AWS License Manager",
"smithy.api#xmlNamespace": {
"uri": "https://license-manager.amazonaws.com/doc/2018_08_01"

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              "required": false,
              "documentation": "The AWS region used to dispatch the request.",
              "type": "String"
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            "UseDualStack": {
              "builtIn": "AWS::UseDualStack",
              "required": true,
              "default": false,
              "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
              "type": "Boolean"
            },
            "UseFIPS": {
              "builtIn": "AWS::UseFIPS",
              "required": true,
              "default": false,
              "documentation": "When true, send
 this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant
endpoint, dispatching the request will return an error.",
              "type": "Boolean"
            },
            "Endpoint": {
              "builtIn": "SDK::Endpoint",
              "required": false,
              "documentation": "Override the endpoint used to send this request",
              "type": "String"
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                "type": "error"
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                "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
                "type": "error"
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                    "ref": "Endpoint"
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                "type": "endpoint"
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                    "argv": [
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                        "argv": [
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                        "type": "endpoint"
                    }
                ]
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            {
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partition does not support FIPS",
                "type": "error"
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        ]
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"supportsDualStack"
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                    "headers": {}
                },
                "type": "endpoint"
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    "type": "error"
}
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"params": {
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"UseDualStack": false
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"https://license-manager.cn-north-1.amazonaws.com.cn"
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}
},
{
"documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-northwest-1",
"UseFIPS": false,
"UseDualStack": false

}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
}
},
"params": {
"Region": "cn-north-1",
"UseFIPS": true,
"UseDualStack": false
}

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      },
      {
        "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
          }
        },
        "params": {
          "Region": "cn-north-1",
          "UseFIPS": false,
          "UseDualStack": true
        }
      },

    {
        "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.us-gov-east-1.amazonaws.com"
          }
        },
        "params": {
          "Region": "us-gov-east-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
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      {
        "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
          }
         },
        "params": {
          "Region": "us-gov-east-1",
          "UseFIPS": true,
          "UseDualStack": false
        }
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      {
        "documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.us-gov-west-1.amazonaws.com"
          }
        },
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"params": {
"Region": "us-gov-west-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation":
"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
}
},
"params": {
"Region": "us-gov-west-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-gov-east-1.api.aws"
}
},

"params": {
"Region": "us-gov-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-gov-east-1.api.aws"
}
},
"params": {
"Region": "us-gov-east-1",
"UseFIPS": false,
"UseDualStack": true
}
},
{

"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
"expect": {
"error": "FIPS and DualStack are enabled, but this partition does not support one or both"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": true
}
},
{
"documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
"expect": {
"endpoint": {
"url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
}
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": true,
"UseDualStack": false
}
},
{
"documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
"expect": {
"error": "DualStack is enabled but this partition does not support DualStack"
},
"params": {
"Region": "us-iso-east-1",
"UseFIPS": false,
"UseDualStack": true
}

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      },
      {
        "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
          }
        },
        "params": {
          "Region": "us-isob-east-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
      },

    {
        "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
          "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
        },
        "params": {
          "Region": "us-isob-east-1",
          "UseFIPS": true,
          "UseDualStack": true
        }
      },
      {
        "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
          }
        },

"params": {
          "Region": "us-isob-east-1",
          "UseFIPS": true,
          "UseDualStack": false
        }
      },
      {
        "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
        "expect": {
          "error": "DualStack is enabled but this partition does not support DualStack"
        },
        "params": {
          "Region": "us-isob-east-1",
          "UseFIPS": false,
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"UseDualStack": true
}
},
{
"documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
"expect": {
"endpoint": {
"url": "https://example.com"
}
},
"params": {
"UseFIPS": false,

"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips enabled and dualstack disabled",
"expect": {
"error": "Invalid Configuration: FIPS and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": true,
"UseDualStack": false,
"Endpoint": "https://example.com"
}
},
{
"documentation": "For custom endpoint with fips disabled and dualstack enabled",
"expect": {

"error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
},
"params": {
"Region": "us-east-1",
"UseFIPS": false,
"UseDualStack": true,
"Endpoint": "https://example.com"
}
},
{
"documentation": "Missing region",
"expect": {
"error": "Invalid Configuration: Missing Region"
}
}
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#AcceptGrantRequest"

},
"output": {
"target": "com.amazonaws.licensemanager#AcceptGrantResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"

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            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"

    }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#AcceptGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant
ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
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"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#AccessDeniedException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
"httpResponseCode": 401
},
"smithy.api#documentation": " Access to resource denied. ",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
"type": "enum",
"members": {
"DISTRIBUTED_GRANTS_ONLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
}
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
}
}
}
},
"com.amazonaws.licensemanager#AllowedOperation": {

"type": "enum",
"members": {
"CREATE_GRANT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "CreateGrant"
}

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            },
            "CHECKOUT_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckoutLicense"
                }
            },
            "CHECKOUT_BORROW_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckoutBorrowLicense"
                }
            },
            "CHECK_IN_LICENSE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CheckInLicense"
                }
            },
            "EXTEND_CONSUMPTION_LICENSE":
{
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ExtendConsumptionLicense"
                }
            },
            "LIST_PURCHASED_LICENSES": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ListPurchasedLicenses"
                }
            },
            "CREATE_TOKEN": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "CreateToken"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#AllowedOperationList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#AllowedOperation"
        },
        "traits": {
            "smithy.api#length": {
                "min": 1,
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"max":
7
}
}
},
"com.amazonaws.licensemanager#Arn": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 2048
},
"smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
}
},
"com.amazonaws.licensemanager#ArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
}
},
"com.amazonaws.licensemanager#AuthorizationException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError":
{
"code": "AuthorizationFailure",
"httpResponseCode": 403
},
"smithy.api#documentation": " The Amazon Web Services user account does not have permission to perform the action. Check the IAM\n policy associated with this account. ",
"smithy.api#error": "client",
"smithy.api#httpError": 403
}
},
"com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
"type": "structure",
"members": {
"LastRunTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time that automated discovery last ran. "

```
            }
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>Describes automated discovery.</p>"
        }
      },

  "com.amazonaws.licensemanager#Boolean": {
        "type": "boolean",
        "traits": {
          "smithy.api#default": false
        }
      },
      "com.amazonaws.licensemanager#BorrowConfiguration": {
        "type": "structure",
        "members": {
          "AllowEarlyCheckIn": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
              "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
              "smithy.api#required": {}
            }
          },
          "MaxTimeToLiveInMinutes": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
              "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
              "smithy.api#required": {}
            }
          }

},
        "traits": {
          "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
        }
      },
      "com.amazonaws.licensemanager#BoxBoolean": {
        "type": "boolean"
      },
      "com.amazonaws.licensemanager#BoxInteger": {
        "type": "integer"
      },
      "com.amazonaws.licensemanager#BoxLong": {
        "type": "long"
      },
      "com.amazonaws.licensemanager#CheckInLicense": {
        "type": "operation",
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"input": {
"target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"

},
{
"target": "com.amazonaws.licensemanager#ConflictException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks in the specified license. Check in a license when it is no longer in use. "
}
},
"com.amazonaws.licensemanager#CheckInLicenseRequest": {
"type": "structure",
"members": {
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. ",
"smithy.api#required": {}
}

```
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License beneficiary.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckInLicenseResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
            },
```

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            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
        "type": "structure",
        "members":
 {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must
use the borrow consumption configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
                    "smithy.api#required": {}
                }
            },
            "DigitalSignatureMethod": {
                "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
                "traits": {
                    "smithy.api#documentation": "<p>Digital signature method. The possible
 value is JSON Web Signature (JWS) algorithm PS384.\n        For more information, see <a
href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS</a>.</p>",
                    "smithy.api#required": {}
                }
            },
```

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            "NodeId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Node ID.</p>"
                }
            },
            "CheckoutMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about constraints.</p>"
                }
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },
            "EntitlementsAllowed":
{
                "target": "com.amazonaws.licensemanager#EntitlementDataList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
                }
            },
            "NodeId": {
```

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout
is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout expires. "
}
},
"CheckoutMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about constraints. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicense": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{

"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Checks out the specified license. \n <note>\n If the account that created the license is the same that is performing the check out, you must\n specify the account as the beneficiary. \n </note>"
}
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
"type": "structure",
"members": {
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {

"smithy.api#documentation": " Checkout type. ",
"smithy.api#required": {}
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Key fingerprint identifying the license. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " License entitlements. ",

"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
"type": "structure",
"members": {

"CheckoutType": {
"target": "com.amazonaws.licensemanager#CheckoutType",
"traits": {
"smithy.api#documentation": " Checkout type. "
}
},
"LicenseConsumptionToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License consumption token. "
}
},
"EntitlementsAllowed": {
"target": "com.amazonaws.licensemanager#EntitlementDataList",
"traits": {
"smithy.api#documentation": " Allowed license entitlements. "
}
},
"SignedToken": {
"target": "com.amazonaws.licensemanager#SignedToken",
"traits": {
"smithy.api#documentation": " Signed token. "
}
},
"NodeId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Node ID. "
}
},
"IssuedAt": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and time at which the license checkout is issued. "
}
},
"Expiration": {
"target": "com.amazonaws.licensemanager#ISO8601DateTime",
"traits": {
"smithy.api#documentation": " Date and
time at which the license checkout expires. "
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the checkout license. "
}

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        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CheckoutType": {
    "type": "enum",
    "members": {
        "PROVISIONAL": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PROVISIONAL"
            }
        },
        "PERPETUAL": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PERPETUAL"
            }
        }
    }
},
"com.amazonaws.licensemanager#ClientRequestToken": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 1,
            "max": 36
        }
    }
},
"com.amazonaws.licensemanager#ClientToken": {
    "type": "string",
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 2048
        },
        "smithy.api#pattern": "^\\S+$"
    }
},
"com.amazonaws.licensemanager#ConflictException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
```

```
        },
        "traits": {
          "aws.protocols#awsQueryError": {
            "code": "ConflictException",
            "httpResponseCode":
 409
          },
          "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
          "smithy.api#error": "client",
          "smithy.api#httpError": 409
        }
      },
      "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
        "type": "structure",
        "members": {
          "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
              "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
            }
          },
          "ConsumedLicenses": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
              "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
            }
          }
        },

 "traits": {
          "smithy.api#documentation": "<p>Details about license consumption.</p>"
        }
      },
      "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
        "type": "list",
        "member": {
          "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
        }
      },
      "com.amazonaws.licensemanager#ConsumptionConfiguration": {
        "type": "structure",
        "members": {
          "RenewType": {
            "target": "com.amazonaws.licensemanager#RenewType",
            "traits": {
              "smithy.api#documentation": "<p>Renewal frequency.</p>"
            }
```

```
            },
            "ProvisionalConfiguration": {
                "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
                }
            },
            "BorrowConfiguration": {
                "target": "com.amazonaws.licensemanager#BorrowConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateGrantResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target":
"com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
```

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            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of license\n        entitlements with a specific Amazon Web Services account, an organization, or an\n organizational unit (OU). For more
 information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateGrantRequest": {
        "type": "structure",
        "members": {
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            },
            "GrantName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant name.</p>",
                    "smithy.api#required": {}

    }
            },
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "Principals": {
                "target": "com.amazonaws.licensemanager#PrincipalArnList",
                "traits": {
                    "smithy.api#documentation": "<p>The grant principals. You can specify one of the following as an Amazon Resource Name\n        (ARN):</p>\n        <ul>\n            <li>\n                <p>An Amazon Web Services account, which includes only the account specified.</p>\n            </li>\n        </ul>\n        <ul>\n            <li>\n
    <p>An organizational unit (OU), which includes all accounts in the OU.</p>\n            </li>\n        </ul>\n <ul>\n
            <li>\n                <p>An organization, which will include all accounts across your organization.</p>\n </li>\n        </ul>",
                    "smithy.api#required": {}
                }
```

```
        },
        "HomeRegion": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Home Region of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "AllowedOperations": {
            "target": "com.amazonaws.licensemanager#AllowedOperationList",
            "traits": {
                "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
                "smithy.api#required": {}
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
        },
        "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
                "smithy.api#documentation": "<p>Grant status.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateGrantVersion":
```

{
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a new version of the specified grant. For more information, see\n Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#CreateGrantVersionRequest": {
"type": "structure",
"members": {
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",

"smithy.api#required": {}
}

```
    },
    "GrantArn": {
        "target": "com.amazonaws.licensemanager#Arn",
        "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
            "smithy.api#required": {}
        }
    },
    "GrantName": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Grant name.</p>"
        }
    },
    "AllowedOperations": {
        "target": "com.amazonaws.licensemanager#AllowedOperationList",
        "traits": {
            "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
        }
    },
    "Status": {
        "target": "com.amazonaws.licensemanager#GrantStatus",
        "traits": {
            "smithy.api#documentation": "<p>Grant status.</p>"
        }
    },
    "StatusReason": {
        "target": "com.amazonaws.licensemanager#StatusReasonMessage",
        "traits": {
            "smithy.api#documentation": "<p>Grant status reason.</p>"
        }
    },
    "SourceVersion": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Current version of the grant.</p>"
        }
    },
    "Options": {
        "target": "com.amazonaws.licensemanager#Options",
        "traits": {
            "smithy.api#documentation": "<p>The options specified for the grant.</p>"
        }
    }
},
"traits": {
    "smithy.api#input": {}
}
```

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    },
    "com.amazonaws.licensemanager#CreateGrantVersionResponse": {
      "type": "structure",
      "members": {
        "GrantArn": {
          "target": "com.amazonaws.licensemanager#Arn",
          "traits": {
            "smithy.api#documentation": "<p>Grant ARN.</p>"
          }
        },
        "Status": {
          "target": "com.amazonaws.licensemanager#GrantStatus",
          "traits": {
            "smithy.api#documentation": "<p>Grant status.</p>"
          }
        },
        "Version": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>New version of the grant.</p>"
          }
        }
      },
      "traits":
{
        "smithy.api#output": {}
      }
    },
    "com.amazonaws.licensemanager#CreateLicense": {
      "type": "operation",
      "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
      },
      "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
      },
      "errors": [
        {
          "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
          "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
          "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
          "target": "com.amazonaws.licensemanager#RateLimitExceededException"
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            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a license configuration.</p>\n        <p>A license configuration is an abstraction of a customer license agreement that can be\n        consumed and enforced by License Manager. Components include specifications for the license\n        type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n        Dedicated Instance, Dedicated Host, or
```

all of these), license affinity to host (how long a \n license must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension used to track the license inventory. ",
"smithy.api#required": {}
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether hard or soft license enforcement is used. Exceeding a hard limit\n blocks the launch of new instances. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows. \n \n \n \n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> |

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<code>minimumCores</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>Instances</code> dimension: <code>allowedTenancy</code> | \n            <code>maximumCores</code> |
<code>minimumCores</code> |\n            <code>maximumSockets</code> | <code>minimumSockets</code> |\n
        <code>maximumVcpus</code> | <code>minimumVcpus</code>\n            </p>\n          </li>\n
<li>\n
  <p>\n              <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n
<code>licenseAffinityToHost</code> |\n            <code>maximumSockets</code> |
<code>minimumSockets</code>\n            </p>\n          </li>\n          <li>\n            <p>\n
<code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n
<code>honorVcpuOptimization</code> | \n            <code>maximumVcpus</code> |
<code>minimumVcpus</code>\n            </p>\n          </li>\n        </ul>\n        <p>The unit for
<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n        values for
<code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n
<code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n
<code>True</code> and <code>False</code>.</p>"
            }
          },

  "Tags": {
            "target": "com.amazonaws.licensemanager#TagList",
            "traits": {
              "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
            }
          },
          "DisassociateWhenNotFound": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
            "traits": {
              "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
            }
          },
          "ProductInformationList": {
            "target": "com.amazonaws.licensemanager#ProductInformationList",
            "traits": {
              "smithy.api#documentation": "<p>Product information.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
 {
        "type": "structure",
        "members": {
          "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
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            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
    }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
    "type": "structure",
    "members": {
        "ResourceArn": {

            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
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"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource you are converting the license type for. ",
"smithy.api#required": {}
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
},
"DestinationLicenseContext":
{
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information that identifies the license type you are converting to. For the structure of the destination license, see Convert a license type using the CLI in the License Manager User Guide. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

"traits": {
"smithy.api#documentation": " The ID of the created license type conversion task. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
"type": "operation",

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        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Creates a report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "ReportGeneratorName":
{
                "target": "com.amazonaws.licensemanager#ReportGeneratorName",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>",
                    "smithy.api#required": {}
                }
            },
            "Type": {
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"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports to generate. The following report types an be generated: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}

}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " Defines the type of license configuration the report generator tracks. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags to add to the report generator. "
}
}
},

"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the new report generator. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseRequest": {
"type": "structure",
"members": {
"LicenseName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License name. ",
"smithy.api#required": {}
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits": {

"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region for the license. ",
"smithy.api#required": {}

}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}

```
            },
            "ClientToken": {
                "target": "com.amazonaws.licensemanager#ClientToken",
                "traits": {
                    "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseResponse": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>"
                }
            },
            "Version": {
                 "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#CreateLicenseVersion": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
        },
```

```
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#ConflictException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#RedirectException"
          },
          {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
        }
      },
      "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
        "type": "structure",
        "members": {
          "LicenseArn": {
            "target":
"com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
              "smithy.api#required": {}
            }
          },
          "LicenseName": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>License name.</p>",
              "smithy.api#required": {}
            }
          },
```

"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. ",
"smithy.api#required": {}
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#Issuer",
"traits":
{
"smithy.api#documentation": " License issuer. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the license. ",
"smithy.api#required": {}
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. ",
"smithy.api#required": {}
}
},
"LicenseMetadata": {
"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Information about the license. "
}
},
"Entitlements": {
"target": "com.amazonaws.licensemanager#EntitlementList",
"traits": {
"smithy.api#documentation": " License entitlements. ",
"smithy.api#required": {}
}
},
"ConsumptionConfiguration": {
"target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
"traits": {
"smithy.api#documentation": " Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for

workloads with offline\n usage. ",
"smithy.api#required": {}
}
},

"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"SourceVersion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Current version of the license. "
}
}
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New version of the license. "
}
},
"Status": {

"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
}
},
"traits": {
"smithy.api#output":
{}
}
},
"com.amazonaws.licensemanager#CreateToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#CreateTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#CreateTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},

{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Creates a long-lived token. \n A refresh token is a JWT

token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license. "
}
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits":
{
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token. ",
"smithy.api#required": {}
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n License Manager does not check whether the roles are in use. "
}
},
"ExpirationInDays": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Token expiration, in days, counted from token creation. The default is 365 days. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token. "
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientToken",
"traits": {
"smithy.api#documentation": " Idempotency token, valid for 10 minutes. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

```
},
"com.amazonaws.licensemanager#CreateTokenResponse": {
    "type": "structure",
    "members": {
        "TokenId": {
            "target": "com.amazonaws.licensemanager#String",

            "traits": {
                "smithy.api#documentation": "<p>Token ID.</p>"
            }
        },
        "TokenType": {
            "target": "com.amazonaws.licensemanager#TokenType",
            "traits": {
                "smithy.api#documentation": "<p>Token type.</p>"
            }
        },
        "Token": {
            "target": "com.amazonaws.licensemanager#TokenString",
            "traits": {
                "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#DateTime": {
    "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
    "type": "structure",
    "members": {
        "Begin": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>Start of the time range.</p>",
                "smithy.api#required": {}
            }
        },
        "End": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>End of the time range.</p>"
            }
        }
    },
```

```
        "traits": {
            "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteGrant": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
         },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
```

```
            }
          },
          "StatusReason": {
            "target": "com.amazonaws.licensemanager#StatusReasonMessage",
            "traits": {
              "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Current version of the
grant.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#DeleteGrantResponse": {
        "type": "structure",
        "members": {
          "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
              "smithy.api#documentation": "<p>Grant ARN.</p>"
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#GrantStatus",
            "traits": {
              "smithy.api#documentation": "<p>Grant status.</p>"
            }
          },
          "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation":
"<p>Grant version.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
```

```
    "com.amazonaws.licensemanager#DeleteLicense": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#ConflictException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"

},
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#RedirectException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Deletes the specified license.</p>"
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
        },
```

"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified license configuration. \n You cannot delete a license configuration that is in use. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the license configuration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified report generator. \n This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator. "
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
"type": "structure",
"members": {
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator to be deleted. ",
"smithy.api#required": {}
}
}

```
        },
        "traits": {

 "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseRequest": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                    "smithy.api#required": {}
                }
            },
            "SourceVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Current version of the license.</p>",
                    "smithy.api#required":
{}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#DeleteLicenseResponse": {
        "type": "structure",
        "members": {
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
                "traits": {
                    "smithy.api#documentation": "<p>License status.</p>"
                }
            },
            "DeletionDate": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
```

"smithy.api#documentation": " Date when the license is deleted. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DeleteToken": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#DeleteTokenRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#DeleteTokenResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#RedirectException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},

{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Deletes the specified token. Must be called in the license home Region. "
}
},
"com.amazonaws.licensemanager#DeleteTokenRequest": {
"type": "structure",
"members": {

"TokenId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token ID. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteTokenResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}

}
},
"com.amazonaws.licensemanager#DigitalSignatureMethod": {
"type": "enum",
"members": {
"JWT_PS384": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "JWT_PS384"
}
}
}
},
"com.amazonaws.licensemanager#Entitlement": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement name. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Entitlement resource. Use only
if the unit is None. "
}
},

```
            "MaxCount": {
                "target": "com.amazonaws.licensemanager#Long",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum entitlement count. Use if the unit is not None.</p>"
                }
            },
            "Overage": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether overages are allowed.</p>"
                }
            },
            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement unit.</p>",
                    "smithy.api#required": {}
                }
            },
            "AllowCheckIn": {
                "target":
"com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Indicates whether check-ins are allowed.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Describes a resource entitled for use with a license.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementData": {
        "type": "structure",
        "members": {
            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement data name.</p>",
                    "smithy.api#required": {}
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement
data value.</p>"
                }
            },
```

"Unit": {
"target": "com.amazonaws.licensemanager#EntitlementDataUnit",
"traits": {
"smithy.api#documentation": " Entitlement data unit. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Data associated with an entitlement resource. "
}
},
"com.amazonaws.licensemanager#EntitlementDataList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#EntitlementData"
}
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {

"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits"
}
},
"GIGABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits"
}
},
"TERABITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits"

}
},
"PERCENT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Percent"
}
},
"BYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes/Second"
}
},
"KILOBYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes/Second"
}
},
"MEGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes/Second"
}
},
"GIGABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes/Second"
}
},

"TERABYTES_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue":
"Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},
"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementList": {
"type": "list",
"member": {

"target": "com.amazonaws.licensemanager#Entitlement"
}
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The entitlement is not allowed. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#EntitlementUnit": {
"type": "enum",
"members": {
"COUNT": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count"
}
},
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"SECONDS":
{
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Seconds"
}
},
"MICROSECONDS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Microseconds"
}
},
"MILLISECONDS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Milliseconds"
}
},
"BYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bytes"
}
},
"KILOBYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobytes"
}
},
"MEGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabytes"
}
},
"GIGABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabytes"
}
},
"TERABYTES": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabytes"
}
},
"BITS": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits"
}
},
"KILOBITS": {
"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Kilobits"
}
},
"MEGABITS": {
"target": "smithy.api#Unit",

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            "traits": {
                "smithy.api#enumValue": "Megabits"
            }
        },
        "GIGABITS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Gigabits"
            }
        },
        "TERABITS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Terabits"
            }
        },
        "PERCENT": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Percent"
            }
        },
        "BYTES_PER_SECOND": {
            "target":
"smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Bytes/Second"
            }
        },
        "KILOBYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Kilobytes/Second"
            }
        },
        "MEGABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Megabytes/Second"
            }
        },
        "GIGABYTES_PER_SECOND": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Gigabytes/Second"
            }
        },
        "TERABYTES_PER_SECOND": {
```

"target": "smithy.api#Unit",
"traits": {

"smithy.api#enumValue": "Terabytes/Second"
}
},
"BITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Bits/Second"
}
},
"KILOBITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Kilobits/Second"
}
},
"MEGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Megabits/Second"
}
},
"GIGABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Gigabits/Second"
}
},

"TERABITS_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Terabits/Second"
}
},
"COUNT_PER_SECOND": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Count/Second"
}
}
}
},
"com.amazonaws.licensemanager#EntitlementUsage": {
"type": "structure",
"members": {

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            "Name": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement usage name.</p>",
                    "smithy.api#required": {}
                }
            },
            "ConsumedValue": {
                "target": "com.amazonaws.licensemanager#String",

           "traits": {
                    "smithy.api#documentation": "<p>Resource usage consumed.</p>",
                    "smithy.api#required": {}
                }
            },
            "MaxCount": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
                }
            },
            "Unit": {
                "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
                "traits": {
                    "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#EntitlementUsageList":
{
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#EntitlementUsage"
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumption": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
        },
```

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        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
           },
          {
            "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
        "traits": {
          "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
        }
      },
      "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
        "type": "structure",
        "members": {
          "LicenseConsumptionToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>License consumption token.</p>",
              "smithy.api#required": {}

       }
          },
          "DryRun": {
            "target": "com.amazonaws.licensemanager#Boolean",
            "traits": {
              "smithy.api#default": false,
              "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action,
without actually making the request. Provides an error response if you do not have the required permissions.</p>"
            }
          }
        },
        "traits": {
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            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
        "type": "structure",
        "members": {
            "LicenseConsumptionToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License consumption token.</p>"
                }
            },

            "Expiration": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#FailedDependencyException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            },
            "ErrorCode": {
                "target": "com.amazonaws.licensemanager#String"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "FailedDependency",
                "httpResponseCode": 424
            },
            "smithy.api#documentation":
"<p>A dependency required to run the API is missing.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 424
        }
    },
    "com.amazonaws.licensemanager#Filter": {
        "type": "structure",
        "members": {
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"Name": {
"target": "com.amazonaws.licensemanager#FilterName",
"traits": {
"smithy.api#documentation": " Name of the filter. Filter names are case-sensitive. "
}
},
"Values": {
"target": "com.amazonaws.licensemanager#FilterValues",
"traits": {
"smithy.api#documentation": " The value of the filter, which is case-sensitive. You can only specify one value for the filter. "
}
}
},
"traits": {
"smithy.api#documentation": " A filter name and value pair that is used to return more specific results from a\n describe operation. Filters can be used to match a set of resources by specific criteria,\n such as tags, attributes, or IDs. "
}
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "FilterLimitExceeded",
"httpResponseCode": 400
},
"smithy.api#documentation": " The request uses too many filters or too many filter values. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#FilterList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Filter"
}
},
"com.amazonaws.licensemanager#FilterName": {
"type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
"type": "string"

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    },
    "com.amazonaws.licensemanager#FilterValues": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#FilterValue",
            "traits": {
                "smithy.api#xmlName": "item"
            }
        }
    },
    "com.amazonaws.licensemanager#Filters": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Filter",
            "traits": {
                "smithy.api#xmlName": "item"
            }
        }
    },
    "com.amazonaws.licensemanager#GetAccessToken": {
        "type": "operation",
        "input": {
             "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
```

tokens\n are valid for one hour. "
}
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
"type": "structure",
"members": {
"Token": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Refresh token, encoded as a JWT token. ",
"smithy.api#required": {}
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Token properties to validate against those present in the JWT token. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetAccessTokenResponse": {
"type": "structure",
"members": {
"AccessToken": {
"target": "com.amazonaws.licensemanager#TokenString",
"traits": {
"smithy.api#documentation": " Temporary access token. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetGrant": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetGrantRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetGrantResponse"
},

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    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"

    },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
    }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
    "type": "structure",
    "members": {
        "GrantArn": {
            "target": "com.amazonaws.licensemanager#Arn",
             "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                "smithy.api#required": {}
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Grant version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
```

```
},
"com.amazonaws.licensemanager#GetGrantResponse": {
    "type": "structure",
    "members": {
        "Grant": {
            "target": "com.amazonaws.licensemanager#Grant",
            "traits": {
                "smithy.api#documentation": "<p>Grant details.</p>"
            }
        }
    },
    "traits": {

"smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#GetLicense": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#GetLicenseRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#GetLicenseResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"

 },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
    }
```

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    },
    "com.amazonaws.licensemanager#GetLicenseConfiguration": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets detailed information about the specified license
configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits":
 {
            "smithy.api#input": {}
        }
    },
```

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"com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
    "type": "structure",
    "members": {
        "LicenseConfigurationId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
            }
        },
        "LicenseConfigurationArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
            }
        },
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Name of the license configuration.</p>"
             }
        },
        "Description": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Description of the license configuration.</p>"
            }
        },
        "LicenseCountingType": {
            "target": "com.amazonaws.licensemanager#LicenseCountingType",
            "traits": {
                "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
            }
        },
        "LicenseRules": {
            "target": "com.amazonaws.licensemanager#StringList",
            "traits": {
                "smithy.api#documentation": "<p>License rules.</p>"
            }
        },
        "LicenseCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",

           "traits": {
                "smithy.api#documentation": "<p>Number of available licenses.</p>"
            }
        },
        "LicenseCountHardLimit": {
            "target": "com.amazonaws.licensemanager#BoxBoolean",
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"traits": {
"smithy.api#documentation": " Sets the number of available licenses as a hard limit. "
}
},
"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses assigned to resources. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License configuration status. "
}

},
"OwnerAccountId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Account ID of the owner of the license configuration. "
}
},
"ConsumedLicenseSummaryList": {
"target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the licenses consumed by resources. "
}
},
"ManagedResourceSummaryList": {
"target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
"traits": {
"smithy.api#documentation": " Summaries of the managed resources. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags for the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " Product information. "
}
},
"AutomatedDiscoveryInformation": {

"target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
"traits": {
"smithy.api#documentation": " Automated discovery information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When
true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{

"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Gets information about the specified license type conversion task. "
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {

"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task to retrieve information on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
"type": "structure",
"members": {
"LicenseConversionTaskId": {
"target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
"traits": {
"smithy.api#documentation": " ID of the license type conversion task. "
}
},
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the resources the license conversion task is associated with. "
}
},
"SourceLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted from. "
}
},
"DestinationLicenseContext": {
"target": "com.amazonaws.licensemanager#LicenseConversionContext",
"traits": {
"smithy.api#documentation": " Information about the license type converted to. "
}
},
"StatusMessage": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The status message for the conversion task. "

```
            }
          },
          "Status": {
            "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
            "traits": {
              "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
            }
          },

  "StartTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
            }
          },
          "LicenseConversionTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
            }
          },
          "EndTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Time at which the license type conversion task was
completed.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
 {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
```

```
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"

           },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
                    "smithy.api#required":
{}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
        "type": "structure",
        "members": {
            "ReportGenerator": {
                "target": "com.amazonaws.licensemanager#ReportGenerator",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
```

configurations. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License version. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseResponse": {
"type": "structure",
"members": {
"License": {
"target": "com.amazonaws.licensemanager#License",
"traits": {
"smithy.api#documentation": " License details. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},

"com.amazonaws.licensemanager#GetLicenseUsage": {
"type": "operation",
"input": {

"target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{

"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Gets detailed information about the usage of the specified license. "
}
},
"com.amazonaws.licensemanager#GetLicenseUsageRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseUsageResponse": {
"type": "structure",
"members": {

```
            "LicenseUsage": {
                "target":
"com.amazonaws.licensemanager#LicenseUsage",
                "traits": {
                    "smithy.api#documentation": "<p>License usage details.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettings": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
             },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsRequest": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#GetServiceSettingsResponse": {
        "type": "structure",
        "members": {
```

"S3BucketArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Regional S3 bucket path for storing reports, license trail event data, discovery data,\n and so on. "

}
},
"SnsTopicArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " SNS topic configured to receive notifications from License Manager. "
}
},
"OrganizationConfiguration": {
"target": "com.amazonaws.licensemanager#OrganizationConfiguration",
"traits": {
"smithy.api#documentation": " Indicates whether Organizations is integrated with License Manager for\n cross-account discovery. "
}
},
"EnableCrossAccountsDiscovery": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Indicates whether cross-account discovery is enabled. "
}

},
"LicenseManagerResourceShareArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource share. The License Manager management account \n provides member accounts with access to this share. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#Grant": {
"type": "structure",
"members": {
"GrantArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the grant. ",

"smithy.api#required": {}
}
},
"GrantName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant name. ",
"smithy.api#required": {}
}
},
"ParentArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Parent ARN. ",
"smithy.api#required": {}
}
},
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " License ARN. ",
"smithy.api#required": {}
}
},
"GranteePrincipalArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {

"smithy.api#documentation": " The grantee principal ARN. ",
"smithy.api#required": {}
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Home Region of the grant. ",
"smithy.api#required": {}
}
},
"GrantStatus": {
"target": "com.amazonaws.licensemanager#GrantStatus",
"traits": {
"smithy.api#documentation": " Grant status. ",
"smithy.api#required": {}
}
},
"StatusReason": {

"target": "com.amazonaws.licensemanager#StatusReasonMessage",
"traits": {
"smithy.api#documentation": " Grant status reason. "
}
},
"Version": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Grant version. ",
"smithy.api#required": {}
}
},
"GrantedOperations": {
"target": "com.amazonaws.licensemanager#AllowedOperationList",
"traits": {
"smithy.api#documentation": " Granted operations. ",
"smithy.api#required": {}
}
},
"Options": {
"target": "com.amazonaws.licensemanager#Options",
"traits": {
"smithy.api#documentation": " The options specified for the grant. "
}
}
},
"traits": {
"smithy.api#documentation":
" Describes a grant. "
}
},
"com.amazonaws.licensemanager#GrantList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Grant"
}
},
"com.amazonaws.licensemanager#GrantStatus": {
"type": "enum",
"members": {
"PENDING_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_WORKFLOW"
}
},
"PENDING_ACCEPT": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "PENDING_ACCEPT"
}
},
"REJECTED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REJECTED"

}
},
"ACTIVE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "ACTIVE"
}
},
"FAILED_WORKFLOW": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "FAILED_WORKFLOW"
}
},
"DELETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DELETED"
}
},
"PENDING_DELETE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_DELETE"
}
},
"DISABLED": {
"target": "smithy.api#Unit",
"traits":
{
"smithy.api#enumValue": "DISABLED"
}
},
"WORKFLOW_COMPLETED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "WORKFLOW_COMPLETED"
}
}

```
        }
    },
    "com.amazonaws.licensemanager#GrantedLicense": {
        "type": "structure",
        "members": {
            "LicenseArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
                }
            },
            "LicenseName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>License name.</p>"
                }

},
            "ProductName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product name.</p>"
                }
            },
            "ProductSKU": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Product SKU.</p>"
                }
            },
            "Issuer": {
                "target": "com.amazonaws.licensemanager#IssuerDetails",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license issuer.</p>"
                }
            },
            "HomeRegion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Home Region of the granted license.</p>"

             }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license status.</p>"
                }
```

```
            },
            "Validity": {
                "target": "com.amazonaws.licensemanager#DatetimeRange",
                "traits": {
                    "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in
ISO8601-UTC format.</p>"
                }
            },
            "Beneficiary": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
                }
            },
            "Entitlements": {
                "target": "com.amazonaws.licensemanager#EntitlementList",
                 "traits": {
                    "smithy.api#documentation": "<p>License entitlements.</p>"
                }
            },
            "ConsumptionConfiguration": {
                "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
                }
            },
            "LicenseMetadata": {
                "target": "com.amazonaws.licensemanager#MetadataList",
                "traits": {
                    "smithy.api#documentation": "<p>Granted license metadata.</p>"
                }
            },
            "CreateTime": {
                "target": "com.amazonaws.licensemanager#ISO8601DateTime",
                "traits": {
                    "smithy.api#documentation": "<p>Creation time of the granted license.</p>"

    }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Version of the granted license.</p>"
                }
            },
            "ReceivedMetadata": {
                "target": "com.amazonaws.licensemanager#ReceivedMetadata",
                "traits": {
```

"smithy.api#documentation": " Granted license received metadata. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes a license that is granted to a grantee. "
}
},
"com.amazonaws.licensemanager#GrantedLicenseList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#GrantedLicense"
}
},
"com.amazonaws.licensemanager#ISO8601DateTime":
{
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 50
},
"smithy.api#pattern": "^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$"
}
},
"com.amazonaws.licensemanager#Integer": {
"type": "integer"
},
"com.amazonaws.licensemanager#InvalidParameterValueException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidParameterValueProvided",
"httpResponseCode": 400
},
"smithy.api#documentation":
" One or more parameter values are not valid. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#InvalidResourceStateException": {

"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InvalidResourceState",
"httpResponseCode": 400
},
"smithy.api#documentation": " License Manager cannot allocate a license to a resource because of its state. \n For example, you cannot allocate a license to an instance in the process of shutting\n down. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},

"com.amazonaws.licensemanager#InventoryFilter": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the filter. ",
"smithy.api#required": {}
}
},
"Condition": {
"target": "com.amazonaws.licensemanager#InventoryFilterCondition",
"traits": {
"smithy.api#documentation": " Condition of the filter. ",
"smithy.api#required": {}
}
},
"Value": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Value of the filter. "
}
}

},
"traits": {
"smithy.api#documentation": " An inventory filter. "
}
},

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"com.amazonaws.licensemanager#InventoryFilterCondition": {
    "type": "enum",
    "members": {
        "EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EQUALS"
            }
        },
        "NOT_EQUALS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "NOT_EQUALS"
            }
        },
        "BEGINS_WITH": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "BEGINS_WITH"
            }
        },
        "CONTAINS": {
            "target": "smithy.api#Unit",
            "traits": {
                 "smithy.api#enumValue": "CONTAINS"
            }
        }
    }
},
"com.amazonaws.licensemanager#InventoryFilterList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#InventoryFilter"
    }
},
"com.amazonaws.licensemanager#Issuer": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Issuer name.</p>",
                "smithy.api#required": {}
            }
        },
        "SignKey": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the issuer of a license. "
}
},
"com.amazonaws.licensemanager#IssuerDetails": {
"type": "structure",
"members": {
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer name. "
}
},
"SignKey": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm. "
}
},
"KeyFingerprint": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Issuer key fingerprint. "
}
}
},
"traits": {
"smithy.api#documentation": " Details associated with the issuer of a license. "
}
},
"com.amazonaws.licensemanager#License": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license. "
}
},
"LicenseName": {

"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " License name. "
}
},
"ProductName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product name. "
}
},
"ProductSKU": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Product SKU. "
}
},
"Issuer": {
"target": "com.amazonaws.licensemanager#IssuerDetails",
"traits": {
"smithy.api#documentation": " License issuer. "
}
},
"HomeRegion": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Home Region of the license. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#LicenseStatus",
"traits": {
"smithy.api#documentation": " License status. "
}
},
"Validity": {
"target": "com.amazonaws.licensemanager#DatetimeRange",
"traits": {
"smithy.api#documentation": " Date and time range during which the license is valid, in ISO8601-UTC format. "
}
},
"Beneficiary": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " License beneficiary. "

```
            }
        },
        "Entitlements": {

  "target": "com.amazonaws.licensemanager#EntitlementList",
            "traits": {
                "smithy.api#documentation": "<p>License entitlements.</p>"
            }
        },
        "ConsumptionConfiguration": {
            "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
            "traits": {
                "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
            }
        },
        "LicenseMetadata": {
            "target": "com.amazonaws.licensemanager#MetadataList",
            "traits": {
                "smithy.api#documentation": "<p>License metadata.</p>"
            }
        },
        "CreateTime": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
                "smithy.api#documentation": "<p>License
creation time.</p>"
            }
        },
        "Version": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>License version.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
    "type": "structure",
    "members": {
        "LicenseConfigurationId": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
            }
        },
```

"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Description of the license configuration. "
}
},
"LicenseCountingType": {
"target": "com.amazonaws.licensemanager#LicenseCountingType",
"traits": {
"smithy.api#documentation": " Dimension to use to track the license inventory. "
}
},
"LicenseRules": {
"target": "com.amazonaws.licensemanager#StringList",
"traits": {
"smithy.api#documentation": " License rules. "
}
},
"LicenseCount": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " Number of available licenses as a hard limit. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}

```
    },
    "ConsumedLicenses": {
        "target": "com.amazonaws.licensemanager#BoxLong",
        "traits": {
            "smithy.api#documentation": "<p>Number of licenses consumed. </p>"
        }
    },
    "Status": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Status of the license configuration.</p>"
        }
    },
    "OwnerAccountId": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Account ID of the license configuration's owner.</p>"

   }
    },
    "ConsumedLicenseSummaryList": {
        "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
        "traits": {
            "smithy.api#documentation": "<p>Summaries for licenses consumed by various resources.</p>"
        }
    },
    "ManagedResourceSummaryList": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
        "traits": {
            "smithy.api#documentation": "<p>Summaries for managed resources.</p>"
        }
    },
    "ProductInformationList": {
        "target": "com.amazonaws.licensemanager#ProductInformationList",
        "traits": {
            "smithy.api#documentation": "<p>Product information.</p>"
        }
    },
    "AutomatedDiscoveryInformation": {

        "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
        "traits": {
            "smithy.api#documentation": "<p>Automated discovery information.</p>"
        }
    }
},
"traits": {
    "smithy.api#documentation": "<p>A license configuration is an abstraction of a customer license
```

agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
"type": "structure",
"members": {
"ResourceArn":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the resource. "
}
},
"ResourceType": {
"target": "com.amazonaws.licensemanager#ResourceType",
"traits": {
"smithy.api#documentation": " Type of server resource. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource consuming licenses. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {

"smithy.api#documentation": " Time when the license configuration was associated with the resource. "
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes an association with a license configuration. "
}
},

```
    "com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationStatus": {
        "type": "enum",
        "members":
{
            "AVAILABLE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "AVAILABLE"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DISABLED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#LicenseConfigurationUsage": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceStatus": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Status of the resource.</p>"
                }
            },
            "ResourceOwnerId": {
                "target": "com.amazonaws.licensemanager#String",
```

"traits": {
"smithy.api#documentation": " ID of the account that owns the resource. "
}
},
"AssociationTime": {
"target": "com.amazonaws.licensemanager#DateTime",
"traits": {
"smithy.api#documentation": " Time when the license configuration was initially associated with the resource. "
}
},

"ConsumedLicenses": {
"target": "com.amazonaws.licensemanager#BoxLong",
"traits": {
"smithy.api#documentation": " Number of licenses consumed by the resource. "
}
}
},
"traits": {
"smithy.api#documentation": " Details about the usage of a resource associated with a license configuration. "
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
}
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseConfiguration"
}
},
"com.amazonaws.licensemanager#LicenseConversionContext": {

"type": "structure",
"members": {
"UsageOperation": {
"target": "com.amazonaws.licensemanager#UsageOperation",
"traits": {
"smithy.api#documentation": " The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\n \n "
}

```
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
        }
    },
    "com.amazonaws.licensemanager#LicenseConversionTask": {
        "type": "structure",
        "members": {
            "LicenseConversionTaskId": {

     "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
                "traits": {
                    "smithy.api#documentation": "<p>The ID of the license type conversion task.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource associated
with the license type\n        conversion task.</p>"
                }
            },
            "SourceLicenseContext": {
                "target": "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license type this conversion task converted
from.</p>"
                }
            },
            "DestinationLicenseContext": {
                "target":
 "com.amazonaws.licensemanager#LicenseConversionContext",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
                "traits": {
                    "smithy.api#documentation": "<p>The status of the conversion task.</p>"
                }
            },
            "StatusMessage": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
```

```
            }
        },
        "StartTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation":
 "<p>The time the conversion task was started at.</p>"
            }
        },
        "LicenseConversionTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
            }
        },
        "EndTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
            "traits": {
                "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
    }
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
    "type": "string",
    "traits": {

    "smithy.api#length": {
            "min": 0,
            "max": 50
        },
        "smithy.api#pattern": "^lct-[a-zA-Z0-9]*$"
    }
},
"com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
    "type": "enum",
    "members": {
        "IN_PROGRESS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "IN_PROGRESS"
            }
        },
        "SUCCEEDED": {
```

```
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "SUCCEEDED"
            }
        },
        "FAILED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "FAILED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseConversionTasks":
{
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#LicenseConversionTask"
    }
},
"com.amazonaws.licensemanager#LicenseCountingType": {
    "type": "enum",
    "members": {
        "VCPU": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "vCPU"
            }
        },
        "INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Instance"
            }
        },
        "CORE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "Core"
            }
        },
        "SOCKET": {
            "target": "smithy.api#Unit",
             "traits": {
                "smithy.api#enumValue": "Socket"
            }
        }
    }
```

```
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
    "type": "enum",
    "members": {
        "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#License"
    }
},
"com.amazonaws.licensemanager#LicenseOperationFailure": {

    "type": "structure",
    "members": {
        "ResourceArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
            }
        },
        "ResourceType": {
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Resource type.</p>"
            }
        },
        "ErrorMessage": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Error message.</p>"
            }
        },
        "FailureTime": {
            "target": "com.amazonaws.licensemanager#DateTime",
```

"traits": {

"smithy.api#documentation": " Failure time. "
}
},
"OperationName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the operation. "
}
},
"ResourceOwnerId": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " ID of the Amazon Web Services account that owns the resource. "
}
},
"OperationRequestedBy": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The requester is \"License Manager Automated Discovery\". "
}
},
"MetadataList": {

"target": "com.amazonaws.licensemanager#MetadataList",
"traits": {
"smithy.api#documentation": " Reserved. "
}
}
},
"traits": {
"smithy.api#documentation": " Describes the failure of a license operation. "
}
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseOperationFailure"
}
},
"com.amazonaws.licensemanager#LicenseSpecification": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
},
"AmiAssociationScope": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Scope of AMI associations. The possible value is <code>cross-account</code>. "
}
}
},
"traits": {
"smithy.api#documentation": " Details for associating a license configuration with a resource. "
}
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#LicenseSpecification"
}
},
"com.amazonaws.licensemanager#LicenseStatus": {
"type": "enum",
"members": {
"AVAILABLE": {
"target": "smithy.api#Unit",

"traits": {
"smithy.api#enumValue": "AVAILABLE"
}
},
"PENDING_AVAILABLE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "PENDING_AVAILABLE"
}
},
"DEACTIVATED": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "DEACTIVATED"
}
},
"SUSPENDED": {
"target": "smithy.api#Unit",

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            "traits": {
                "smithy.api#enumValue": "SUSPENDED"
            }
        },
        "EXPIRED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EXPIRED"
            }
        },

    "PENDING_DELETE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "PENDING_DELETE"
            }
        },
        "DELETED": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "DELETED"
            }
        }
    }
},
"com.amazonaws.licensemanager#LicenseUsage": {
    "type": "structure",
    "members": {
        "EntitlementUsages": {
            "target": "com.amazonaws.licensemanager#EntitlementUsageList",
            "traits": {
                "smithy.api#documentation": "<p>License entitlement usages.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"

    }
},
"com.amazonaws.licensemanager#LicenseUsageException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
```

"aws.protocols#awsQueryError": {
"code": "LicenseUsageFailure",
"httpResponseCode": 412
},
"smithy.api#documentation": " You do not have enough licenses available to support a new resource launch. ",
"smithy.api#error": "client",
"smithy.api#httpError": 412
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
},
"output": {

"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the resource associations for the specified license configuration. \n Resource associations need not consume licenses from a license configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n the license rules). "
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
"type": "structure",

"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results
to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
"type": "structure",
"members": {
"LicenseConfigurationAssociations": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
"traits": {
"smithy.api#documentation": " Information about the associations for the license
configuration. "
}
},
"NextToken": {

"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},

```
"com.amazonaws.licensemanager#ListDistributedGrants": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
         },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
    "type": "structure",
    "members": {
        "GrantArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
            "traits": {

        "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
            }
        },
        "Filters": {
            "target": "com.amazonaws.licensemanager#FilterList",
            "traits": {
```

"smithy.api#documentation": " Filters to scope the results. The following filters are supported: \n \n \n \n <code>LicenseArn</code>\n \n \n \n \n <code>GrantStatus</code>\n \n \n \n \n <code>GranteePrincipalARN</code>\n \n \n \n \n <code>ProductSKU</code>\n \n \n \n \n <code>LicenseIssuerName</code>\n \n \n "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#MaxSize100",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
"type": "structure",
"members": {
"Grants": {
"target": "com.amazonaws.licensemanager#GrantList",

"traits": {
"smithy.api#documentation": " Distributed grant details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {

"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
},
"errors": [
{

"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license configuration operations that failed. "
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
"type": "structure",
"members": {
"LicenseConfigurationArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name of the license configuration. ",
"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

```
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
    "type": "structure",
    "members": {
        "LicenseOperationFailureList": {
            "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
            "traits": {
                "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseConfigurations": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
    },

  "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
        },
```

```
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the license configurations
 for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArns": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#BoxInteger",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next
 set of results.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#Filters",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n        are supported:</p>\n        <ul>\n            <li>\n                <p>\n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n                Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n                Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n            <li>\n
<p>\n                <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n                Logical operators are <code>EQUALS</code> |
```

```
<code>NOT_EQUALS</code>.</p>\n
    </li>\n            <li>\n              <p>\n                <code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n              Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n            </li>\n         </ul>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
        "type": "structure",
        "members": {
            "LicenseConfigurations": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurations",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the license configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",

          "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseConversionTasks": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
```

"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the license type conversion tasks for your account. "
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
"type": "structure",
"members": {
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {

"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " \n Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
"type": "structure",
"members": {
"LicenseConversionTasks": {
"target": "com.amazonaws.licensemanager#LicenseConversionTasks",
"traits": {
"smithy.api#documentation": " Information about the license configuration tasks for your

account. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target":
"com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n        <ul>\n            <li>\n                <p>\n                <code>LicenseConfigurationArn</code>\n
</p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits":
{
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
        "type": "structure",
        "members": {
            "ReportGenerators": {
                "target": "com.amazonaws.licensemanager#ReportGeneratorList",
                "traits": {
                    "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
```

"smithy.api#documentation": " Token for the next set of results. "
}

}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Describes the license configurations for the specified resource. "
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of a resource that has an associated license configuration. ",
"smithy.api#required": {}
}

```
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {

    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
    "type": "structure",
    "members": {
        "LicenseSpecifications": {
            "target": "com.amazonaws.licensemanager#LicenseSpecifications",
            "traits": {
                "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
            }
        },
        "NextToken": {
             "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
    },
    "errors": [
```

```
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
    "type": "structure",
    "members": {
        "LicenseArn": {
            "target": "com.amazonaws.licensemanager#Arn",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
                "smithy.api#required": {}
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
```

```
        "type": "structure",
        "members": {
          "Licenses": {
            "target": "com.amazonaws.licensemanager#LicenseList",
            "traits": {
              "smithy.api#documentation": "<p>License details.</p>"
            }
          },

"NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#ListLicenses": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#ListLicensesRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#ListLicensesResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
           },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
        ],
```

```
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListLicensesRequest": {
        "type": "structure",
        "members": {
            "LicenseArns": {
                "target": "com.amazonaws.licensemanager#ArnList",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
                }
            },

     "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n              <p>\n                <code>Beneficiary</code>\n              </p>\n
      </li>\n           <li>\n              <p>\n                <code>ProductSKU</code>\n              </p>\n           </li>\n
   <li>\n              <p>\n                <code>Fingerprint</code>\n              </p>\n           </li>\n           <li>\n
<p>\n                <code>Status</code>\n              </p>\n           </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token
 for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListLicensesResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#LicenseList",
                "traits": {
```

"smithy.api#documentation": " License details. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrants": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists grants that are received. Received grants are grants created while

specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
"target":
"com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
"smithy.api#documentation": " Lists the grants received for all accounts in the organization. "
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
"type": "structure",
"members": {
"LicenseArn": {
"target": "com.amazonaws.licensemanager#Arn",
"traits": {
"smithy.api#documentation": " The Amazon Resource Name (ARN) of the received license. ",
"smithy.api#required": {}

```
            }
          },
          "Filters": {
            "target": "com.amazonaws.licensemanager#FilterList",
            "traits": {
              "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
    <ul>\n        <li>\n        <p>\n        <code>ParentArn</code>\n        </p>\n        </li>\n
<li>\n        <p>\n        <code>GranteePrincipalArn</code>\n        </p>\n        </li>\n        </ul>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          },
          "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
              "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
 {
        "type": "structure",
        "members": {
          "Grants": {
            "target": "com.amazonaws.licensemanager#GrantList",
            "traits": {
              "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
            }
          },
          "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
          }
        },
        "traits": {
          "smithy.api#output": {}
        }
```

```
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
      "type": "structure",
      "members": {
        "GrantArns": {
          "target": "com.amazonaws.licensemanager#ArnList",
           "traits": {
            "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
          }
        },
        "Filters": {
          "target": "com.amazonaws.licensemanager#FilterList",
          "traits": {
            "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n<ul>\n<li>\n<p>\n<code>ProductSKU</code>\n</p>\n
</li>\n<li>\n<p>\n<code>LicenseIssuerName</code>\n</p>\n
</li>\n<li>\n<p>\n<code>LicenseArn</code>\n</p>\n</li>\n
<li>\n<p>\n<code>GrantStatus</code>\n</p>\n</li>\n<li>\n
<p>\n
<code>GranterAccountId</code>\n</p>\n</li>\n</ul>"
          }
        },
        "NextToken": {
          "target": "com.amazonaws.licensemanager#String",
          "traits": {
            "smithy.api#documentation": "<p>Token for the next set of results.</p>"
          }
        },
        "MaxResults": {
          "target": "com.amazonaws.licensemanager#MaxSize100",
          "traits": {
            "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
          }
        }
      },
      "traits": {
        "smithy.api#input": {}
      }
    },
    "com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
      "type": "structure",
      "members": {
        "Grants": {
          "target": "com.amazonaws.licensemanager#GrantList",
           "traits": {
            "smithy.api#documentation": "<p>Received grant details.</p>"
          }
        },
```

```
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        },
        {
            "target": "com.amazonaws.licensemanager#ValidationException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists received licenses.</p>"
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
```

```
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {

    "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
        "type": "structure",
        "members": {
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n                <p>\n                <code>Beneficiary</code>\n                </p>\n
        </li>\n            <li>\n                <p>\n                <code>ProductSKU</code>\n
            </p>\n            </li>\n        </ul>"
                }
            },
```

```
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        },
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#MaxSize100",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
    "type": "structure",
    "members": {
        "Licenses": {
            "target": "com.amazonaws.licensemanager#GrantedLicenseList",
             "traits": {
                "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
    "type": "structure",
    "members": {
        "LicenseArns": {
            "target": "com.amazonaws.licensemanager#ArnList",
            "traits": {
                "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
            }
        },
```

```
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n        <ul>\n            <li>\n              <p>\n                <code>ProductSKU</code>\n              </p>\n
        </li>\n            <li>\n              <p>\n                <code>Status</code>\n              </p>\n            </li>\n
<li>\n              <p>\n                <code>Fingerprint</code>\n              </p>\n            </li>\n            <li>\n
<p>\n                <code>IssuerName</code>\n              </p>\n            </li>\n            <li>\n              <p>\n
<code>Beneficiary</code>\n              </p>\n            </li>\n        </ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                 "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
        "type": "structure",
        "members": {
            "Licenses": {
                "target": "com.amazonaws.licensemanager#GrantedLicenseList",
                "traits": {
                    "smithy.api#documentation": "<p>Received license details.</p>"
                }
            },

            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
```

```
},
"com.amazonaws.licensemanager#ListResourceInventory": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#FailedDependencyException"
        },
        {
            "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
    "traits": {
        "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
    }
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
    "type": "structure",
    "members": {
        "MaxResults": {
            "target": "com.amazonaws.licensemanager#BoxInteger",
            "traits": {
                "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
            }
        },
        "NextToken": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
```

"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#InventoryFilterList",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>account_id</code> - The ID of the Amazon Web Services account that owns the resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n
\n \n \n <code>application_name</code> - The name of the application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n
\n \n \n <code>license_included</code> - The type of license included. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n
\n <code>platform</code> - The platform of the resource.\n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>. \n \n \n \n
<code>resource_id</code> - The ID of the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n
<code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account). \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
"type": "structure",
"members": {
"ResourceInventoryList": {
"target": "com.amazonaws.licensemanager#ResourceInventoryList",
"traits": {
"smithy.api#documentation": " Information about the resources. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
}
},
"traits": {

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListTagsForResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
"smithy.api#documentation": " Lists the tags for the specified license configuration. "
}
},
"com.amazonaws.licensemanager#ListTagsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",

"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}

```
    },
    "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
        "type": "structure",
        "members": {
            "Tags": {
                "target": "com.amazonaws.licensemanager#TagList",
                "traits": {
                    "smithy.api#documentation": "<p>Information about the tags.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokens": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListTokensRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListTokensResponse"
        },
        "errors":
[
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists your tokens.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListTokensRequest": {
        "type": "structure",
        "members": {
```

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            "TokenIds": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {

                  "smithy.api#documentation": "<p>Token IDs.</p>"
                }
            },
            "Filters": {
                "target": "com.amazonaws.licensemanager#FilterList",
                "traits": {
                    "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
    <ul>\n        <li>\n        <p>\n        <code>LicenseArns</code>\n        </p>\n        </li>\n
</ul>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            },
            "MaxResults": {
                "target": "com.amazonaws.licensemanager#MaxSize100",
                "traits": {
                    "smithy.api#documentation":
 "<p>Maximum number of results to return in a single call.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#ListTokensResponse": {
        "type": "structure",
        "members": {
            "Tokens": {
                "target": "com.amazonaws.licensemanager#TokenList",
                "traits": {
                    "smithy.api#documentation": "<p>Received token details.</p>"
                }
            },
            "NextToken": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Token for the next set of results.</p>"
                }
            }
```

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        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
             {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license\n        consumption details by resource at a selected point in time. Use this action to audit the\n        current
license consumption for any license inventory and configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
```

"smithy.api#required": {}
}
},
"MaxResults": {
"target": "com.amazonaws.licensemanager#BoxInteger",
"traits": {
"smithy.api#documentation": " Maximum number of results to return in a single call. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token for the next set of results. "
}
},
"Filters": {
"target": "com.amazonaws.licensemanager#Filters",
"traits": {
"smithy.api#documentation": " Filters to scope the results. The following filters and logical operators\n are supported: \n \n \n \n <code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n \n \n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. \n \n "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
"type": "structure",
"members": {

"LicenseConfigurationUsageList": {
"target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
"traits": {
"smithy.api#documentation": " Information about the license configurations. "
}
},
"NextToken": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

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                "smithy.api#documentation": "<p>Token for the next set of results.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#Location": {
    "type": "string"
},
"com.amazonaws.licensemanager#Long": {
    "type": "long"
},
"com.amazonaws.licensemanager#ManagedResourceSummary": {
    "type": "structure",
    "members": {
        "ResourceType":
{
            "target": "com.amazonaws.licensemanager#ResourceType",
            "traits": {
                "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
            }
        },
        "AssociationCount": {
            "target": "com.amazonaws.licensemanager#BoxLong",
            "traits": {
                "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
    }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
    }
},
"com.amazonaws.licensemanager#MaxSize100": {

"type": "integer",
    "traits": {
        "smithy.api#range": {
            "min": 1,
            "max": 100
```

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        }
    }
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#String"
    },
    "traits": {
        "smithy.api#length": {
            "min": 0,
            "max": 3
        }
    }
},
"com.amazonaws.licensemanager#Message": {
    "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
    "type": "structure",
    "members": {
        "Name": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The key name.</p>"
            }
        },

"Value": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
                "smithy.api#documentation": "<p>The value.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#documentation": "<p>Describes key/value pairs.</p>"
    }
},
"com.amazonaws.licensemanager#MetadataList": {
    "type": "list",
    "member": {
        "target": "com.amazonaws.licensemanager#Metadata"
    }
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
    "type": "structure",
    "members": {
```

"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " There are no entitlements found for this license, or the entitlement maximum count is reached. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
"type": "structure",
"members": {
"ActivationOverrideBehavior": {
"target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
"traits": {
"smithy.api#documentation": " An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter. \n \n \n As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant. \n \n \n As a grantor, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your organization. \n \n \n As a grantee, if the grantor creating the distributed grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n are activating the grant. \n \n \n <dl>\n <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n Use this value to activate a grant without replacing any member accounts\n active grants for the same product. \n </dd>\n <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n Use this value to activate a grant and disable other active grants in any\n member accounts
for the same product. This action will also replace their\n previously activated grants with this activated grant. \n </dd>\n </dl>"
}
}
},
"traits": {
"smithy.api#documentation": " The options you can specify when you create a new version of a grant, such as activation\n override behavior. For more information, see Granted licenses in License Manager in the License Manager User Guide. "
}
},
"com.amazonaws.licensemanager#OrganizationConfiguration": {
"type": "structure",
"members": {
"EnableIntegration": {
"target": "com.amazonaws.licensemanager#Boolean",

"traits": {
"smithy.api#default": false,
"smithy.api#documentation":
" Enables Organizations integration. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Configuration information for Organizations. "
}
},
"com.amazonaws.licensemanager#PrincipalArnList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#Arn"
},
"traits": {
"smithy.api#length": {
"min": 1,
"max": 1
}
}
},
"com.amazonaws.licensemanager#ProductInformation": {
"type": "structure",
"members": {
"ResourceType": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Resource type. The
possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterList": {
"target": "com.amazonaws.licensemanager#ProductInformationFilterList",
"traits": {
"smithy.api#documentation": " A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a
<code>ProductInformationFilterValue</code> that specifies the value to filter on. \n Accepted values
for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for
<code>ProductInformationFilterComparator</code>. \n The following filters and are supported when
the resource type \n is <code>SSM_MANAGED</code>: \n
\n \n \n <code>Application Name</code> - The name of the
application.\n Logical operator is <code>EQUALS</code>. \n \n \n
\n <code>Application Publisher</code> - The publisher of the application.\n Logical

operator is <code>EQUALS</code>. \n \n \n \n <code>Application Version</code> - The version of the application.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>. \n \n \n \n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>. \n
\n \n \n <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.\n \n \n \n \n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery.\n Logical operator is <code>NOT_EQUALS</code>. \n \n \n \n <code>License Included</code> - The type of license included.\n Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are: <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>. \n \n \n The following filters and logical operators are supported when the resource type\n is <code>RDS</code>: \n \n \n \n <code>Engine Edition</code> - The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>. \n \n \n \n <code>License Pack</code> - The license pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data guard</code> | \n <code>diagnostic pack sqlt</code> | \n <code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>. \n
\n ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Describes product information for a license configuration. "
}
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
"type": "structure",
"members": {
"ProductInformationFilterName": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Filter name. ",
"smithy.api#required": {}
}
},
"ProductInformationFilterValue": {
"target": "com.amazonaws.licensemanager#StringList",

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        "traits": {
            "smithy.api#documentation": "<p>Filter value.</p>"
        }
      },
      "ProductInformationFilterComparator": {
        "target": "com.amazonaws.licensemanager#String",
        "traits": {
            "smithy.api#documentation": "<p>Logical operator.</p>",
            "smithy.api#required": {}
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Describes product information filters.</p>"
    }
  },
  "com.amazonaws.licensemanager#ProductInformationFilterList": {
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#ProductInformationFilter"
    }
  },
  "com.amazonaws.licensemanager#ProductInformationList": {
    "type": "list",
    "member": {
      "target": "com.amazonaws.licensemanager#ProductInformation"
     }
  },
  "com.amazonaws.licensemanager#ProvisionalConfiguration": {
    "type": "structure",
    "members": {
      "MaxTimeToLiveInMinutes": {
        "target": "com.amazonaws.licensemanager#BoxInteger",
        "traits": {
            "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
            "smithy.api#required": {}
        }
      }
    },
    "traits": {
      "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
    }
  },
  "com.amazonaws.licensemanager#RateLimitExceededException": {
    "type": "structure",
    "members": {
      "Message": {
        "target": "com.amazonaws.licensemanager#Message"
```

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            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "RateLimitExceeded",
                "httpResponseCode": 429
            },
            "smithy.api#documentation": "<p>Too many requests have been submitted. Try again after a brief
wait.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 429
        }
    },
    "com.amazonaws.licensemanager#ReceivedMetadata": {
        "type": "structure",
        "members": {
            "ReceivedStatus": {
                "target": "com.amazonaws.licensemanager#ReceivedStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Received status.</p>"
                }
            },
            "ReceivedStatusReason": {
                "target": "com.amazonaws.licensemanager#StatusReasonMessage",
                "traits": {
                    "smithy.api#documentation": "<p>Received
status reason.</p>"
                }
            },
            "AllowedOperations": {
                "target": "com.amazonaws.licensemanager#AllowedOperationList",
                "traits": {
                    "smithy.api#documentation": "<p>Allowed operations.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
        }
    },
    "com.amazonaws.licensemanager#ReceivedStatus": {
        "type": "enum",
        "members": {
            "PENDING_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "PENDING_WORKFLOW"
                }
```

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            },
            "PENDING_ACCEPT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue":
"PENDING_ACCEPT"
                }
            },
            "REJECTED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "REJECTED"
                }
            },
            "ACTIVE": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "ACTIVE"
                }
            },
            "FAILED_WORKFLOW": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "FAILED_WORKFLOW"
                }
            },
            "DELETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DELETED"
                }
            },
            "DISABLED": {
                "target": "smithy.api#Unit",
                 "traits": {
                    "smithy.api#enumValue": "DISABLED"
                }
            },
            "WORKFLOW_COMPLETED": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WORKFLOW_COMPLETED"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#RedirectException": {
        "type": "structure",
```

```
        "members": {
          "Location": {
            "target": "com.amazonaws.licensemanager#Location",
            "traits": {
              "smithy.api#httpHeader": "Location"
            }
          },
          "Message": {
            "target": "com.amazonaws.licensemanager#Message"
          }
        },
        "traits": {
          "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
           "smithy.api#error": "client",
          "smithy.api#httpError": 308
        }
      },
      "com.amazonaws.licensemanager#RejectGrant": {
        "type": "operation",
        "input": {
          "target": "com.amazonaws.licensemanager#RejectGrantRequest"
        },
        "output": {
          "target": "com.amazonaws.licensemanager#RejectGrantResponse"
        },
        "errors": [
          {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
          },
          {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
          },
          {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
          },
          {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
          },
          {
            "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
          },
          {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
          },
          {
            "target": "com.amazonaws.licensemanager#ValidationException"
          }
```

```
        ],
        "traits": {
            "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
        }
    },
    "com.amazonaws.licensemanager#RejectGrantRequest": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
                    "smithy.api#required": {}
                }
            }
        },
        "traits": {
            "smithy.api#input": {}

}
    },
    "com.amazonaws.licensemanager#RejectGrantResponse": {
        "type": "structure",
        "members": {
            "GrantArn": {
                "target": "com.amazonaws.licensemanager#Arn",
                "traits": {
                    "smithy.api#documentation": "<p>Grant ARN.</p>"
                }
            },
            "Status": {
                "target": "com.amazonaws.licensemanager#GrantStatus",
                "traits": {
                    "smithy.api#documentation": "<p>Grant status.</p>"
                }
            },
            "Version": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Grant version.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#RenewType":
```

{
"type": "enum",
"members": {
"NONE": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "None"
}
},
"WEEKLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Weekly"
}
},
"MONTHLY": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "Monthly"
}
}
}
},
"com.amazonaws.licensemanager#ReportContext": {
"type": "structure",
"members": {
"licenseConfigurationArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {

"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration that this generator reports on. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#documentation": " Details of the license configuration that this generator reports on. "
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
"type": "structure",
"members": {
"value": {
"target": "com.amazonaws.licensemanager#Integer",
"traits": {
"smithy.api#documentation": " Number of times within the frequency period that a report is generated. \n The only supported value is <code>1</code>. "

```
                }
            },
            "period": {
                "target": "com.amazonaws.licensemanager#ReportFrequencyType",

                "traits": {
                    "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
or monthly.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
        }
    },
    "com.amazonaws.licensemanager#ReportFrequencyType": {
        "type": "enum",
        "members": {
            "DAY": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "DAY"
                }
            },
            "WEEK": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "WEEK"
                }
            },
            "MONTH": {
                "target": "smithy.api#Unit",
                "traits":
{
                    "smithy.api#enumValue": "MONTH"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#ReportGenerator": {
        "type": "structure",
        "members": {
            "ReportGeneratorName": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Name of the report generator.</p>"
                }
            },
```

"ReportType": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation": " Type of reports that are generated. "
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " License
configuration type for this generator. "
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits": {
"smithy.api#documentation": " Details about how frequently reports are generated. "
}
},
"LicenseManagerReportGeneratorArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the report generator. "
}
},
"LastRunStatus": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Status of the last report generation attempt. "
}
},
"LastRunFailureReason":
{
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Failure message for the last report generation attempt. "
}
},
"LastReportGenerationTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the last report was generated at. "
}
},
"ReportCreatorAccount": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " The Amazon Web Services account ID used to create the report

generator. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",

"traits": {
"smithy.api#documentation": " Description of the report generator. "
}
},
"S3Location": {
"target": "com.amazonaws.licensemanager#S3Location",
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"CreateTime": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Time the report was created. "
}
},
"Tags": {
"target": "com.amazonaws.licensemanager#TagList",
"traits": {
"smithy.api#documentation": " Tags associated with the report generator. "
}

}
},
"traits": {
"smithy.api#documentation": " Describe the details of a report generator. "
}
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#ReportGenerator"
}
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 1,
"max": 100
}

```
        }
    },
    "com.amazonaws.licensemanager#ReportType": {
        "type": "enum",
        "members": {
            "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
                }

    },
            "LICENSE_CONFIGURATION_USAGE_REPORT": {
                "target": "smithy.api#Unit",
                "traits": {
                    "smithy.api#enumValue": "LicenseConfigurationUsageReport"
                }
            }
        }
    },
    "com.amazonaws.licensemanager#ReportTypeList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ReportType"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventory": {
        "type": "structure",
        "members": {
            "ResourceId": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the resource.</p>"
                }
            },
            "ResourceType": {
                "target": "com.amazonaws.licensemanager#ResourceType",
                "traits":
{
                    "smithy.api#documentation": "<p>Type of resource.</p>"
                }
            },
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
                }
            },
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```
            "Platform": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform of the resource.</p>"
                }
            },
            "PlatformVersion": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
                }
            },
            "ResourceOwningAccountId":
{
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a resource.</p>"
        }
    },
    "com.amazonaws.licensemanager#ResourceInventoryList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#ResourceInventory"
        }
    },
    "com.amazonaws.licensemanager#ResourceLimitExceededException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "aws.protocols#awsQueryError": {
                "code": "ResourceLimitExceeded",

             "httpResponseCode": 400
            },
            "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
            "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    },
```

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"com.amazonaws.licensemanager#ResourceNotFoundException": {
    "type": "structure",
    "members": {
        "Message": {
            "target": "com.amazonaws.licensemanager#Message"
        }
    },
    "traits": {
        "aws.protocols#awsQueryError": {
            "code": "InvalidResource.NotFound",
            "httpResponseCode": 400
        },
        "smithy.api#documentation": "<p>The resource cannot be found.</p>",
        "smithy.api#error": "client",
        "smithy.api#httpError": 400
    }
},
"com.amazonaws.licensemanager#ResourceType": {
    "type": "enum",
     "members": {
        "EC2_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_INSTANCE"
            }
        },
        "EC2_HOST": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_HOST"
            }
        },
        "EC2_AMI": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "EC2_AMI"
            }
        },
        "RDS": {
            "target": "smithy.api#Unit",
            "traits": {
                "smithy.api#enumValue": "RDS"
            }
        },
        "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
            "target": "smithy.api#Unit",
            "traits": {
```

"smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
}
}
}
},
"com.amazonaws.licensemanager#S3Location": {
"type": "structure",
"members": {
"bucket": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Name of the S3 bucket reports are published to. "
}
},
"keyPrefix": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Prefix of the S3 bucket reports are published to. "
}
}
},
"traits": {
"smithy.api#documentation": " Details of the S3 bucket that report generator reports are published to. "
}
},
"com.amazonaws.licensemanager#ServerInternalException": {
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"aws.protocols#awsQueryError": {
"code": "InternalError",
"httpResponseCode": 500
},
"smithy.api#documentation": " The server experienced an internal error. Try again. ",
"smithy.api#error": "server",
"smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanager#SignedToken": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 4096

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            }
        }
    },
    "com.amazonaws.licensemanager#StatusReasonMessage": {
        "type": "string",
        "traits":
{
            "smithy.api#length": {
                "min": 0,
                "max": 400
            },
            "smithy.api#pattern": "^[\\s\\S]+$"
        }
    },
    "com.amazonaws.licensemanager#String": {
        "type": "string"
    },
    "com.amazonaws.licensemanager#StringList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
        }
    },
    "com.amazonaws.licensemanager#Tag": {
        "type": "structure",
        "members": {
            "Key": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Tag key.</p>"
                }
            },
            "Value": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation":
"<p>Tag value.</p>"
                }
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagKeyList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#String"
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        }
    },
    "com.amazonaws.licensemanager#TagList": {
        "type": "list",
        "member": {
            "target": "com.amazonaws.licensemanager#Tag"
        }
    },
    "com.amazonaws.licensemanager#TagResource": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#TagResourceRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#TagResourceResponse"
        },
        "errors": [
            {
                "target":
"com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#TagResourceRequest": {
        "type": "structure",
        "members": {
            "ResourceArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits":
{
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
```

```
            }
          },
          "Tags": {
            "target": "com.amazonaws.licensemanager#TagList",
            "traits": {
              "smithy.api#documentation": "<p>One or more tags.</p>",
              "smithy.api#required": {}
            }
          }
        },
        "traits": {
          "smithy.api#input": {}
        }
      },
      "com.amazonaws.licensemanager#TagResourceResponse": {
        "type": "structure",
        "members": {},
        "traits": {
          "smithy.api#output": {}
        }
      },
      "com.amazonaws.licensemanager#TokenData": {
        "type": "structure",
        "members": {
          "TokenId": {
            "target": "com.amazonaws.licensemanager#String",
             "traits": {
              "smithy.api#documentation": "<p>Token ID.</p>"
            }
          },
          "TokenType": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
            }
          },
          "LicenseArn": {
            "target": "com.amazonaws.licensemanager#String",
            "traits": {
              "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
            }
          },
          "ExpirationTime": {
            "target": "com.amazonaws.licensemanager#ISO8601DateTime",
            "traits": {
              "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC
```

format. "
}
},
"TokenProperties": {
"target": "com.amazonaws.licensemanager#MaxSize3StringList",
"traits": {
"smithy.api#documentation": " Data specified by the caller. "
}
},
"RoleArns": {
"target": "com.amazonaws.licensemanager#ArnList",
"traits": {
"smithy.api#documentation": " Amazon Resource Names (ARN) of the roles included in the token. "
}
},
"Status": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Token status. The possible values are <code>AVAILABLE</code> and <code>DELETED</code>. "
}
}
},
"traits": {

"smithy.api#documentation": " Describes a token. "
}
},
"com.amazonaws.licensemanager#TokenList": {
"type": "list",
"member": {
"target": "com.amazonaws.licensemanager#TokenData"
}
},
"com.amazonaws.licensemanager#TokenString": {
"type": "string",
"traits": {
"smithy.api#length": {
"min": 0,
"max": 4096
},
"smithy.api#pattern": "^\\S+$"
}
},
"com.amazonaws.licensemanager#TokenType": {
"type": "enum",
"members": {

"REFRESH_TOKEN": {
"target": "smithy.api#Unit",
"traits": {
"smithy.api#enumValue": "REFRESH_TOKEN"
}
}
}
},
"com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
{
"type": "structure",
"members": {
"Message": {
"target": "com.amazonaws.licensemanager#Message"
}
},
"traits": {
"smithy.api#documentation": " The digital signature method is unsupported. Try your request
again. ",
"smithy.api#error": "client",
"smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#UntagResource": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UntagResourceRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UntagResourceResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
"target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
"target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
"target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
"target": "com.amazonaws.licensemanager#ServerInternalException"
}
],

"traits": {
"smithy.api#documentation": " Removes the specified tags from the specified license configuration. "
}
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the license configuration. ",
"smithy.api#required": {}
}
},
"TagKeys": {
"target": "com.amazonaws.licensemanager#TagKeyList",
"traits": {
"smithy.api#documentation": " Keys identifying the tags to remove. ",
"smithy.api#required": {}
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
},
"output": {
"target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
},
"errors": [
{
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},

```
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
        "type": "structure",
        "members": {
            "LicenseConfigurationArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
                    "smithy.api#required": {}
                }
            },
            "LicenseConfigurationStatus": {
                "target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
                "traits": {
                    "smithy.api#documentation": "<p>New status of the license configuration.</p>"
                }
            },
            "LicenseRules": {
                "target": "com.amazonaws.licensemanager#StringList",
                "traits": {

    "smithy.api#documentation": "<p>New license rule. The only rule that you can add after you create a license\n
    configuration is licenseAffinityToHost.</p>"
                }
            },
            "LicenseCount": {
                "target": "com.amazonaws.licensemanager#BoxLong",
                "traits": {
```

"smithy.api#documentation": " New number of licenses managed by the license configuration. "
}
},
"LicenseCountHardLimit": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " New hard limit of the number of available licenses. "
}
},
"Name": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New name of the license configuration. "
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " New description of the license configuration. "
}
},
"ProductInformationList": {
"target": "com.amazonaws.licensemanager#ProductInformationList",
"traits": {
"smithy.api#documentation": " New product information. "
}
},
"DisassociateWhenNotFound": {
"target": "com.amazonaws.licensemanager#BoxBoolean",
"traits": {
"smithy.api#documentation": " When true, disassociates a resource when software is uninstalled. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}

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    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
        "type": "operation",
        "input": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
            },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            },
            {
                "target": "com.amazonaws.licensemanager#ValidationException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates a report generator.</p>\n        <p>After you make changes to a
report generator, it starts generating new reports within 60 minutes of being updated.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest":
{
        "type": "structure",
        "members": {
            "LicenseManagerReportGeneratorArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to
```

update. ",
"smithy.api#required": {}
}
},
"ReportGeneratorName": {
"target": "com.amazonaws.licensemanager#ReportGeneratorName",
"traits": {
"smithy.api#documentation": " Name of the report generator. ",
"smithy.api#required": {}
}
},
"Type": {
"target": "com.amazonaws.licensemanager#ReportTypeList",
"traits": {
"smithy.api#documentation":
" Type of reports to generate. The following report types are supported: \n \n \n License configuration report - Reports the number and details of consumed licenses for a license configuration. \n \n \n Resource report - Reports the tracked licenses and resource consumption for a license configuration. \n \n ",
"smithy.api#required": {}
}
},
"ReportContext": {
"target": "com.amazonaws.licensemanager#ReportContext",
"traits": {
"smithy.api#documentation": " The report context. ",
"smithy.api#required": {}
}
},
"ReportFrequency": {
"target": "com.amazonaws.licensemanager#ReportFrequency",
"traits":
{
"smithy.api#documentation": " Frequency by which reports are generated. ",
"smithy.api#required": {}
}
},
"ClientToken": {
"target": "com.amazonaws.licensemanager#ClientRequestToken",
"traits": {
"smithy.api#documentation": " Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. ",
"smithy.api#required": {}
}
},
"Description": {
"target": "com.amazonaws.licensemanager#String",
"traits": {

```
                "smithy.api#documentation": "<p>Description of the report generator.</p>"
            }
        }
    },
    "traits": {
        "smithy.api#input": {}
    }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
    "type": "structure",
    "members": {},
    "traits": {
        "smithy.api#output": {}
    }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
    "type": "operation",
    "input": {
        "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
    },
    "output": {
        "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
    },
    "errors": [
        {
            "target": "com.amazonaws.licensemanager#AccessDeniedException"
        },
        {
            "target": "com.amazonaws.licensemanager#AuthorizationException"
        },
        {
            "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
        },

        {
            "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
        },
        {
            "target": "com.amazonaws.licensemanager#LicenseUsageException"
        },
        {
            "target": "com.amazonaws.licensemanager#RateLimitExceededException"
        },
        {
            "target": "com.amazonaws.licensemanager#ServerInternalException"
        }
    ],
```

"traits": {
"smithy.api#documentation": " Adds or removes the specified license configurations for the specified Amazon Web Services resource. \n You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource. "
}
},

"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
"type": "structure",
"members": {
"ResourceArn": {
"target": "com.amazonaws.licensemanager#String",
"traits": {
"smithy.api#documentation": " Amazon Resource Name (ARN) of the Amazon Web Services resource. ",
"smithy.api#required": {}
}
},
"AddLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to add. "
}
},
"RemoveLicenseSpecifications": {
"target": "com.amazonaws.licensemanager#LicenseSpecifications",
"traits": {
"smithy.api#documentation": " ARNs of the license configurations to remove. "
}
}
},
"traits": {
"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
"type": "structure",
"members": {},
"traits": {
"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
"type": "operation",
"input": {
"target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"

```
        },
        "output": {
            "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
        },
        "errors": [
            {
                "target": "com.amazonaws.licensemanager#AccessDeniedException"
            },
            {
                "target": "com.amazonaws.licensemanager#AuthorizationException"
             },
            {
                "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
            },
            {
                "target": "com.amazonaws.licensemanager#RateLimitExceededException"
            },
            {
                "target": "com.amazonaws.licensemanager#ServerInternalException"
            }
        ],
        "traits": {
            "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
        "type": "structure",
        "members": {
            "S3BucketArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where the License
 Manager information is stored.</p>"
                }
            },
            "SnsTopicArn": {
                "target": "com.amazonaws.licensemanager#String",
                "traits": {
                    "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts.</p>"
                }
            },
            "OrganizationConfiguration": {
                "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
                "traits": {
                    "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account discovery.</p>"
```

```
                }
            },
            "EnableCrossAccountsDiscovery": {
                "target": "com.amazonaws.licensemanager#BoxBoolean",
                "traits": {
                    "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"

        }
            }
        },
        "traits": {
            "smithy.api#input": {}
        }
    },
    "com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
        "type": "structure",
        "members": {},
        "traits": {
            "smithy.api#output": {}
        }
    },
    "com.amazonaws.licensemanager#UsageOperation": {
        "type": "string",
        "traits": {
            "smithy.api#length": {
                "min": 0,
                "max": 50
            }
        }
    },
    "com.amazonaws.licensemanager#ValidationException": {
        "type": "structure",
        "members": {
            "Message": {
                "target": "com.amazonaws.licensemanager#Message"
            }
        },
        "traits": {
            "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

    "smithy.api#error": "client",
            "smithy.api#httpError": 400
        }
    }
  }
}
```

1.8697 cluster-bootstrap v0.0.0

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package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
 Plugin     string
 Option     string
 Severity   string // 'deprecated', 'removed', or 'unsupported'
 ReplacedBy string
 Additional string
 Version    string
}

func (n *Notice) ToString() string {
 s := ""
 if n.Option == "" {
  s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
 } else {
  s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
 }
 if n.Severity == SevUnsupported {
  s += "is unsupported by this migration tool in " + n.Version + "."
 } else if n.Severity == SevNewDefault {
  s += "is added as a default in " + n.Version + "."
 } else {
  s += "is " + n.Severity + " in " + n.Version + "."
 }
 if n.ReplacedBy != "" {
  s += fmt.Sprintf(` It is replaced by "%v".`, n.ReplacedBy)
 }
 if n.Additional != "" {
  s += " " + n.Additional
 }
 return s
}

const (
 // The following statuses are used to indicate the state of support/deprecation in a given release.
 SevDeprecated  = "deprecated"
```

// deprecated, but still completely functional
SevIgnored = "ignored" // if included in the corefile, it will be ignored by CoreDNS
SevRemoved = "removed" // completely removed from CoreDNS, and would cause CoreDNS to exit if present in the Corefile
SevNewDefault = "newdefault" // added to the default corefile. CoreDNS may not function properly if it is not present in the corefile.
SevUnsupported = "unsupported" // the plugin/option is not supported by the migration tool

// The following statuses are used for selecting/filtering notifications
SevAll = "all" // show all statuses
)
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==========
The common/types/pb/equal.go modification of proto.Equal logic
==========
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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL string `json:"url,omitempty"`
}

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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==========

The common/types/pb/equal.go modification of proto.Equal logic

==========

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package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
 Plugin     string
 Option     string
 Severity   string // 'deprecated', 'removed', or 'unsupported'
 ReplacedBy string
 Additional string
 Version    string
}

func (n *Notice) ToString() string {
 s := ""
 if n.Option == "" {
  s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
 } else {
  s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
 }
 if n.Severity == SevUnsupported {
  s += "is unsupported by this migration tool in " + n.Version + "."
 } else if n.Severity == SevNewDefault {
  s += "is added as a default in " + n.Version + "."
 } else {
  s += "is " + n.Severity + " in " + n.Version + "."
 }
 if n.ReplacedBy != "" {
  s += fmt.Sprintf(` It is replaced by "%v".`, n.ReplacedBy)
 }
 if n.Additional != "" {
  s += " " + n.Additional
 }
 return s
}
```

```
const (
 // The following statuses are used to indicate the state of support/deprecation in a given release.
 SevDeprecated  = "deprecated"
  // deprecated, but still completely functional
 SevIgnored     = "ignored"     // if included in the corefile, it will be ignored by CoreDNS
 SevRemoved     = "removed"     // completely removed from CoreDNS, and would cause CoreDNS to exit if present in the Corefile
 SevNewDefault  = "newdefault"  // added to the default corefile.  CoreDNS may not function properly if it is not present in the corefile.
 SevUnsupported = "unsupported" // the plugin/option is not supported by the migration tool

 // The following statuses are used for selecting/filtering notifications
 SevAll = "all" // show all statuses
)
```

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==========
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//
// For more information: http://goo.gl/8us55a#licenseObject
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 Name string `json:"name,omitempty"`
 URL string `json:"url,omitempty"`
}

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==========

The common/types/pb/equal.go modification of proto.Equal logic

==========

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package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
 Plugin     string
 Option     string
 Severity   string // 'deprecated', 'removed', or 'unsupported'
 ReplacedBy string
 Additional string
 Version    string
}

func (n *Notice) ToString() string {
 s := ""
 if n.Option == "" {
  s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
 } else {
  s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
 }
 if n.Severity == SevUnsupported {
  s += "is unsupported by this migration tool in " + n.Version + "."
 } else if n.Severity == SevNewDefault {
  s += "is added as a default in " + n.Version + "."
 } else {
  s += "is " + n.Severity + " in " + n.Version + "."
 }
 if n.ReplacedBy != "" {
  s += fmt.Sprintf(` It is replaced by "%v".`, n.ReplacedBy)
 }
 if n.Additional != "" {
  s += " " + n.Additional
 }
 return s
}
```

```
const (
 // The following statuses are used to indicate the state of support/deprecation in a given release.
 SevDeprecated  = "deprecated"
  // deprecated, but still completely functional
 SevIgnored     = "ignored"     // if included in the corefile, it will be ignored by CoreDNS
 SevRemoved     = "removed"     // completely removed from CoreDNS, and would cause CoreDNS to exit if present in the Corefile
 SevNewDefault  = "newdefault"  // added to the default corefile.  CoreDNS may not function properly if it is not present in the corefile.
 SevUnsupported = "unsupported" // the plugin/option is not supported by the migration tool

 // The following statuses are used for selecting/filtering notifications
 SevAll = "all" // show all statuses
)
```

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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL  string `json:"url,omitempty"`
}
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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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==========

The common/types/pb/equal.go modification of proto.Equal logic

==========

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package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
 Plugin     string
 Option     string
 Severity   string // 'deprecated', 'removed', or 'unsupported'
 ReplacedBy string
 Additional string
 Version    string
}

func (n *Notice) ToString() string {
 s := ""
 if n.Option == "" {
  s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
 } else {
  s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
 }
 if n.Severity == SevUnsupported {
  s += "is unsupported by this migration tool in " + n.Version + "."
 } else if n.Severity == SevNewDefault {
  s += "is added as a default in " + n.Version + "."
 } else {
  s += "is " + n.Severity + " in " + n.Version + "."
 }
 if n.ReplacedBy != "" {
  s += fmt.Sprintf(` It is replaced by "%v".`, n.ReplacedBy)
 }
 if n.Additional != "" {
  s += " " + n.Additional
 }
 return s
}
```

```
const (
 // The following statuses are used to indicate the state of support/deprecation in a given release.
 SevDeprecated  = "deprecated"
  // deprecated, but still completely functional
 SevIgnored     = "ignored"     // if included in the corefile, it will be ignored by CoreDNS
 SevRemoved     = "removed"     // completely removed from CoreDNS, and would cause CoreDNS to exit if present in the Corefile
 SevNewDefault  = "newdefault"  // added to the default corefile.  CoreDNS may not function properly if it is not present in the corefile.
 SevUnsupported = "unsupported" // the plugin/option is not supported by the migration tool

 // The following statuses are used for selecting/filtering notifications
 SevAll = "all" // show all statuses
)
```

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==========
The common/types/pb/equal.go modification of proto.Equal logic
==========
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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL  string `json:"url,omitempty"`
}
```

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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==========

The common/types/pb/equal.go modification of proto.Equal logic

==========

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package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
 Plugin     string
 Option     string
 Severity   string // 'deprecated', 'removed', or 'unsupported'
 ReplacedBy string
 Additional string
 Version    string
}

func (n *Notice) ToString() string {
 s := ""
 if n.Option == "" {
  s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
 } else {
  s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
 }
 if n.Severity == SevUnsupported {
  s += "is unsupported by this migration tool in " + n.Version + "."
 } else if n.Severity == SevNewDefault {
  s += "is added as a default in " + n.Version + "."
 } else {
  s += "is " + n.Severity + " in " + n.Version + "."
 }
 if n.ReplacedBy != "" {
  s += fmt.Sprintf(` It is replaced by "%v".`, n.ReplacedBy)
 }
 if n.Additional != "" {
  s += " " + n.Additional
 }
 return s
}
```

```
const (
 // The following statuses are used to indicate the state of support/deprecation in a given release.
 SevDeprecated  = "deprecated"
  // deprecated, but still completely functional
 SevIgnored     = "ignored"     // if included in the corefile, it will be ignored by CoreDNS
 SevRemoved     = "removed"     // completely removed from CoreDNS, and would cause CoreDNS to exit if present in the Corefile
 SevNewDefault  = "newdefault"  // added to the default corefile.  CoreDNS may not function properly if it is not present in the corefile.
 SevUnsupported = "unsupported" // the plugin/option is not supported by the migration tool

 // The following statuses are used for selecting/filtering notifications
 SevAll = "all" // show all statuses
)
```

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==========
The common/types/pb/equal.go modification of proto.Equal logic
==========
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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL string `json:"url,omitempty"`
}

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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==========

The common/types/pb/equal.go modification of proto.Equal logic

==========

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package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
 Plugin     string
 Option     string
 Severity   string // 'deprecated', 'removed', or 'unsupported'
 ReplacedBy string
 Additional string
 Version    string
}

func (n *Notice) ToString() string {
 s := ""
 if n.Option == "" {
  s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
 } else {
  s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
 }
 if n.Severity == SevUnsupported {
  s += "is unsupported by this migration tool in " + n.Version + "."
 } else if n.Severity == SevNewDefault {
  s += "is added as a default in " + n.Version + "."
 } else {
  s += "is " + n.Severity + " in " + n.Version + "."
 }
 if n.ReplacedBy != "" {
  s += fmt.Sprintf(` It is replaced by "%v".`, n.ReplacedBy)
 }
 if n.Additional != "" {
  s += " " + n.Additional
 }
 return s
}

const (
 // The following statuses are used to indicate the state of support/deprecation in a given release.
 SevDeprecated  = "deprecated"
```

// deprecated, but still completely functional
SevIgnored = "ignored" // if included in the corefile, it will be ignored by CoreDNS
SevRemoved = "removed" // completely removed from CoreDNS, and would cause CoreDNS to exit if present in the Corefile
SevNewDefault = "newdefault" // added to the default corefile. CoreDNS may not function properly if it is not present in the corefile.
SevUnsupported = "unsupported" // the plugin/option is not supported by the migration tool

// The following statuses are used for selecting/filtering notifications
SevAll = "all" // show all statuses
)
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Feb, 2010

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==========
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==========
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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL  string `json:"url,omitempty"`
}
```

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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==========

The common/types/pb/equal.go modification of proto.Equal logic

==========

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package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
 Plugin     string
 Option     string
 Severity   string // 'deprecated', 'removed', or 'unsupported'
 ReplacedBy string
 Additional string
 Version    string
}

func (n *Notice) ToString() string {
 s := ""
 if n.Option == "" {
  s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
 } else {
  s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
 }
 if n.Severity == SevUnsupported {
  s += "is unsupported by this migration tool in " + n.Version + "."
 } else if n.Severity == SevNewDefault {
  s += "is added as a default in " + n.Version + "."
 } else {
  s += "is " + n.Severity + " in " + n.Version + "."
 }
 if n.ReplacedBy != "" {
  s += fmt.Sprintf(` It is replaced by "%v".`, n.ReplacedBy)
 }
 if n.Additional != "" {
  s += " " + n.Additional
 }
 return s
}

const (
 // The following statuses are used to indicate the state of support/deprecation in a given release.
 SevDeprecated  = "deprecated"
```

// deprecated, but still completely functional
SevIgnored = "ignored" // if included in the corefile, it will be ignored by CoreDNS
SevRemoved = "removed" // completely removed from CoreDNS, and would cause CoreDNS to exit if present in the Corefile
SevNewDefault = "newdefault" // added to the default corefile. CoreDNS may not function properly if it is not present in the corefile.
SevUnsupported = "unsupported" // the plugin/option is not supported by the migration tool

// The following statuses are used for selecting/filtering notifications
SevAll = "all" // show all statuses
)
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==========
The common/types/pb/equal.go modification of proto.Equal logic
==========
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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL string `json:"url,omitempty"`
}

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==========

The common/types/pb/equal.go modification of proto.Equal logic

==========

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```
package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
 Plugin     string
 Option     string
 Severity   string // 'deprecated', 'removed', or 'unsupported'
 ReplacedBy string
 Additional string
```

```
 Version    string
}

func (n *Notice) ToString() string {
 s := ""
 if n.Option == "" {
  s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
 } else {
  s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
 }
 if n.Severity == SevUnsupported {
  s += "is unsupported by this migration tool in " + n.Version + "."
 } else if n.Severity == SevNewDefault {
  s += "is added as a default in " + n.Version + "."
 } else {
  s += "is " + n.Severity + " in " + n.Version + "."
 }
 if n.ReplacedBy != "" {
  s += fmt.Sprintf(` It is replaced by "%v".`, n.ReplacedBy)
 }
 if n.Additional != "" {
  s += " " + n.Additional
 }
 return s
}

const (
 // The following statuses are used to indicate the state of support/deprecation in a given release.
 SevDeprecated  = "deprecated"
  // deprecated, but still completely functional
 SevIgnored     = "ignored"     // if included in the corefile, it will be ignored by CoreDNS
 SevRemoved     = "removed"     // completely removed from CoreDNS, and would cause CoreDNS to exit if present
in the Corefile
 SevNewDefault  = "newdefault"  // added to the default corefile.  CoreDNS may not function properly if it is not
present in the corefile.
 SevUnsupported = "unsupported" // the plugin/option is not supported by the migration tool

 // The following statuses are used for selecting/filtering notifications
 SevAll = "all" // show all statuses
)
```

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==========
The common/types/pb/equal.go modification of proto.Equal logic
==========
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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL string `json:"url,omitempty"`
}
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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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==========
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```
package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
 Plugin     string
 Option     string
 Severity   string // 'deprecated', 'removed', or 'unsupported'
 ReplacedBy string
 Additional string
 Version    string
}

func (n *Notice) ToString() string {
 s := ""
 if n.Option == "" {
```

```
 s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
 } else {
 s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
 }
 if n.Severity == SevUnsupported {
 s += "is unsupported by this migration tool in " + n.Version + "."
 } else if n.Severity == SevNewDefault {
 s += "is added as a default in " + n.Version + "."
 } else {
 s += "is " + n.Severity + " in " + n.Version + "."
 }
 if n.ReplacedBy != "" {
 s += fmt.Sprintf(` It is replaced by "%v".`, n.ReplacedBy)
 }
 if n.Additional != "" {
 s += " " + n.Additional
 }
 return s
}

const (
 // The following statuses are used to indicate the state of support/deprecation in a given release.
 SevDeprecated  = "deprecated"
  // deprecated, but still completely functional
 SevIgnored     = "ignored"     // if included in the corefile, it will be ignored by CoreDNS
 SevRemoved     = "removed"     // completely removed from CoreDNS, and would cause CoreDNS to exit if present
in the Corefile
 SevNewDefault  = "newdefault"  // added to the default corefile.  CoreDNS may not function properly if it is not
present in the corefile.
 SevUnsupported = "unsupported" // the plugin/option is not supported by the migration tool

 // The following statuses are used for selecting/filtering notifications
 SevAll = "all" // show all statuses
)
```

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==========
The common/types/pb/equal.go modification of proto.Equal logic
==========
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//
// For more information: http://goo.gl/8us55a#licenseObject
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 Name string `json:"name,omitempty"`
 URL string `json:"url,omitempty"`
}
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metrics from the pseudo-filesystem proc.

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==========
The common/types/pb/equal.go modification of proto.Equal logic
==========
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```
package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
 Plugin     string
 Option     string
 Severity   string // 'deprecated', 'removed', or 'unsupported'
 ReplacedBy string
 Additional string
 Version    string
}

func (n *Notice) ToString() string {
 s := ""
 if n.Option == "" {
  s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
 } else {
  s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
 }
 if n.Severity == SevUnsupported {
  s += "is unsupported by this migration tool in " + n.Version + "."
 } else if n.Severity == SevNewDefault {
  s += "is added as a default in " + n.Version + "."
 } else {
```

```
 s += "is " + n.Severity + " in " + n.Version + "."
 }
 if n.ReplacedBy != "" {
  s += fmt.Sprintf(` It is replaced by "%v".`, n.ReplacedBy)
 }
 if n.Additional != "" {
  s += " " + n.Additional
 }
 return s
}

const (
 // The following statuses are used to indicate the state of support/deprecation in a given release.
 SevDeprecated  = "deprecated"
  // deprecated, but still completely functional
 SevIgnored     = "ignored"     // if included in the corefile, it will be ignored by CoreDNS
 SevRemoved     = "removed"     // completely removed from CoreDNS, and would cause CoreDNS to exit if present
in the Corefile
 SevNewDefault  = "newdefault"  // added to the default corefile.  CoreDNS may not function properly if it is not
present in the corefile.
 SevUnsupported = "unsupported" // the plugin/option is not supported by the migration tool

 // The following statuses are used for selecting/filtering notifications
 SevAll = "all" // show all statuses
)
```

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==========

The common/types/pb/equal.go modification of proto.Equal logic

==========

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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL string `json:"url,omitempty"`
}
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The common/types/pb/equal.go modification of proto.Equal logic
==========
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```
package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
 Plugin     string
 Option     string
 Severity   string // 'deprecated', 'removed', or 'unsupported'
```

```
 ReplacedBy string
 Additional string
 Version    string
}

func (n *Notice) ToString() string {
 s := ""
 if n.Option == "" {
  s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
 } else {
  s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
 }
 if n.Severity == SevUnsupported {
  s += "is unsupported by this migration tool in " + n.Version + "."
 } else if n.Severity == SevNewDefault {
  s += "is added as a default in " + n.Version + "."
 } else {
  s += "is " + n.Severity + " in " + n.Version + "."
 }
 if n.ReplacedBy != "" {
  s += fmt.Sprintf(` It is replaced by "%v".`, n.ReplacedBy)
 }
 if n.Additional != "" {
  s += " " + n.Additional
 }
 return s
}

const (
 // The following statuses are used to indicate the state of support/deprecation in a given release.
 SevDeprecated  = "deprecated"
  // deprecated, but still completely functional
 SevIgnored     = "ignored"     // if included in the corefile, it will be ignored by CoreDNS
 SevRemoved     = "removed"     // completely removed from CoreDNS, and would cause CoreDNS to exit if present
in the Corefile
 SevNewDefault  = "newdefault"  // added to the default corefile.  CoreDNS may not function properly if it is not
present in the corefile.
 SevUnsupported = "unsupported" // the plugin/option is not supported by the migration tool

 // The following statuses are used for selecting/filtering notifications
 SevAll = "all" // show all statuses
)
```

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==========
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 Name string `json:"name,omitempty"`
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}
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Protocol Buffers for Go with Gadgets

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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==========
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1.8722 kubernetes-apimachinery v0.0.0

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procfs provides functions to retrieve system, kernel and process
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// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL string `json:"url,omitempty"`
}
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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL  string `json:"url,omitempty"`
}
```

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procfs provides functions to retrieve system, kernel and process
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// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL string `json:"url,omitempty"`
}
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1.8733 kubernetes-metrics v1.35.0

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1.8735 zap-exp 1.19.1

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- javaee_web_services_1_3.xsd
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- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd

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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL  string `json:"url,omitempty"`
}
```

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package spec

import (
 "encoding/json"

 "github.com/go-openapi/swag"
)

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 LicenseProps
 VendorExtensible
}

// LicenseProps holds the properties of a License object
type LicenseProps struct {
 Name string `json:"name,omitempty"`
 URL  string `json:"url,omitempty"`
}

// UnmarshalJSON
 hydrates License from json
func (l *License) UnmarshalJSON(data []byte) error {
 if err := json.Unmarshal(data, &l.LicenseProps); err != nil {
  return err
 }
 return json.Unmarshal(data, &l.VendorExtensible)
}
```

```
// MarshalJSON produces License as json
func (l License) MarshalJSON() ([]byte, error) {
 b1, err := json.Marshal(l.LicenseProps)
 if err != nil {
  return nil, err
 }
 b2, err := json.Marshal(l.VendorExtensible)
 if err != nil {
  return nil, err
 }
 return swag.ConcatJSON(b1, b2), nil
}
```

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Go support for Protocol Buffers - Google's data interchange format

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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Pull Request Process

1. Create an [issue](https://github.com/sigstore/rekor/issues)
  outlining the fix or feature.

2. Fork the rekor repository to your own github account and clone it locally.
3. Hack on your changes.
4. Update the README.md with details of changes to any interface, this includes new environment variables, exposed ports, useful file locations, CLI parameters and new or changed configuration values.
5. Correctly format your commit message see [Commit Messages](#Commit Message Guidelines) below.
6. Ensure that CI passes, if it fails, fix the failures.
7. Every pull request requires a review from the [core rekor team](https://github.com/orgs/github.com/sigstore/teams/core-team) before merging.
8. If your pull request consists of more than one commit, please squash your commits as described in [Squash Commits](#Squash Commits)

Commit Message Guidelines

We follow the commit formatting recommendations found on [Chris Beams' How to Write a Git Commit Message article]((https://chris.beams.io/posts/git-commit/).

Well formed commit messages not only help reviewers understand the nature of the Pull Request, but also assists the release process where commit messages are used to generate release notes.

A good example of a commit message would be as follows:

```
Summarize changes in around 50 characters or less

More detailed explanatory text, if necessary. Wrap it to about 72
characters or so. In some contexts, the first line is treated as the
subject of the commit and the rest of the text as the body. The
blank line separating the summary from the body is critical (unless
you omit the body entirely); various tools like `log`, `shortlog`
and `rebase` can get confused if you run the two together.

Explain the problem that this commit is solving. Focus on why you
are making this
 change as opposed to how (the code explains that).
Are there side effects or other unintuitive consequences of this
change? Here's the place to explain them.

Further paragraphs come after blank lines.

- Bullet points are okay, too

- Typically a hyphen or asterisk is used for the bullet, preceded
  by a single space, with blank lines in between, but conventions
```

vary here

If you use an issue tracker, put references to them at the bottom,
like this:

Resolves: #123
See also: #456, #789
```

Note the `Resolves #123` tag, this references the issue raised and allows us to
ensure issues are associated and closed when a pull request is merged.

Please refer to [the github help page on message types](https://help.github.com/articles/closing-issues-using-keywords/)
for a complete list of issue references.

## Squash Commits

Should your pull request consist of more than one commit (perhaps due to
a change being requested during the review cycle), please perform a git squash
once a reviewer
has approved your pull request.

A squash can be performed as follows. Let's say you have the following commits:

```
initial commit
second commit
final commit
```

Run the command below with the number set to the total commits you wish to
squash (in our case 3 commits):

```
git rebase -i HEAD~3
```

You default text editor will then open up and you will see the following::

```
pick eb36612 initial commit
pick 9ac8968 second commit
pick a760569 final commit

# Rebase eb1429f..a760569 onto eb1429f (3 commands)
```

We want to rebase on top of our first commit, so we change the other two commits
to `squash`:

```
pick eb36612 initial commit
squash 9ac8968 second commit
squash a760569 final commit
```
```

After this, should you wish to update your commit message to better summarise
all of your pull request, run:

```
git commit --amend
```

You will then need to force push (assuming your initial commit(s) were posted
to github):

```
git push origin your-branch --force
```

Alternatively,
a core member can squash your commits within Github.
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```
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package github

import (
 "context"
 "fmt"
)

// LicensesService handles communication with the license related
// methods of the GitHub API.
//
// GitHub API docs: https://docs.github.com/rest/licenses/
type LicensesService service

// RepositoryLicense represents the license for a repository.
type RepositoryLicense struct {
 Name *string `json:"name,omitempty"`
 Path *string `json:"path,omitempty"`

 SHA         *string  `json:"sha,omitempty"`
 Size        *int     `json:"size,omitempty"`
 URL         *string  `json:"url,omitempty"`
 HTMLURL     *string  `json:"html_url,omitempty"`
 GitURL      *string  `json:"git_url,omitempty"`
 DownloadURL *string  `json:"download_url,omitempty"`
 Type        *string  `json:"type,omitempty"`
 Content     *string  `json:"content,omitempty"`
 Encoding    *string  `json:"encoding,omitempty"`
```

```
 License
     *License `json:"license,omitempty"`
}

func (l RepositoryLicense) String() string {
 return Stringify(l)
}

// License represents an open source license.
type License struct {
 Key  *string `json:"key,omitempty"`
 Name *string `json:"name,omitempty"`
 URL  *string `json:"url,omitempty"`

 SPDXID        *string   `json:"spdx_id,omitempty"`
 HTMLURL       *string   `json:"html_url,omitempty"`
 Featured      *bool     `json:"featured,omitempty"`
 Description   *string   `json:"description,omitempty"`
 Implementation *string  `json:"implementation,omitempty"`
 Permissions   *[]string `json:"permissions,omitempty"`
 Conditions    *[]string `json:"conditions,omitempty"`
 Limitations   *[]string `json:"limitations,omitempty"`
 Body          *string   `json:"body,omitempty"`
}

func (l License) String() string {
 return Stringify(l)
}

// List popular open source licenses.
//
// GitHub API docs: https://docs.github.com/rest/licenses/licenses#get-all-commonly-used-licenses
//
//meta:operation
 GET /licenses
func (s *LicensesService) List(ctx context.Context) ([]*License, *Response, error) {
 req, err := s.client.NewRequest("GET", "licenses", nil)
 if err != nil {
  return nil, nil, err
 }

 var licenses []*License
 resp, err := s.client.Do(ctx, req, &licenses)
 if err != nil {
  return nil, resp, err
 }

 return licenses, resp, nil
```

```
}

// Get extended metadata for one license.
//
// GitHub API docs: https://docs.github.com/rest/licenses/licenses#get-a-license
//
//meta:operation GET /licenses/{license}
func (s *LicensesService) Get(ctx context.Context, licenseName string) (*License, *Response, error) {
 u := fmt.Sprintf("licenses/%s", licenseName)

 req, err := s.client.NewRequest("GET", u, nil)
 if err != nil {
  return nil, nil, err
 }

 license := new(License)
 resp, err := s.client.Do(ctx, req, license)
 if err != nil {
  return nil, resp, err
 }

 return license, resp, nil
}
```

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1.8744 kubernetes-csi-translation v0.0.0

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1.8745 kubernetes-csi-api v0.0.0

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package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
 Plugin     string
 Option     string
 Severity   string // 'deprecated', 'removed', or 'unsupported'
 ReplacedBy string
 Additional string
 Version    string
}

func (n *Notice) ToString() string {
 s := ""
 if n.Option == "" {
  s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
 } else {
  s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
 }
 if n.Severity == SevUnsupported {
  s += "is unsupported by this migration tool in " + n.Version + "."
 } else if n.Severity == SevNewDefault {
  s += "is added as a default in " + n.Version + "."
 } else {
  s += "is " + n.Severity + " in " + n.Version + "."
 }
 if n.ReplacedBy != "" {
  s += fmt.Sprintf(` It is replaced by "%v".`, n.ReplacedBy)
 }
 if n.Additional != "" {
  s += " " + n.Additional
 }
 return s
}
```

```
const (
 // The following statuses are used to indicate the state of support/deprecation in a given release.
 SevDeprecated  = "deprecated"
  // deprecated, but still completely functional
 SevIgnored     = "ignored"     // if included in the corefile, it will be ignored by CoreDNS
 SevRemoved     = "removed"     // completely removed from CoreDNS, and would cause CoreDNS to exit if present in the Corefile
 SevNewDefault  = "newdefault"  // added to the default corefile.  CoreDNS may not function properly if it is not present in the corefile.
 SevUnsupported = "unsupported" // the plugin/option is not supported by the migration tool

 // The following statuses are used for selecting/filtering notifications
 SevAll = "all" // show all statuses
)
```

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==========
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// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL string `json:"url,omitempty"`
}

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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https://github.com/golang/protobuf

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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==========

The common/types/pb/equal.go modification of proto.Equal logic

==========

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package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
 Plugin     string
 Option     string
 Severity   string // 'deprecated', 'removed', or 'unsupported'
 ReplacedBy string
 Additional string
 Version    string
}

func (n *Notice) ToString() string {
 s := ""
 if n.Option == "" {
  s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
 } else {
  s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
 }
 if n.Severity == SevUnsupported {
  s += "is unsupported by this migration tool in " + n.Version + "."
 } else if n.Severity == SevNewDefault {
  s += "is added as a default in " + n.Version + "."
 } else {
  s += "is " + n.Severity + " in " + n.Version + "."
 }
 if n.ReplacedBy != "" {
  s += fmt.Sprintf(` It is replaced by "%v".`, n.ReplacedBy)
 }
 if n.Additional != "" {
  s += " " + n.Additional
 }
 return s
}
```

```
const (
 // The following statuses are used to indicate the state of support/deprecation in a given release.
 SevDeprecated  = "deprecated"
  // deprecated, but still completely functional
 SevIgnored     = "ignored"     // if included in the corefile, it will be ignored by CoreDNS
 SevRemoved     = "removed"     // completely removed from CoreDNS, and would cause CoreDNS to exit if present in the Corefile
 SevNewDefault  = "newdefault"  // added to the default corefile.  CoreDNS may not function properly if it is not present in the corefile.
 SevUnsupported = "unsupported" // the plugin/option is not supported by the migration tool

 // The following statuses are used for selecting/filtering notifications
 SevAll = "all" // show all statuses
)
```

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==========
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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL string `json:"url,omitempty"`
}

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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==========

The common/types/pb/equal.go modification of proto.Equal logic

==========

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1.8748 hugo 1.31.5-r3

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title: BSD
description: Install Hugo on BSD derivatives.
categories: []
keywords: []
weight: 40
---

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{{% include "/_common/installation/01-editions.md" %}}

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{{% include "/_common/installation/02-prerequisites.md" %}}

{{% include "/_common/installation/03-prebuilt-binaries.md" %}}
```

Repository packages

Most BSD derivatives maintain a repository for commonly installed applications. Please note that these repositories may not contain the [latest release].

[latest release]: https://github.com/gohugoio/hugo/releases/latest

DragonFly BSD

[DragonFly BSD] includes Hugo in its package repository. To install the extended edition of Hugo:

```sh
sudo pkg install gohugo
```

[DragonFly BSD]: https://www.dragonflybsd.org/

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```

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```sh
sudo pkgin install go-hugo
```

[NetBSD]: https://www.netbsd.org/

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[OpenBSD] includes Hugo in its package repository. This will prompt you to select which edition of Hugo to install:

```sh
doas pkg_add hugo
```

[OpenBSD]: https://www.openbsd.org/

{{% include "/_common/installation/04-build-from-source.md" %}}

Comparison

	Prebuilt binaries	Repository packages	Build from source
Easy to install?	:heavy_check_mark:	:heavy_check_mark:	:heavy_check_mark:
Easy to upgrade?	:heavy_check_mark:	varies	:heavy_check_mark:
Easy to downgrade?	:heavy_check_mark:	varies	:heavy_check_mark:
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categories: []
keywords: []
params:
 functions_and_methods:
   returnType: string
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copyright = ' 2023 ABC Widgets, Inc.'
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"Updates" shall mean a release or version of the Licensed Software containing bug fixes, error corrections and other changes that are generally made available to users of the Licensed Software that have contracted for Support. Updates are generally depicted as a change to the digits following the decimal in the Licensed Software version number. The Qt Company shall make Updates available to the Licensee under the Support. Updates shall be considered as part of the Licensed Software hereunder.

"Upgrades" shall mean a release or version of the Licensed Software containing enhancements and new features and are generally depicted as a change to the first digit of the Licensed Software version number. In the event Upgrades are provided to the Licensee under this Agreement, they shall be considered as part of the Licensed Software hereunder.

2. OWNERSHIP

2.1. Ownership of The Qt Company

The Licensed Software is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The Licensed Software is licensed, not sold.

All of The Qt Company's Intellectual Property Rights are and shall remain the exclusive property of The Qt Company or its licensors respectively. No rights to The Qt Company's Intellectual Property Rights are assigned or granted to Licensee under this Agreement, except when and to the extent expressly specified herein.

2.2. Ownership of Licensee

All the Licensee's Intellectual Property Rights are and shall remain the exclusive property of the Licensee or its licensors respectively.

All Intellectual Property Rights to the Modified Software, Applications and Devices shall remain with the Licensee and no rights thereto shall be granted by the Licensee to The Qt Company under this Agreement (except as set forth in Section 2.3 below).

2.3. Modified Software

Licensee may create bug-fixes, error corrections, patches or modifications to the Licensed Software ("Modified Software"). Such Modified Software may break the source or binary compatibility with the Licensed Software (including without limitation through changing the application programming interfaces ("API") or by adding, changing or deleting any variable, method, or class signature in the Licensed Software and/or any inter-process protocols, services or standards in the Licensed Software libraries). To the extent that Licensee's Modified Software so breaks source or binary compatibility with the Licensed Software, Licensee acknowledges that The Qt Company's ability to provide Support may be prevented or limited and Licensee's ability to make use of Updates may be restricted.

Licensee may, at its sole and absolute discretion, choose to submit Modified Software to The Qt Company ("Submitted Modified Software") in connection with Licensee's Support request, service request or otherwise. In the event Licensee does so, then, Licensee hereby grants The Qt Company a sublicensable, assignable, irrevocable, perpetual, worldwide, non-exclusive, royalty-free and fully paid-up license, under all of Licensee's Intellectual Property Rights, to reproduce, adapt, translate, modify, and prepare derivative works of, publicly display, publicly perform, sublicense, make available and distribute such Submitted Modified Software as The Qt Company sees fit at its free and absolute discretion.

3. LICENSES GRANTED

3.1. Development with Licensed Software

Subject to the terms of this Agreement, The Qt Company grants to Licensee a worldwide, non-exclusive, non-transferable license, valid for each Development License Term, to use, modify and copy the Licensed Software by Designated Users on the Development Platforms for the sole purposes of designing, developing, demonstrating and testing Application(s) and/or Devices, and to provide thereto related support and other related services to Customers. Each Application and/or Device can only include, incorporate or integrate contributions by such Designated Users who are duly licensed for the applicable Development Platform(s) and Deployment Platform(s) (i.e have a valid license for the appropriate Licensed Software product).

Licensee may install copies of the Licensed Software on five (5) computers per Designated User, provided that only the Designated Users who have a valid Development License may use the Licensed Software.

Licensee may at any time designate another Designated User to replace a then-current Designated User by notifying The Qt Company in writing, where such replacement is due to termination of employment, change of job duties, long time absence or other such permanent reason affecting Designated User's need for Licensed Software.

Upon expiry of the initially agreed Development License Term, the respective Development License Term shall be automatically extended to one or more Renewal Term(s), unless and until either Party notifies the other Party in writing, or any other method acceptable to The Qt Company (it being specifically acknowledged and understood that verbal notification is explicitly deemed inadequate in all circumstances), that it does not wish to continue the Development License Term, such notification to be provided to the other Party no less than thirty (30) days before expiry of the respective Development License Term. The Qt Company shall, in good time before the due date for the above notification, remind the Licensee on the coming Renewal Term. Unless otherwise agreed between the Parties, Renewal Term shall be 12 months.

Any such Renewal Term shall be subject to License Fees agreed between the Parties or, if no advance agreement exists, subject to The Qt Company's standard list pricing applicable at the commencement date of any such Renewal Term.

The Qt Company may either request the Licensee to place a purchase order corresponding to a quote by The Qt Company, or use Licensee's stored Credit Card information in the Qt Account to automatically charge the Licensee for the

relevant Renewal Term.

3.2. Distribution of Applications

Subject to the terms of this Agreement, The Qt Company grants to Licensee a worldwide, non-exclusive, non-transferable, revocable (for cause pursuant to this Agreement), right and license, valid for the Agreement Term, to

(i) distribute, by itself or through its Contractors, Redistributables as installed, incorporated or integrated into Applications for execution on the Deployment Platforms, and

(ii) grant perpetual and irrevocable sublicenses to Redistributables, as distributed hereunder, for Customers solely to the extent necessary in order for the Customers to use the Applications for their respective intended purposes.

Right to distribute the Redistributables as part of an Application as provided herein is not royalty-bearing but is conditional upon the Application having been created, updated and maintained under a valid and duly paid Development Licenses.

3.3. Distribution of Devices

Subject to the terms of this Agreement, The Qt Company grants to Licensee a worldwide, non-exclusive, non-transferable, revocable (for cause pursuant to this Agreement), right and license, valid for the Agreement Term, to

(i) distribute, by itself or through one or more tiers of Contractors, Redistributables as installed, incorporated or integrated, or intended to be installed, incorporated or integrated into Devices for execution on the Deployment Platforms, and

(ii) grant perpetual and irrevocable sublicenses to Redistributables, as distributed hereunder, for Customers solely to the extent necessary in order for the Customers to use the Devices for their respective intended purposes.

Right to distribute the Devices as provided herein is conditional upon

(i) the Devices having been created, updated and maintained under a valid and duly paid Development Licenses, and

(ii) the Licensee having acquired corresponding Distribution Licenses at the time of distribution of any Devices to Customers.

3.4. Further Requirements

The licenses granted above in this Section 3 by The Qt Company to Licensee are conditional and subject to Licensee's compliance with the following terms:

(i) Licensee acknowledges that The Qt Company has separate products of Licensed Software for the purpose of Applications and Devices

respectively, where development and distribution of Devices is only allowed using the correct designated product. Licensee shall make sure and bear the burden of proof that Licensee is using a correct product

of Licensed Software entitling Licensee to development and distribution of Devices;

(ii) Licensee shall not remove or alter any copyright, trademark or other proprietary rights notice(s) contained in any portion of the Licensed Software;

(iii) Applications must add primary and substantial functionality to the Licensed Software so as not to compete with the Licensed Software;

(iv) Applications may not pass on functionality which in any way makes it possible for others to create software with the Licensed Software; provided however that Licensee may use the Licensed Software's scripting and QML ("Qt Quick") functionality solely in order to enable scripting, themes and styles that augment the functionality and appearance of the Application(s) without adding primary and substantial functionality to the Application(s);

(v) Licensee shall not use Licensed Software in any manner or for any

purpose that infringes, misappropriates or otherwise violates any Intellectual property or right of any third party, or that violates any applicable law;

(vi) Licensee shall not use The Qt Company's or any of its suppliers' names, logos, or trademarks to market Applications, except that Licensee may use "Built with Qt" logo to indicate that Application(s) or Device(s) was developed using the Licensed Software;

(vii) Licensee shall not distribute, sublicense or disclose source code of Licensed Software to any third party (provided however that Licensee may appoint employee(s) of Contractors and Affiliates as Designated Users to use Licensed Software pursuant to this Agreement). Such right may be available for the Licensee subject to a separate software development kit ("SDK") license agreement to be concluded with The Qt Company;

(viii) Licensee shall not grant the Customers a right to (a) make copies of the Redistributables except when and to the extent required to use the Applications and/or Devices for their intended purpose, (b) modify the Redistributables or create derivative works thereof, (c) decompile, disassemble or otherwise reverse engineer Redistributables, or (d) redistribute any copy or portion of the Redistributables to any third party, except as part of the onward sale of the Application or Device on which the Redistributables are installed;

(ix) Licensee shall not and shall cause that its Affiliates or Contractors shall not use Licensed Software in any Prohibited Combination, unless Licensee has received an advance written permission from The Qt Company to do so. Absent such written permission, any and all distribution by the Licensee during the Agreement Term of a hardware device or product

a) which incorporate or integrate any part of Licensed Software or Open Source Qt; or b) where substantial functionality is provided by software built with Licensed Software or Open Source Qt or otherwise depends on the Licensed Software or Open Source Qt, shall be considered to be Device distribution under this Agreement and shall be dependent on Licensee's compliance thereof (including but not limited to obligation to pay applicable License Fees for such distribution). Notwithstanding what is provided above in this sub-section (ix), Licensee is entitled to use and combine Licensed Software with any Permitted Software;

(x) Licensee shall cause all of its Affiliates, Contractors and Customers entitled to make use of the licenses granted under this Agreement, to be contractually bound to comply with the relevant terms of this Agreement and not to use the Licensed Software beyond the terms hereof and for any purposes other than operating within the scope of their services for Licensee. Licensee shall be responsible for any and all actions and omissions of its Affiliates and Contractors relating to the Licensed Software and use thereof (including but not limited to payment of all applicable License Fees);

(xi) Except when and to the extent explicitly provided in this Section 3, Licensee shall not transfer, publish, disclose, display or otherwise make available the Licensed Software; and

(xii) Licensee shall not attempt or enlist a third party to conduct or attempt to conduct any of the above.

Above terms shall not be applicable if and to the extent they conflict with any mandatory provisions of any applicable laws.

Any use of Licensed Software beyond the provisions of this Agreement is strictly prohibited and requires an additional license from The Qt Company.

3.5 QA Tools License

Subject to the terms of this Agreement, The Qt Company grants to Licensee a worldwide, non-exclusive, non-transferable license, valid for the Development License Term, to use the QA Tools for Licensee's internal business purposes in the manner provided below and in Appendix 1 hereto.

Licensee may modify the QA Tools except for altering or removing any details of ownership, copyright, trademark or other property right connected with the QA Tools.

Licensee shall not distribute the QA Tools or any part thereof, modified or unmodified, separately or as part of any software package, Application or Device.

Upon expiry of the initially agreed Development License Term, the respective Development License Term shall be automatically extended to one or more Renewal Term(s), unless and until either Party notifies the other Party in writing, or any other method acceptable to The Qt Company (it being specifically acknowledged and understood that verbal notification is explicitly deemed inadequate in all circumstances), that it does not wish to continue the Development License
Term, such notification to be provided to the other Party
no less than thirty (30) days before expiry of the respective Development License Term. The Qt Company shall, in good time before the due date for the above notification, remind the Licensee on the coming Renewal Term. Unless otherwise agreed between the Parties, Renewal Term shall be 12 months.

Any such Renewal Term shall be subject to License Fees agreed between the Parties or, if no advance agreement exists, subject to The Qt Company's standard list pricing applicable at the commencement date of any such Renewal Term.

3.6 Evaluation License

Subject to the terms of this Agreement, The Qt Company grants to Licensee a worldwide, non-exclusive, non-transferable license, valid for the Evaluation License Term to use the Licensed Software solely for the Licensee's internal use to evaluate and determine whether the Licensed Software meets Licensee's business requirements, specifically excluding any commercial use of the Licensed
Software or any derived work thereof.

Upon the expiry of the Evaluation License Term, Licensee must either discontinue use of the relevant Licensed Software or acquire a commercial Development License or QA Tools License specified herein.

4. THIRD-PARTY SOFTWARE

The Licensed Software may provide links or access to third party libraries or code (collectively "Third-Party Software") to implement various functions. Third-Party Software does not, however, comprise part of the Licensed Software, but is provided to Licensee complimentary and use thereof is discretionary for the Licensee. Third-Party Software will be listed in the ".../src/3rdparty" source tree delivered with the Licensed Software or documented in the Licensed Software, as such may be amended from time to time. Licensee acknowledges that use or distribution of Third-Party Software is in all respects subject to applicable license terms of applicable third-party right holders.

5. PRE-RELEASE CODE

The Licensed Software

may contain pre-release code and functionality, or sample code marked or otherwise stated with appropriate designation such as "Technology Preview", "Alpha", "Beta", "Sample", "Example" etc. ("Pre-Release Code").

Such Pre-Release Code may be present complimentary for the Licensee, in order to provide experimental support or information for new platforms or preliminary versions of one or more new functionalities or for other similar reasons. The Pre-Release Code may not be at the level of performance and compatibility of a final, generally available, product offering. The Pre-Release Code may not operate correctly, may contain errors and may be substantially modified by The Qt Company prior to the first commercial product release, if any. The Qt Company is under no obligation to make Pre-Release Code commercially available, or provide any Support or Updates relating thereto. The Qt Company assumes no liability whatsoever regarding any Pre-Release Code, but any use thereof is exclusively at Licensee's own risk and expense.

For clarity, unless Licensed Software specifies different license terms for the respective Pre-Release Code, the Licensee is entitled to use such pre-release code pursuant to Section 3, just like other Licensed Software.

6. LIMITED WARRANTY AND WARRANTY DISCLAIMER

The Qt Company hereby represents and warrants that (i) it has the power and authority to grant the rights and licenses granted to Licensee under this Agreement, and (ii) Licensed Software will operate materially in accordance with its specifications.

Except as set forth above, the Licensed Software is licensed to Licensee "as is" and Licensee's exclusive remedy and The Qt Company's entire liability for errors in the Licensed Software shall be limited, at The Qt Company's option, to correction of the error, replacement of the Licensed Software or return of the applicable fees paid for the defective Licensed Software for the time period during which the License is not able to utilize the Licensed Software under the terms of this Agreement.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE QT COMPANY ON BEHALF OF ITSELF AND ITS LICENSORS, SUPPLIERS AND AFFILIATES, DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT WITH REGARD TO THE LICENSED SOFTWARE. THE QT COMPANY DOES NOT WARRANT THAT THE LICENSED SOFTWARE WILL SATISFY LICENSEE'S REQUIREMENTS OR THAT IT WILL OPERATE WITHOUT DEFECT OR ERROR OR THAT THE OPERATION THEREOF WILL BE UNINTERRUPTED.

7. LIMITATION OF LIABILITY

EXCEPT FOR (I) CASES OF GROSS NEGLIGENCE OR INTENTIONAL MISCONDUCT, AND (II) BREACH OF CONFIDENTIALITY, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL EITHER PARTY BE LIABLE TO THE OTHER PARTY FOR ANY LOSS OF PROFIT, LOSS OF DATA, LOSS OF BUSINESS OR GOODWILL OR ANY OTHER INDIRECT, SPECIAL, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE COST, DAMAGES
OR EXPENSE OF ANY KIND,
HOWSOEVER ARISING UNDER OR IN CONNECTION WITH THIS AGREEMENT.

EXCEPT FOR (I) CASES OF GROSS NEGLIGENCE OR INTENTIONAL MISCONDUCT, AND (II) BREACH OF CONFIDENTIALITY, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL EITHER PARTY'S TOTAL AGGREGATE LIABILITY UNDER THIS AGREEMENT EXCEED THE AGGREGATE LICENSE FEES PAID OR PAYABLE TO THE QT COMPANY BY LICENSEE DURING THE DEVELOPMENT LICENSE TERM DURING WHICH THE EVENT RESULTING IN SUCH LIABILITY OCCURRED.

THE PROVISIONS OF THIS SECTION 7 ALLOCATE THE RISKS UNDER THIS AGREEMENT BETWEEN THE QT COMPANY AND LICENSEE AND THE PARTIES HAVE RELIED UPON THE LIMITATIONS SET FORTH HEREIN IN DETERMINING WHETHER TO ENTER INTO THIS AGREEMENT.

NOTWITHSTANDING ANYTHING TO THE CONTRARY IN THIS AGREEMENT, LICENSEE SHALL ALWAYS BE LIABLE TO PAY THE APPLICABLE LICENSE FEES CORRESPONDING TO ITS ACTUAL USE OF LICENSED SOFTWARE.

8. SUPPORT, UPDATES AND ONLINE SERVICES

Upon due payment of the agreed License Fees the Licensee
will be eligible to
receive Support and Updates and to use the Online Services during the agreed Development License Term or other agreed fixed time period. Support is provided according to agreed support level and subject to applicable requirements and restrictions, as specified in the Support Terms.

Unless otherwise decided by The Qt Company at its free and absolute discretion, Upgrades will not be included in the Support but may be available subject to additional fees.

From time to time The Qt Company may change the Support Terms, provided that during the respective ongoing Support period the level of Support may not be reduced without the consent of the Licensee.

Unless otherwise agreed, The Qt Company shall not be responsible for providing any service or support to Customers.

9. CONFIDENTIALITY

Each Party acknowledges that during the Agreement Term each Party may receive information about the other Party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other Party, and the value of which would be significantly reduced if disclosed to third parties ("Confidential Information"). Accordingly, when a Party (the "Receiving Party") receives Confidential Information from the other Party (the "Disclosing Party"), the Receiving Party shall only disclose such information to employees and Contractors on a need to know basis, and shall cause its employees and employees of its Affiliates to: (i) maintain any and all Confidential Information in confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each Party shall take reasonable measures to protect the Confidential Information of the other Party, which measures shall not be less than the measures taken by such Party to protect its own confidential and proprietary information.

Obligation of confidentiality shall not apply to information that (i) is or becomes generally known to the public through no act or omission of the Receiving Party; (ii) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (iii) is developed independently by employees or Contractors of the Receiving Party or other persons working for the Receiving Party who have not had access to the Confidential Information of the Disclosing Party, as proven by the written records of the Receiving Party; (iv) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (v) the Receiving Party is legally compelled to disclose, in which case the Receiving Party shall notify the Disclosing Party of such compelled disclosure and assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to limit the scope of disclosure and the dissemination of disclosed Confidential Information to the minimum extent necessary.

The obligations under this Section 9 shall continue to remain in force for a period of five (5) years after the last disclosure, and, with respect to trade secrets, for so long as such trade secrets are protected under applicable trade secret laws.

10. FEES, DELIVERY AND PAYMENT

10.1. License Fees

License Fees are described in The Qt Company's standard price list, quote or

Purchase Order confirmation or in an Appendix 2 hereto, as the case may be.

Unless otherwise expressly provided in this Agreement, the License Fees shall not be refunded or claimed as a credit in any event or for any reason whatsoever.

10.2. Ordering Licenses

Licensee may purchase Development Licenses, Distribution Licenses and QA Tools
Licenses pursuant to agreed pricing terms or, if no specific pricing terms have been agreed upon, at The Qt Company's standard pricing terms applicable at the time of purchase.

Unless expressly otherwise agreed, any price or other term quoted to the Licensee or specified herein shall only be valid for the thirty (30) days from the effective date of this Agreement, Appendix 2 or the date of the quote, as applicable.

Licensee shall submit all purchase orders for Development Licenses and Distribution Licenses to The Qt Company by email or any other method acceptable to The Qt Company (each such order is referred to herein as a "Purchase Order") for confirmation, whereupon the Purchase Order shall become binding between the Parties.

Licensee acknowledges and agrees that all Purchase Orders for Licensed Software the Licensee makes during the Agreement Term shall be governed exclusively under the terms of this Agreement.

10.3. Distribution License Packs

Unless otherwise agreed,
Distribution Licenses shall be purchased by way of
Distribution License Packs.

Upon due payment of the ordered Distribution License Pack(s), the Licensee will have an account of Distribution Licenses available for distributing the Redistributables in accordance with this Agreement.

Each time Licensee distributes a copy of Redistributables, then one Distribution License is used, and Licensee's account of available Distribution Licenses is decreased accordingly.

Licensee may distribute copies of the Redistributables so long as Licensee has Distribution Licenses remaining on its account.

10.4. Payment Terms

License Fees and any other charges under this Agreement shall be paid by Licensee no later than thirty (30) days from the date of the applicable invoice from The Qt Company.

The Qt Company will submit an invoice to Licensee after the date of this Agreement and/or after The Qt Company receives a Purchase Order from Licensee.

A late payment charge of the lower of (a) one percent per month; or (b) the interest rate stipulated by applicable law, shall be charged on any unpaid balances that remain past due and which have not been disputed by the Licensee in good faith.

10.5. Taxes

All License Fees and other charges payable hereunder are gross amounts but exclusive of any value added tax, use tax, sales tax, withholding tax and other taxes, duties or tariffs ("Taxes") levied directly for the sale, delivery or use of Licensed Software hereunder pursuant to any applicable law. Such applicable Taxes shall be paid by Licensee to The Qt Company, or, where applicable, in lieu of payment of such Taxes to The Qt Company, Licensee shall provide an exemption certificate to The Qt Company and any applicable authority.

11. RECORD-KEEPING AND REPORTING OBLIGATIONS; AUDIT RIGHTS

11.1. Licensee's Record-keeping

Licensee shall at all times during the Agreement Term and for a period of two (2) years thereafter maintain Licensee's Records in an accurate and up-to-date form. Licensee's Records shall be adequate to reasonably enable The Qt Company to determine Licensee's compliance with the provisions of this Agreement. The records shall conform to general good accounting practices.

Licensee shall, within thirty (30) days from receiving The Qt Company's request to that effect, deliver to The Qt Company a report based on Licensee's Records, such report to contain information, in sufficient detail, on (i) number and identity of users working with Licensed Software or Open Source Qt, (ii) copies of Redistributables distributed by Licensee during the most recent calendar quarter and/or any other term specified by The Qt Company, , and (iii) any other information pertaining to Licensee's compliance with the terms of this Agreement (like e.g. information on products and/or projects relating to use of Distribution Licenses), as The Qt Company may reasonably require from time to time.

11.2. The Qt Company's Audit Rights

The Qt Company or an independent auditor acting
on behalf of The Qt Company's,
may, upon at least thirty (30) days' prior written notice and at its expense, audit Licensee with respect to the Licensee's use of the Licensed Software, but not more frequently than once during each 6-month period. Such audit may be conducted by mail, electronic means or through an in-person visit to Licensee's place of business. Any possible in-person audit shall be conducted during regular business hours at Licensee's facilities and shall not unreasonably interfere with Licensee's business activities and shall be limited in scope to verify Licensee's compliance with the terms of this Agreement. The Qt Company or the independent auditor acting on behalf of The Qt Company shall be entitled to inspect Licensee's Records and conduct necessary interviews of Licensee's relevant employees and Contractors. All such Licensee's Records and use thereof shall be subject to an obligation of confidentiality under this Agreement.

If an audit reveals that Licensee
is using the Licensed Software beyond scope
of the licenses Licensee has paid for, Licensee shall pay to The Qt Company any amounts owed for such unauthorized use within 30 days from receipt of the corresponding invoice from The Qt Company.

In addition, in the event the audit reveals a material violation of the terms of this Agreement (without limitation, either (i) underpayment of more than 10 % of License Fees or 10,000 euros (whichever is more) or (ii) distribution of products, which include or result from Prohibited Combination, shall be deemed a material violation for purposes of this section), then the Licensee shall pay The Qt Company's reasonable cost of conducting such audit.

12. TERM AND TERMINATION

12.1. Agreement Term

This Agreement shall enter into force upon due acceptance by both Parties and remain in force until terminated pursuant to the terms of this Section 12 ("Agreement Term").

12.2. Termination for breach and suspension of rights
Either Party shall have the
right to terminate this Agreement upon thirty (30)
days prior written notice if the other Party commits a material breach of any obligation of this Agreement and fails to remedy such breach within such notice period.

Instead of termination, The Qt Company shall have the right to suspend or withhold grants of all rights to the Licensed Software hereunder, including but not limited to the Development Licenses, Distribution License, and Support, should Licensee fail to make payment in timely fashion or otherwise violates or is reasonably suspected to violate its obligations or terms of this Agreement,

and where such violation or breach is not cured within ten (10) business days following The Qt Company's written notice thereof.

12.3. Termination for insolvency

Either Party shall have the right to terminate this Agreement immediately upon written notice in the event that the other Party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other Party.

12.4. Parties' Rights and Duties upon Termination

Upon expiry or termination of the Agreement, Licensee shall cease and shall cause all Designated Users (including those of its Affiliates' and Contractors') to cease using the Licensed Software under this Agreement. For clarity, a Development License of a Designated User or a QA Tools License, and all rights relating thereto, shall always terminate at the expiry of the respective Development License Term, even if the Agreement continues to remain in force.

Upon such termination the Licensee shall destroy or return to The Qt Company all copies of the Licensed Software and all related materials and will certify the same by Licensee's duly authorized officer to The Qt Company upon its request, provided however that Licensee may retain and exploit such copies of the Licensed Software as it may reasonably require in providing continued support to Customers.

Except when this Agreement is terminated by The Qt Company due to Licensee's material breach as set forth in Section 12.2, the Licensee may continue distribution of Applications and Devices under the terms of this Agreement despite the termination of this Agreement. In such event the terms hereof will continue to be applicable and govern any such distribution of Applications and Devices beyond the expiry or termination of this Agreement. In case of termination by The Qt Company due to Licensee's material breach, Licensee must cease any distribution of Applications and Devices at the date of termination of this Agreement.

Expiry or termination of this Agreement for any reason whatsoever shall not relieve Licensee of its obligation to pay any License Fees accrued or payable to The Qt Company prior to the effective date of termination, and Licensee pay to The Qt Company all such fees within 30 days from the effective date of termination of this Agreement.

Termination of this Agreement shall not affect any rights of Customers to continue use of Applications and Devices (and therein incorporated Redistributables).

12.5. Extension of Rights under Special Circumstances

In the event of The Qt Company choosing not to renew the Development License(s) or QA Tools Licenses, as set forth in Section 3.1 and 3.5 respectively, and where such decision of non-renewal is not due to any ongoing breach or alleged breach (as reasonably determined by The Qt Company) by Licensee of the terms of this Agreement or any applicable license terms of Open Source Qt, then all valid and affected Development Licenses and QA Tools licenses possessed by the Licensee at such date shall be extended to be valid in perpetuity under the terms of this Agreement and Licensee is entitled to purchase additional licenses as set forth in Section
10.2.

In the event The Qt Company is declared bankrupt under a final, non-cancellable decision by relevant court of law, and this Agreement is not, at the date of expiry of the Development License(s) or QA Tools Licenses, assigned to party, who has assumed The Qt Company's position as a legitimate licensor of Licensed Software under this Agreement, then all valid Development Licenses and QA Tools Licenses possessed by the Licensee at such date of expiry, and which the Licensee has not notified for expiry, shall be extended to be valid in perpetuity under the terms of this Agreement.

For clarity, in case of an extension under this Section 12.5, any such extension shall not apply to The Qt Company's Support obligations, but Support shall be provided only up until the end of the respective fixed Development License Term regardless of the extension of relevant Development License or QA Tools License, unless otherwise agreed between the Parties.

13. GOVERNING LAW AND LEGAL VENUE

In the
event this Agreement is in the name of The Qt Company Inc., a Delaware Corporation, then:

(i) this Agreement shall be construed and interpreted in accordance with the laws of the State of California, USA, excluding its choice of law provisions;
(ii) the United Nations Convention on Contracts for the International Sale of Goods will not apply to this Agreement; and
(iii) any dispute, claim or controversy arising out of or relating to this Agreement or the breach, termination, enforcement, interpretation or validity thereof, including the determination of the scope or applicability of this Agreement to arbitrate, shall be determined by arbitration in San Francisco, USA, before one arbitrator. The

arbitration shall be administered by JAMS pursuant to JAMS' Streamlined Arbitration Rules and Procedures. Judgment on the Award may be entered in any court having jurisdiction. This Section shall not preclude parties from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction.

In the event this Agreement is in the name of The Qt Company Ltd., a Finnish Company, then:

(i) this Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions;

(ii) the United Nations Convention on Contracts for the International Sale of Goods will not apply to this Agreement; and

(iii) any disputes, controversy or claim arising out of or relating to this Agreement, or the breach, termination or validity thereof shall be finally settled by arbitration in accordance with the Arbitration Rules of International Chamber of Commerce. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction.

The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language. This Section shall not preclude parties from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction.

14. GENERAL PROVISIONS

14.1. No Assignment

Except in the case of a merger or sale of substantially all of its corporate assets, Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of The Qt Company, which shall not be unreasonably withheld or delayed. The Qt Company shall be entitled to freely assign or transfer any of its rights, benefits or obligations under this Agreement.

14.2. No Third-Party Representations

Licensee shall make no representations or warranties concerning the Licensed Software on behalf of The Qt Company. Any representation or warranty Licensee makes or purports to make on The Qt Company's behalf shall be void as to The Qt Company.

14.3. Surviving Sections

Any terms and conditions that by their nature or otherwise reasonably should survive termination of this Agreement shall so be deemed to survive. Such

sections include especially the following: 1, 2, 6, 7, 9, 11, 12.4, 13 and 14.

14.4. Entire Agreement

This Agreement, the Appendices hereto, the License Certificate and any applicable quote and Purchase Order accepted by The Qt Company constitute the complete agreement between the Parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein.

In the event of any conflict or inconsistency between this Agreement and any Purchase Order, the terms of this Agreement will prevail over the terms of the Purchase Order with respect to such conflict or inconsistency.

Parties specifically acknowledge and agree that this Agreement prevails over any click-to-accept
or similar agreements the Designated Users may need to
accept online upon download of the Licensed Software, as may be required by The Qt Company's applicable processes relating to Licensed Software.

14.5. Modifications

No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each Party. No term or condition contained in Licensee's Purchase Order ("Deviating Terms") shall apply unless The Qt Company has expressly agreed such Deviating Terms in writing. Unless and to the extent expressly agreed by The Qt Company, any such Deviating Terms shall be deemed void and with no legal effect. For clarity, delivery of the Licensed Software following the receipt of the Purchase Order including Deviating Terms shall not constitute acceptance of such Deviating Terms.

14.6. Force Majeure

Except for the payment obligations hereunder, neither Party shall be liable to the other for any delay or non-performance of its obligations
hereunder in the
event and to the extent that such delay or non-performance is due to an event of act of God, terrorist attack or other similar unforeseeable catastrophic event that prevents either Party for fulfilling its obligations under this Agreement and which such Party cannot avoid or circumvent ("Force Majeure Event"). If the Force Majeure Event results in a delay or non-performance of a Party for a period of three (3) months or longer, then either Party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other Party.

14.7. Notices

Any notice given by one Party to the other shall be deemed properly given and deemed received if specifically acknowledged by the receiving Party in writing or when successfully delivered to the recipient by hand, fax, or special courier during normal business hours on a business day to the addresses specified
for each Party on the signature page. Each communication and document made or delivered by one Party to the other Party pursuant to this Agreement shall be in the English language.

14.8. Export Control

Licensee acknowledges that the Redistributables, as incorporated in Applications or Devices, may be subject to export control restrictions under the applicable laws of respective countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all laws and regulations relating to the Redistributables and exercise of licenses hereunder and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Redistributables, Applications and/or Devices.

14.9. No Implied License

There are no implied licenses or other implied rights granted under this Agreement, and all rights, save for those expressly granted
hereunder, shall
remain with The Qt Company and its licensors. In addition, no licenses or immunities are granted to the combination of the Licensed Software with any other software or hardware not delivered by The Qt Company under this Agreement.

14.10. Attorney Fees

The prevailing Party in any action to enforce this Agreement shall be entitled to recover its attorney's fees and costs in connection with such action, as to be ordered by the relevant dispute resolution body.

14.11. Privacy

Licensee acknowledges and agrees that for the purpose of this Agreement, The Qt Company may collect, use, transfer and disclose personal data pertaining to Designated Users as well as any other employees and directors of the Licensee and its Contractors relevant for carrying out the intent of this Agreement. Such personal data will be primarily collected from the relevant individuals but may be collected also from Licensee (e.g. in the course of Licensee's reporting obligations). The Parties

acknowledge that as
The Qt Company determines the purpose and means for such collection and processing of the applicable personal data, The Qt Company shall be regarded as the Data Controller under the applicable Data Protection Legislation.
The Qt Company shall process any such personal data in accordance with its privacy and security policies and practices, which will comply with all applicable requirements of the Data Protection Legislation.

14.12. Severability

If any provision of this Agreement shall be adjudged by any court of competent jurisdiction to be unenforceable or invalid, that provision shall be limited or eliminated to the minimum extent necessary so that this Agreement shall otherwise remain in full force and effect and enforceable.

14.13. Marketing Rights

Parties have agreed upon Marketing Rights pursuant to Appendix 7, if any.

APPENDICES
The Agreement includes following Appendices 1-10, as applicable.
- Appendix 1: Licensed Software details
- Appendix 2: Pricing
-
Appendix 3: Add-on Software details (optional)
- Appendix 4: Small business and startup Licenses (optional)
- Appendix 5: Non-commercial and educational Licenses (optional)
- Appendix 6: License Reporting (optional)
- Appendix 7: Marketing Rights (optional)
- Appendix 8: Intentionally left blank (optional)
- Appendix 9: Support Terms
- Appendix 10: Conversion from legacy Licenses to Subscription (optional)
- Appendix 11: TERMS OF USE - QT INSIGHT TRACKER LIBRARY

APPENDIX 1: LICENSED SOFTWARE

The modules and/or tools that are included in the latest publicly available version of the respective product at the effective date of this Agreement- Qt for Application Development Professional (ADP), Qt for Application Development Enterprise (ADE), Qt for Device Creation Professional (DCP), Qt for Device Creation Enterprise (DCE), - are marked with "X" in the below table. The modules and tools are specific to each product version respectively and may vary from version to version. Modules

and tools included in the latest publicly
available version of the respective product at any given time are listed in Appendix 1 of the latest version of this Agreement available at www.qt.io/terms-conditions/. If a new version of Licensed Software does not include a module or tool present in an older version which Licensee is entitled to use under a valid license from The Qt Company, then Licensee will continue to have such right during the Term of this Agreement. In the event a new version of the Licensed Software adds modules or tools to any previous version(s), Licensee's rights will extend to cover also such additional modules and tools.

Parts of the product that are permitted for distribution in object-code form only ("Redistributables") are marked with "R" in the below table.

```
+-----------------------------------------------------------+
| Modules / Tools                | ADP | ADE | DCP | DCE |
+-----------------------------------------------------------+
| Active Qt
              | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt 3D                        | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt 5 Core Compatibility APIs     | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Android Extras              | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Bluetooth                   | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Canvas 3D                   | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Charts                      | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Concurrent                  | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Core                        | X,R | X,R
 | X,R | X,R |
+-----------------------------------------------------------+
| Qt Data Visualization          | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt D-Bus                       | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt for Python                  | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt for WebAssembly             | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Gamepad                     | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Graphical Effects           | X,R | X,R | X,R | X,R |
```

```
+-----------------------------------------------------------+
| Qt GUI                        | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Help                       | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
|
 Qt Image Formats                | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Location                   | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Lottie Animation             | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Mac Extras                 | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Multimedia                 | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Multimedia Widgets           | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Network                    | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Network Authorization        | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
|
 Qt NFC                        | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt OpenGL                     | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt PDF                        | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Platform Headers             | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Positioning                | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Print Support              | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Purchasing                 | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt QML                        | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
|
 Qt Quick                      | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Quick 3D                   | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Quick Controls 1             | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Quick Controls               | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
```

| Qt Quick Dialogs | X,R | X,R | X,R | X,R |
+----------+
| Qt Quick Extras | X,R | X,R | X,R | X,R |
+----------+
| Qt Quick Layouts | X,R | X,R | X,R | X,R |
+----------+
| Qt Quick Test | X,R | X,R | X,R | X,R |
+----------+
| Qt Quick Timeline
| X,R | X,R | X,R | X,R |
+----------+
| Qt Quick WebGL | X,R | X,R | X,R | X,R |
+----------+
| Qt Quick Widgets | X,R | X,R | X,R | X,R |
+----------+
| Qt Remote Objects | X,R | X,R | X,R | X,R |
+----------+
| Qt Script | X,R | X,R | X,R | X,R |
+----------+
| Qt Script Tools | X,R | X,R | X,R | X,R |
+----------+
| Qt SCXML | X,R | X,R | X,R | X,R |
+----------+
| Qt Sensors | X,R | X,R | X,R | X,R |
+----------+
| Qt Serial Bus | X,R |
X,R | X,R | X,R |
+----------+
| Qt Serial Port | X,R | X,R | X,R | X,R |
+----------+
| Qt Shader Tools | X,R | X,R | X,R | X,R |
+----------+
| Qt Speech | X,R | X,R | X,R | X,R |
+----------+
| Qt State Machine | X,R | X,R | X,R | X,R |
+----------+
| Qt SQL | X,R | X,R | X,R | X,R |
+----------+
| Qt SVG | X,R | X,R | X,R | X,R |
+----------+
| Qt Test | X,R | X,R | X,R | X,R |
+----------+
| Qt UI Tools | X,R | X,R | X,R | X,R |
+----------+
|
Qt Virtual Keyboard | X,R | X,R | X,R | X,R |
+----------+
| Qt Wayland Compositor | X,R | X,R | X,R | X,R |

```
+-----------------------------------------------------------+
| Qt WebChannel                  | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt WebEngine                   | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt WebSockets                  | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt WebView                     | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Widgets                     | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Windows Extras              | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
|
 Qt X11 Extras                   | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt XML                         | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt XML Patterns                | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Designer (Qt Widget Designer) | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Linguist                    | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt Assistant                   | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| lupdate                        | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| lrelease                       | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
|
 lconvert                        | X,R | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt MQTT                        |     | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt KNX                         |     | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt OPC UA                      |     | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Qt CoAP                        |     | X,R | X,R | X,R |
+-----------------------------------------------------------+
| Boot 2 Qt stacks               |     |     | X,R | X,R |
+-----------------------------------------------------------+
| Qt OTA                         |     |     | X,R | X,R |
+-----------------------------------------------------------+
| Device Utilities               |     |     | X,R | X,R |
+-----------------------------------------------------------+
| Qt Debugging Bridge
```

```
 (QDB) Daemon |     |     | X,R | X,R |
+-----------------------------------------------------------+
| Qt Quick Ultralite Controls     |     |     | X,R | X,R |
+-----------------------------------------------------------+
| Qt Quick Ultralite              |     |     | X,R | X,R |
+-----------------------------------------------------------+
| Qt Safe Renderer (QSR)          |     |     |     | X,R |
+-----------------------------------------------------------+
| Qt Application Manager          |     |     |     | X,R |
+-----------------------------------------------------------+
| Qt Interface Framework          |     |     |     | X,R |
+-----------------------------------------------------------+
| Neptune Reference UI            |     |     |     | X,R |
+-----------------------------------------------------------+
| Qt for Android Automotive (QAA) |     |     |     | X,R |
+-----------------------------------------------------------+
| Qt Creator                      | X
  | X | X | X |
+-----------------------------------------------------------+
| Qt Design Studio Professional   | X | X | X | X |
+-----------------------------------------------------------+
| androiddeployqt                 | X | X | X | X |
+-----------------------------------------------------------+
| androidtestrunner               | X | X | X | X |
+-----------------------------------------------------------+
| canbusutil                      | X | X | X | X |
+-----------------------------------------------------------+
| dumpcpp                         | X | X | X | X |
+-----------------------------------------------------------+
| dumpdoc                         | X | X | X | X |
+-----------------------------------------------------------+
| fixqt4headers.pl                | X | X | X | X |
+-----------------------------------------------------------+
| idc                             | X | X | X | X |
+-----------------------------------------------------------+
|
 moc                              | X | X | X | X |
+-----------------------------------------------------------+
| pixeltool                       | X | X | X | X |
+-----------------------------------------------------------+
| qdbus                           | X | X | X | X |
+-----------------------------------------------------------+
| qdbuscpp2xml                    | X | X | X | X |
+-----------------------------------------------------------+
| qdbusviwer                      | X | X | X | X |
+-----------------------------------------------------------+
| qdbusxml2cpp                    | X | X | X | X |
+-----------------------------------------------------------+
```

| qdistancefieldgenerator | X | X | X | X |
+----------+
| qdoc | X | X | X | X |
+----------+
|
qhelpgenerator | X | X | X | X |
+----------+
| qlalr | X | X | X | X |
+----------+
| qmake | X | X | X | X |
+----------+
| qml | X | X | X | X |
+----------+
| qmlcachegen | X | X | X | X |
+----------+
| qmldom | X | X | X | X |
+----------+
| qmleasing | X | X | X | X |
+----------+
| qmlformat | X | X | X | X |
+----------+
|
qmllint | X | X | X | X |
+----------+
| qmlpreview | X | X | X | X |
+----------+
| qmlprofiler | X | X | X | X |
+----------+
| qmlscene | X | X | X | X |
+----------+
| qmltestrunner | X | X | X | X |
+----------+
| qmltime | X | X | X | X |
+----------+
| qmlviewer | X | X | X | X |
+----------+
| qtdiag | X | X | X | X |
+----------+
| qtpaths
| X | X | X | X |
+----------+
| qtplugininfo | X | X | X | X |
+----------+
| qvkgen | X | X | X | X |
+----------+
| rcc | X | X | X | X |
+----------+
| tracegen | X | X | X | X |

```
+-----------------------------------------------------------+
| uic                        | X | X | X | X |
+-----------------------------------------------------------+
| windeployqt                | X | X | X | X |
+-----------------------------------------------------------+
| Target toolchains          |   |   | X | X |
+-----------------------------------------------------------+
| Qt Debugging Bridge Host Tools   |
   |   | X | X |
+-----------------------------------------------------------+
| qtconfig-gui               |   |   | X | X |
+-----------------------------------------------------------+
| Qt Emulator                |   |   | X | X |
+-----------------------------------------------------------+
| Qt Creator VxWorks plugin      |   |   | X | X |
+-----------------------------------------------------------+
| Qt Creator plugin for Qt       |   |   |   | X |
| Application Manager            |   |   |   |   |
+-----------------------------------------------------------+
| qmlinterfacegenerator          |   |   |   | X |
+-----------------------------------------------------------+
| qmltocpp                       |   |   |   | X |
+-----------------------------------------------------------+
| qulfontcompiler                |   |   |   | X |
+-----------------------------------------------------------+
|
 Qt Deployment Server          |   |   |   | X |
+-----------------------------------------------------------+
```

Rights for Application and Device use cases

Following table summarizes the rights afforded by different products of the Licensed Software to create and distribute Applications and Devices as defined in this Agreement (X marks for rights):

```
+-----------------------------------------------------------------+
|                          | Applications |    Devices   |
+-----------------------------------------------------------------+
| ADP                      |     X        |              |
+-----------------------------------------------------------------+
| ADE                      |     X        |              |
+-----------------------------------------------------------------+
| DCP                      |     X        |     X        |
+-----------------------------------------------------------------+
| DCE                      |     X
     |     X      |
+-----------------------------------------------------------------+
```

Licensed Software: Designer tools and modules

The modules and/or tools that are included in the respective product - Qt for Design Studio Professional (DSP), Qt for Design Studio Enterprise (DSE) - are marked with "X" in the below table.

Designer tools provides no Redistributables.

	DSP	DSE
Qt Design Studio	X	X
Qt Design Bridges		X
QML Live on host	X	X
QML Live on target		X
Variant Management		X
Shader creation tools		X
Profiling tools		X
Simulink support		X

Both DSP and DSE can be used to create an user interface for use cases covered by ADP, ADE, DCP and DCE.

Licensed Software: QA Tools

The modules and/or tools that are included in the respective QA Tools product - Squish (both Tester and execution Licenses), Coco or Test Center - are marked with "X" in the below table. Optional features that will need additional licenses are marked with "O". QA Tools include no Redistributables.

	Squish	Coco	Test Center
Squish IDE	X		
QA Tool-specific command line tools	X	X	X

```
+-----------------------------------------------------------------------+
| Coverage Browser                  |       |  X   |           |
+-----------------------------------------------------------------------+
| HTML interface                    |       |      |     X     |
+-----------------------------------------------------------------------+
| Qt Support Module                 |   X   |      |           |
+-----------------------------------------------------------------------+
| Java support module               |   X   |      |           |
+-----------------------------------------------------------------------+
| Windows support module            |   X   |      |           |
+-----------------------------------------------------------------------+
| iOS support module                |   X   |
      |           |
+-----------------------------------------------------------------------+
| Android support module            |   X   |      |           |
+-----------------------------------------------------------------------+
| Web support module                |   X   |      |           |
+-----------------------------------------------------------------------+
| macOS support module              |   X   |      |           |
+-----------------------------------------------------------------------+
| VNC support module                |   X   |      |           |
+-----------------------------------------------------------------------+
| MCU support module                |   X   |      |           |
+-----------------------------------------------------------------------+
| C and C++ language module         |       |  X   |           |
+-----------------------------------------------------------------------+
| C# language module                |
     |  X   |           |
+-----------------------------------------------------------------------+
| QML language module               |       |  X   |           |
+-----------------------------------------------------------------------+
| Tester Cross-Compilation Add-On   |   O   |  O   |           |
+-----------------------------------------------------------------------+
```

License capabilities for Squish

License capabilities that are included in the Squish Tester and Execution Licenses are marked with "X" in the below table.

```
+-------------------------------------------------------------------------+
|                        | Squish Tester License | Squish Execution License |
+-------------------------------------------------------------------------+
| Ability to create, edit, |          X          |                        |
| and debug test cas       |                     |                        |
+-------------------------------------------------------------------------+
|
 Ability to execute test  |          X          |           X            |
| cases                    |                     |                        |
```

+----------+

Install and use capabilities for QA Tools

Install and use capabilities that are included in the respective QA Tools products are defined in the below table.

	Squish Tester License	Squish Execution License	Coco License	Test Center License
Number of installation instances per license	Unlimited	Unlimited	Unlimited	One(1)
Number of concurrent users	Limited by number of Squish Tester Licenses	Limited by number of Squish Execution Licenses	Limited by number of Coco Tester Licenses	Limited by number of Test Center Licenses

APPENDIX 2: PRICING

Separate template

APPENDIX 3: ADD-ON PRODUCTS TO LICENSED SOFTWARE

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APPENDIX 4: SMALL BUSINESS AND STARTUP

The provisions of this Appendix 4 are applicable for companies with an annual revenue, including funding, equivalent to maximum of 250,000 USD (in applicable currency) during the latest full calendar year, as evidenced by duly audited records of the Licensee and approved by The Qt Company ("Start-up Company").

Start-up Companies are qualified for a discounted License Fee for maximum of four (4) Development Licenses ("Start-up Development License") unless otherwise agreed between the parties.

Start-up Development License entitles the respective Designated User for Support only for Install Support as defined in Appendix 9, Support Terms.

Upon expiry of the respective Development License Term, the Start-up

Development Licenses shall be automatically extended, pursuant to Section 3.1 of the Agreement, for a Renewal Term either as new Start-up Development Licenses (if the Licensee still qualifies as a Start-up Company), or as normal then standard list price Development Licenses (if the Licensee no longer qualifies as a Start-up Company).

APPENDIX 5: NON-COMMERCIAL AND EDUCATIONAL USE

The provisions of this Appendix 5 are applicable for non-commercial use of the Licensed Software by the Licensee.

For the purpose of this Appendix 5, the following additional definitions (replacing
the relevant definition of the Agreement, where applicable) shall be applicable:

"Demo Units" shall mean (i) hardware development platform, which incorporates the Licensed Software along with Licensee's software and/or hardware, and (ii) prototype versions of Applications or Devices.

"Designated User(s)" shall mean the employees and students of the Licensee.

"Licensee Products" shall mean Applications and/or Devices.

"Permitted Purpose" shall mean (i) Licensee's internal evaluation and testing of Licensed Software, (ii) building Demo Units as well as (iii) educational use.

"Agreement Term" shall mean a period of twelve (12) months or any such other period as may be agreed between the Parties.

For the purpose of this Appendix 5, the following changes shall be agreed with respect to relevant Sections of the Agreement:

I. Recital (A) shall be replaced in its entirety to read as follows:
"(A) Licensee wishes to use the Licensed Software for the Permitted

Purpose."

II. Section 3.1 shall be replaced in its entirety to read as follows:
"The Qt Company grants to Licensee a personal, non-exclusive, non-transferable, revocable, royalty-free license, valid for the Agreement Term, to use, modify and copy the Licensed Software solely for the Permitted Purpose. Licensee may install copies of the Licensed Software on five (5) computers per Designated User, provided that only the Designated Users who have a valid Development License may use the Licensed Software. Licensee may demonstrate the Demo Units, provided that such demonstrations must be conducted by Licensee, and the Demo Units must remain in Licensee's possession and under Licensee's control at all times.

For clarity, this Agreement does not (i) entitle Licensee to use Licensed Software to create Applications or Devices (other than prototypes thereof) or (ii) carry any distribution rights to Licensee, but such rights are subject to and conditional upon conclusion of a separate license agreement with The Qt Company."

III. Sections 3.2, 3.3, 3.5, 3.6, 8 and 10 shall be deleted.

IV. Section 3.4 shall be replaced in its entirety to read as follows:

"Licensee shall not:

- remove or alter any copyright, trademark or other proprietary rights notice contained in any portion of the Licensed Software;
- transfer, publish, sublicense, disclose, display or otherwise make the Licensed Software available to any third party (except that Licensee may demonstrate the Demo Units pursuant to Section 3.1);
- in any way combine, incorporate or integrate Licensed Software with, or use Licensed Software for creation of, any software created with or incorporating Open Source Qt; Licensee shall cause all Designated Users who make use of the licenses granted under this Agreement, to be contractually bound to comply with the relevant terms of this Agreement and not to use the Licensed Software beyond the terms hereof. Licensee shall be responsible for any and all actions and omissions of its Designated Users relating to the Licensed Software and use thereof. Any use of Licensed Software beyond the provisions of this Agreement is strictly prohibited and requires an additional license from The Qt Company."

V. Section 12 shall be replaced in its entirety to read as follows:

"This Agreement shall enter into force upon due acceptance by both Parties and remain in force for the Agreement Term, unless and until terminated pursuant to the terms of Section 12.

Upon termination of the Agreement, Licensee shall cease using the Licensed Software. All other copies of Licensed Software in the possession or control of Licensee must be erased or destroyed. An officer of Licensee must, upon request, promptly deliver to The Qt Company a written confirmation that this has occurred."

Except for the modifications specified above, this Appendix carries no change to the terms of the Agreement which shall remain in full force.

APPENDIX 6: LICENSE REPORTING

Separate template

APPENDIX 7: MARKETING RIGHTS

This Appendix 7 has the purpose to grant visibility through The Qt Company marketing channels of the usage of Qt and related product and service in

Licensee product. Following related marketing right are agreed between the Qt Company and the Licensee.

1. LICENSEE NAME AND LICENSEE LOGO

The Qt Company has the right to use Licensee name and Licensee logo in public channel, in respect of the value proposition that the Qt company provided to the Licensee.

2. MARKETING CONTENT COOPERATION

2.1. LICENSEE CASES

The Licensee is open to collaborate on content creation for marketing and communication purpose. The Licensee will nominate one responsible that will be in charge to support The Qt company with this content creation, according to content format paragraph, answering technical questions or sharing professional picture or video of required content. The Qt Company will have the right to advertise this in Content Format and Channel as mentioned in paragraph 3 and 4.

2.2. FINAL PRODUCT REFERRAL

Licensee agree that The Qt Company could connect their software product and services with the Licensee device or application, that the Licensee has created using The Qt Company technology and competence. Licensee will provide high quality picture, and video of the created final product where the Qt technology is running into. The Qt Company will have the right to advertise this in Content Format and Channel as mentioned in paragraph 3 and 4.

3. CONTENT FORMAT

- Video
- Written Licensee case
- Press release
- Social media posts
- Emails
- Event booth Graphics
- Printed material

4. CHANNELS

- Social media
- The Qt Company resource center and website
- Email to the Qt company contact database
- Events
- Online webinars

- Public speech
- Public presentations

APPENDIX 8: INTENTIONALLY LEFT BLANK

APPENDIX 9: SUPPORT TERMS
Version 2023-04

These Qt support terms and conditions (Support Terms) set forth the legal framework, where under The Qt Company (The Qt Company) provides support services (as herein defined) to the Licensee.

1 DEFINITIONS

Application Code shall mean a computer software program written strictly using the Qt programming language, by or for the Licensee, with a user interface, enabling the Licensee or their users to accomplish a specific task and display any results of the task on the display monitor or screen.

Customer Portal shall mean The Qt Companys web-based service and support user interface located at https://account.qt.io/ or at another location designated by The Qt Company. Customer Portal is used by a Designated User with Qt Account, and it provides downloads, license management, license certificate and other services for Designated Users.

Dedicated Contact shall mean the employee of The Qt Company who will be the first point of contact for all Designated Users requests for Support.

Errors shall mean an error, flaw, mistake, failure, or fault in Licensed Software that prevents it from behaving as described in the relevant documentation or as agreed between the Parties. Designated User can follow the state and progress of Errors in Customer Portal.

Extended Support shall mean a continuation to the normal Support period, which allows Designated Users to receive selected Support (Standard Support or Premium Support) for a version of Licensed Software that is no longer generally supported by The Qt Company.

Install Support shall mean Support that is limited to installation-related Error(s) on Development Platforms specified as supported host platforms for each Qt release under doc.qt.io. Install Support covers also operational use of the QA Tools, but not operational use of Qt Software.

Maintenance Release shall mean a release or version of Licensed Software containing bug fixes, error corrections and other changes targeted to maintaining and improving product stability and quality. Maintenance Releases

are generally depicted as a change to the third digit of Licensed Software version number.

Platforms shall mean both Development Platforms and Deployment Platforms. Supported host and target Platforms may vary from for each Qt release as defined under doc.qt.io.

Premium Support shall mean an upgraded level of Support that The Qt Company provides pursuant to these Support Terms to Licensee if Licensee has purchased Premium Support instead of Standard Support. Premium Support also covers what is included in Standard Support. Premium Support shall always be purchased for all Designated User(s) in the respective development team of the Licensee.

Qt Account shall mean the Qt Account for a Designated User used for using Qt services
and Customer Portal. A Qt Account is mapped to the Licensee company with the corporate email domain or domains.

Qualification Kit shall mean a set of documents and validation test cases used for product certification needs as defined in section 2.6.

Response Time shall mean the period of time from when Licensee notifies The Qt Company about an Error or requests Support until The Qt Company provides Licensee with a response that addresses (but not necessarily resolves) the reported Error or provides the requested Support.

Standard Support shall mean standard level of Support that The Qt Company provides pursuant to these Support Terms to Licensee. Standard Support also covers what is included in Install Support.

Security Issue shall mean an Error that may cause a vulnerability in a system or application that uses the Licensed Software.

Support shall mean developer assistance that is provided by The Qt Company to assist eligible Designated Users in Licensed Software installation,
usage and
functionality problem resolution for Error(s) and Error workarounds pursuant to the terms of these Support Terms. Support for different products is available as specified in the below table (X marking the Support that is included in the license price, optional Add-on Support services are marked as O):

	Install Support	Standard Support	Premium Support	Extended Support	Qualification Kit
DSP	X	X	O	O	
DSE	X	X	O	O	

ADP	X				
ADE	X	X	O	O	
DCP	X	X	O	O	
DCE	X	X	O	O	
Squish	X	X	O		O
Coco	X	X	O		O
Test Center	X	X	O		O
Axivion Suite	X	X			
Architecture Analysis	X	X			
Static Code Analysis	X	X			
Static Coverage Analysis Professional	X	X			
Qt Insight		X			

Support Validity Term shall mean the Development License Term or any other fixed time period agreed between the Parties during which time the Licensee is eligible to receive Support from The Qt Company.

2 SUPPORT SERVICES

2.1 Support Services Provided by The Qt Company

Subject to these Support Terms and during the Support Validity Term, The Qt Company will via its Customer Portal, provide Designated User(s) with Support for the Licensed Software which Licensee has licensed under the Agreement. The Qt Company will make commercially reasonable efforts to solve any Errors reported by Designated User(s). Resolution of an Error may be provided through Designated User(s) themselves downloading of a later released version of the applicable Licensed Software product(s) or providing the Designated User with a workaround addressing such Error or providing the Designated User with an updated tool configuration.

2.2 Licensee's Obligations

To report an Error, the Designated User shall register the Error on the Customer Portal. If the Designated User considers the reported Error to be a Security Issue, the Error shall be marked as a Security Issue.

The Designated User must provide adequate information and documentation to The Qt Company to enable it to recreate the Error or problem for which the Designated User has sought assistance. To ensure efficient handling of Errors, the Designated User must provide the following information, where relevant:
- A clear, detailed description of the problem, question or suggestion;
- Identification of which Licensed Software product and version is affected;
- Identification of the operating environment (e.g. operating system, hardware Platform, build tools, tool configuration, etc.) on which the problem exists;
- Marking the issue as a Security Issue, when reporting a Security Issue;
- On Standard Support: A complete and compilable test case of not more than 500 lines of code that demonstrates the problem;
- On Premium Support: A complete and compilable test case that demonstrates the problem or access to Application Code source codes.

Additional relevant content, such as screenshots, etc.
Additional content should be included as attachments. The preferred image formats are JPEG and PNG. Compressed content should be included in zip or tar.gz archives. Executable content and documents in platform specific formats such as Microsoft Office' are not accepted.

In order for The Qt Company to provide prompt handling of Errors, the Designated User shall promptly respond to any requests from The Qt Company for additional information.

2.3 Support Limitations

General limitations:

Each version or release of the Licensed Software will be Supported under Standard Support or Premium Support only for limited time period as set forth in doc.qt.io or in documentation provided with the respective Licensed Software product. If nothing is documented, a release of Licensed Software is supported for one (1) year from the release date of the version x.y.0 and Long Term Support (LTS) Releases are supported for a period of three (3) years from the release date of the LTS version x.y.0.

The Qt Company shall only provide Support for Designated User(s) through Customer Portal.Support is made available for the entire development teams only: It is not allowed to purchase Support only for some members of the

development team, and all Designated Users of the respective development team must be eligible for the same level of Support.

Support is not provided for snapshots, preview releases, beta releases or release candidates.

The Qt Company shall have no obligation to provide Support for 3rd party components, hardware or operating system specific problems or problems arising from improper use, accident, neglect, or modification of Qt.

Limitations with Install Support:

Support limited to (i) Error(s) regarding installation and setting up of the Qt development environment on host Platforms, or (ii) Errors impacting operational use of the QA Tools.

Limitations
with Standard Support:

The Qt Company shall not provide Support for third-party software or problems caused by third-party software even if such third-party software is distributed together with Licensed Software product(s).

The Qt Company shall only provide Support for Error(s) that are reported on and can be reproduced on Platforms that are officially supported for the release of the Licensed Software.

Limitations with Premium support:

The Qt Company shall not provide Support for third-party software or problems caused by third-party software. However, if such third-party software is distributed together with Licensed Software, The Qt Company will make commercially reasonable efforts to solve such problems.

The Qt Company shall only provide Support for Error(s) that can be reproduced on Platforms that are officially supported for the release of the Licensed Software. If the Error is on a Platform that is not supported, The Qt Company will make commercially reasonable efforts to
provide a solution on closest
corresponding supported Platform.

Premium Support is optional and purchased for an agreed bucket of hours (Bucket). Hours can be used by any Designated User in the respective development team. To encourage continuous usage of the Support, ten percent (10%) of the purchased Bucket shall automatically expire (regardless of whether such support hours are actually used or not by the Licensee) each month after three (3) months from the purchase of the Premium Support.

2.4 Handling of Security Issues

The reported Errors marked as Security Issues will be assessed by experts to determine the severity of the issue and to verify if it indeed is a valid Security Issue. The Designated User who reported the issue may be contacted for more details. If the reported issue is not deemed to be a Security Issue, it will be treated as a normal Error and handled accordingly.

A verified Security Issue will be fixed as soon as possible. Qt Company will notify all Licensees
via appropriate channels about the Security Errors and
availability of patches for Licensed Software. Typically, a fix for the Security Issue is included in the next Maintenance Release of Licensed Software.

If the Security Issue is reported in a third-party library used in Licensed Software, The Qt Company will notify the relevant third party of such Security Issue detected in their library. When the Security Issue is fixed in the third-party library, the new version of the third-party library will be in the next feasible Maintenance Release of the Licensed Software. If a fixed version of the third-party library is not available, The Qt Company may instead decide to include documentation regarding the issue, or a patch for this third-party library.

All known Security Issues in Licensed Software will be mentioned as part of the change notes released with each version of Licensed Software.

2.5 Extended Support

Extended Support extends the Support Validity Term for a release of Licensed Software
that is no longer generally supported.

Extended Support includes and is by default provided with Standard Support rules and limitations, unless Extended Support is purchased together with Premium Support in which case Premium Support rules and limitations will apply.

Extended Support is optional and purchased with annual fee and separately per each Licensee product. Extended Support will need definition of (i) Licensee product, (ii) used Platform(s) and (iii) Licensed Software version(s). For avoidance of doubt, Extended Support requires that the Designated User has a valid license for the respective Licensed Software.

2.6 Qualification Kit

The Qt Company shall provide a set of documents and validation tests that enable the Licensee to qualify QA testing tool (subject to a separate fee) or Qt Safe Renderer for the purpose of safety certification of Licensee end-to-end

solution. Exact complied safety standards may vary between products, used features, use case, and industry.

3
RESPONSE TIME

In performing Support, The Qt Company shall commit to following, non-binding, Response Times:

Standard Support: Errors and Support requests will have a Response Time not to exceed two (2) business days.

Premium Support: Errors and Support requests will have a Response Time not to exceed one (1) business day.

Security Issues: Errors that are Security Issues will have a Response Time not to exceed one (1) business day.

For complex issues, The Qt Company may provide an initial response to the Designated User and then follow up, without undue delay, with additional communication before an Error is properly addressed or Support provided.

4 ADDITIONAL SERVICES IN PREMIUM SUPPORT

The Designated User(s) will be assigned a Dedicated Contact to handle requests for Support. Dedicated Contact is subject to change in cases such as sick leave, vacation and other similar reasons.

The Designated User(s) can on request ask The Qt Company to access their computer remotely
in order to resolve problems directly.

The Designated User(s) can request a session via Instant Messaging or phone call in the support request to The Qt Company.

Premium Support can assist Licensee in implementing new features, bug fixes and accessing patches in Licensed Software or Application Code.

All Support requests will be handled with high priority.

5 MAINTENANCE RELEASES, UPDATES AND UPGRADES

Under the Support the Licensee is eligible for Maintenance Releases and Updates that The Qt Company generally makes available to customers who has purchased Support. Unless otherwise decided by The Company at its free and absolute discretion, Upgrades will not be provided under the Support.

The primary focus of Maintenance Releases is product quality. Therefore, each

Maintenance Release typically includes the following types of changes to the previous version of Licensed Software:
- Bug fixes caused by changes to previously working code;
- Fixes related to build issues on supported Platforms;
- Error corrections specific to a single Platform that are not present on other Platforms;
- Corrections to Security Issues;
- Critical Error corrections such as crashes, data corruption, loss of data, race conditions; and
- Updates to documentation and license information when deemed necessary by The Qt Company.

The primary focus of Updates is introducing new features to Licensed Software and covering new platforms. Therefore, each Updates typically includes the following types of changes to the previous version of Licensed Software:
- New platform support;
- New toolchain support;
- New features and Qt modules;

6 WARRANTY DISCLAIMER

The Qt Company makes no warranties that the Support provided will be successful in resolving any difficulties or problems or in diagnosing faults reported by Licensee. Support is provided to Licensee on an "as is" basis. To the maximum extent permitted by applicable law, The Qt Company disclaims all warranties and conditions, either express or implied, including, but not limited to, implied warranties of merchantability and fitness for a particular purpose for the Support provided by The Qt Company to Licensee.

APPENDIX 10: CONVERSION TO SUBSCRIPTION

Subject to the terms of this Appendix Licensee's current development licenses ("Current Licenses") for commercial version of Qt Software and the license agreements governing such Current Licenses ("Existing Agreements") are being replaced by this Agreement and subscription based Development Licenses governed hereunder, as further specified below.

Existing Agreement(s) signing parties, version and date of signatures thereof	<Trolltech, Nokia, Digia, The Qt Company> and <Licensee> <Version of the Agreement, e.g. 2,0, 3.2 or 4.1> <Date of the agreement signatures>

Parties

hereby agree on conversion of Current Licenses listed in attached Exhibit A to the subscription licenses listed in attached Exhibit B for use through License Term. As of the date hereof,

i. Licensee's Current Licenses as listed in Exhibit A shall terminate and be replaced with the Subscription licenses listed in Exhibit B and;
ii. Existing Agreements are terminated.

Prices for the conversion of Current Licenses are defined in Appendix 2 Pricing or Quote.

Notwithstanding anything in this Appendix to the contrary, and in addition to any payments due pursuant to this Appendix, Licensee remains fully obligated to fulfill any and all outstanding payment obligations to The Qt Company under any applicable Existing Agreements. For the avoidance of doubt, if any payments remain outstanding on the Current Licenses under the applicable terms Licensee will continue to make such payments in accordance with the applicable order documentation, notwithstanding
the fact that the Current Licenses are being
converted to Development Licenses pursuant to this Appendix.

APPENDIX 11: TERMS OF USE - QT INSIGHT TRACKER LIBRARY
Version 1.0

Qt Insight Tracker Library ("Tracker Library") is a software module used to collect end user data from Customer's Application and Devices relating to The Qt Company's Qt Insight online service the Customer is ordering from The Qt Company under a separate service agreement ("Service Agreement").

Unless otherwise set forth herein, definitions written in capital letters used herein shall have the meaning set forth in the Service Agreement.

Subject to these terms The Qt Company grants to Customer a worldwide, non-exclusive, non-transferable, royalty-free, revocable (for cause) right and license, valid for the term of the Service Agreement, to

(i) use, copy and modify Tracker Library for the purpose of including it into the Devices and Applications and solely for the purpose of being

used only in conjunction with Insight Cloud or Insight Private Cloud, and

(ii) distribute, by itself or through its Contractors, Tracker Library as installed, incorporated, or integrated into Applications and/or Devices.

Use of Tracker Library in a way or for the purpose other than the above is strictly prohibited. Tracker Library is licensed to the Customer in all respects "as is".

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE QT COMPANY ON BEHALF OF ITSELF AND ITS LICENSORS, SUPPLIERS AND AFFILIATES, DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT WITH REGARD TO THE TRACKER LIBRARY. THE QT COMPANY DOES NOT WARRANT THAT THE TRACKER LIBRARY WILL SATISFY CUSTOMER'S REQUIREMENTS OR THAT IT WILL OPERATE WITHOUT DEFECT OR ERROR OR THAT THE OPERATION THEREOF WILL BE UNINTERRUPTED.
IN NO EVENT SHALL THE QT COMPANY
BE LIABLE TO THE CUSTOMER FOR ANY LOSS OF
PROFIT, LOSS OF DATA, LOSS OF BUSINESS OR GOODWILL OR ANY OTHER INDIRECT, SPECIAL, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE COST, DAMAGES OR EXPENSE OF ANY KIND, HOWSOEVER ARISING UNDER OR IN CONNECTION WITH THE USE OF THE TRACKER LIBRARY.

THE TOTAL MAXIMUM LIABILITY OF THE QT COMPANY UNDER THESE TERMS SHALL IN NO EVENT EXCEED 10,000 EUROS.
This is the GNU General Public License version 3, annotated with The
Qt Company GPL Exception 1.0:

The Qt Company GPL Exception 1.0

Exception 1:

As a special exception you may create a larger work which contains the
output of this application and distribute that work under terms of your
choice, so long as the work is not otherwise derived from or based on
this application and so long as the work does not in itself generate
output that contains the output from this application in its original
or modified form.

Exception 2:

As a special exception, you have permission to combine this application
with Plugins licensed under the terms of your choice, to produce an
executable, and to copy and distribute the resulting executable under
the terms of your choice. However, the executable must be accompanied
by a prominent notice offering all users of the executable the entire
source code to this application, excluding
the source code of the
independent modules, but including any changes you have made to this
application, under the terms of this license.

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Version 3, 29 June 2007

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Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as

changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without

permission, would make you directly or secondarily liable for
infringement under applicable copyright law, except executing it on a
computer or modifying a private copy. Propagation includes copying,
distribution (with or without modification), making available to the
public, and in some countries other
activities as well.

To "convey" a work means any kind of propagation that enables other
parties to make or receive copies. Mere interaction with a user through
a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices"
to the extent that it includes a convenient and prominently visible
feature that (1) displays an appropriate copyright notice, and (2)
tells the user that there is no warranty for the work (except to the
extent that warranties are provided), that licensees may convey the
work under this License, and how to view a copy of this License. If
the interface presents a list of user commands or options, such as a
menu, a prominent item in the list meets this criterion.

1. Source Code.

The "source code" for a work means the preferred form of the work
for making modifications to it. "Object code" means any non-source
form of a work.

A "Standard Interface" means an interface that either is
an official
standard defined by a recognized standards body, or, in the case of
interfaces specified for a particular programming language, one that
is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other
than the work as a whole, that (a) is included in the normal form of
packaging a Major Component, but which is not part of that Major
Component, and (b) serves only to enable use of the work with that
Major Component, or to implement a Standard Interface for which an
implementation is available to the public in source code form. A
"Major Component", in this context, means a major essential component
(kernel, window system, and so on) of the specific operating system
(if any) on which the executable work runs, or a compiler used to
produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all
the source code needed to generate, install, and
(for an executable
work) run the object code and to modify the work, including scripts to
control those activities. However, it does not include the work's

System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or

similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

4. Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial,
industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a

fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the
Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

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* /opt/cola/permits/2459770085_1747693715.4208806/0/spring-data-jdbc-3-4-5-sources-jar/org/springframework/data/jdbc/core/convert/ReadingDataAccessStrategy.java
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 /opt/cola/permits/2459770085_1747693715.4208806/0/spring-data-jdbc-3-4-5-sources-jar/org/springframework/data/jdbc/core/convert/SingleQueryFallbackDataAccessStrategy.java
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package cloud

import (
 "bytes"
 "io/ioutil"
 "os"
 "path/filepath"
 "strings"
 "testing"
)

var sentinels = []string{
 "Copyright",
 "Google",
 `Licensed under the Apache License, Version 2.0 (the "License");`,
}

func TestLicense(t *testing.T) {
 t.Parallel()
 err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
  if err != nil {
   return err
  }

  if ext := filepath.Ext(path);
 ext != ".go" && ext != ".proto" {
   return nil
```

```
 }
 if strings.HasSuffix(path, ".pb.go") {
  // .pb.go files are generated from the proto files.
  // .proto files must have license headers.
  return nil
 }
 if path == "bigtable/cmd/cbt/cbtdoc.go" {
  // Automatically generated.
  return nil
 }
 if path == "cmd/go-cloud-debug-agent/internal/debug/elf/elf.go" {
  // BSD license, which is compatible, is embedded in the file.
  return nil
 }
 src, err := ioutil.ReadFile(path)
 if err != nil {
  return nil
 }
 src = src[:300] // Ensure all of the sentinel values are at the top of the file.

 // Find license
 for _, sentinel := range sentinels {
  if !bytes.Contains(src, []byte(sentinel)) {
   t.Errorf("%v: license header not present. want %q", path, sentinel)
   return nil
  }
 }

 return nil
})
if err != nil {
 t.Fatal(err)
}
}
```

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* /opt/cola/permits/2461377174_1747809508.3944461/0/spring-aop-5-3-39-sources-2-jar/org/springframework/aop/framework/AopConfigException.java
* /opt/cola/permits/2461377174_1747809508.3944461/0/spring-aop-5-3-39-sources-2-jar/org/springframework/aop/IntroductionInfo.java
* /opt/cola/permits/2461377174_1747809508.3944461/0/spring-aop-5-3-39-sources-2-jar/org/springframework/aop/config/ScopedProxyBeanDefinitionDecorator.java

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1.8778 pcre2 10.42-1

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1.8780 pcre2 10.43-r0

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1.8781 python 3.12.10-r1

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In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
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2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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1.8789 rancher 2.11.2-rc1

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1.8793 golang 1.24.3

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package copyright

import (
 "bytes"
 "internal/testenv"
 "io"
 "io/fs"
 "os"
 "path/filepath"
 "testing"
)

var copyright = []byte("Copyright")

var permitted = [][]byte{
 []byte("// Code generated by "),
 []byte("// Code generated from "),
 []byte("// Created by cgo -cdefs"),
 []byte("// DO NOT EDIT\n// generated by:"),
 []byte("// Empty assembly file"),
 []byte("// Generated using cgo"),
 []byte("// Original source:\n//\thttp://www.zorinaq.com/papers/md5-amd64.html"), // public domain crypto/md5
```

```
 []byte("// created by cgo -cdefs"),
 []byte("// go run mkasm.go"),
 []byte("// mkerrors"),
 []byte("// mksys"),
 []byte("// run\n// Code generated by"), // cmd/compile/internal/test/constFold_test.go
}

func TestCopyright(t *testing.T) {
 buf := make([]byte, 2048)
 filepath.WalkDir(filepath.Join(testenv.GOROOT(t), "src"), func(path string,
 d fs.DirEntry, err error) error {
  if d.IsDir() && (d.Name() == "testdata" || d.Name() == "vendor") {
   return filepath.SkipDir
  }
  switch filepath.Ext(d.Name()) {
  default:
   return nil
  case ".s", ".go":
   // check
  }

  f, err := os.Open(path)
  if err != nil {
   t.Error(err)
   return nil
  }
  defer f.Close()
  n, err := f.Read(buf)
  if err != nil && err != io.EOF {
   t.Error(err)
   return nil
  }
  b := buf[:n]
  if bytes.Contains(b, copyright) {
   return nil
  }
  for _, ok := range permitted {
   if bytes.HasPrefix(b, ok) {
    return nil
   }
  }
  t.Errorf("%s: missing copyright notice", path)
  return nil
 })
}
```

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1.8803 kubernetes-cliruntime 1.32.2-r3

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```
package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
 Plugin     string
 Option     string
 Severity   string // 'deprecated', 'removed', or 'unsupported'
 ReplacedBy string
 Additional string
 Version    string
}

func (n *Notice) ToString() string {
 s := ""
 if n.Option == "" {
  s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
 } else {
  s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
 }
```

```
 if n.Severity == SevUnsupported {
  s += "is unsupported by this migration tool in " + n.Version + "."
 } else if n.Severity == SevNewDefault {
  s += "is added as a default in " + n.Version + "."
 } else {
  s += "is " + n.Severity + " in " + n.Version + "."
 }
 if n.ReplacedBy != "" {
  s += fmt.Sprintf(` It is replaced by "%v".`, n.ReplacedBy)
 }
 if n.Additional != "" {
  s += " " + n.Additional
 }
 return s
}

const (
 // The following statuses are used to indicate the state of support/deprecation in a given release.
 SevDeprecated  = "deprecated"
  // deprecated, but still completely functional
 SevIgnored     = "ignored"     // if included in the corefile, it will be ignored by CoreDNS
 SevRemoved     = "removed"     // completely removed from CoreDNS, and would cause CoreDNS to exit if present
in the Corefile
 SevNewDefault  = "newdefault"  // added to the default corefile.  CoreDNS may not function properly if it is not
present in the corefile.
 SevUnsupported = "unsupported" // the plugin/option is not supported by the migration tool

 // The following statuses are used for selecting/filtering notifications
 SevAll = "all" // show all statuses
)
```

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==========
The common/types/pb/equal.go modification of proto.Equal logic
==========
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package spec

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```
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL  string `json:"url,omitempty"`
}
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procfs provides functions to retrieve system, kernel and process
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==========
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1.8807 json 1.32.2-r3

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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL  string `json:"url,omitempty"`
}
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package spec

import "testing"

func TestIntegrationLicense(t *testing.T) {
 license := License{Name: "the name", URL: "the url"}
 const licenseJSON = `{"name":"the name","url":"the url"}`
 const licenseYAML = "name: the name\nurl: the url\n"

 assertSerializeJSON(t, license, licenseJSON)
 assertParsesJSON(t, licenseJSON, license)
}
```

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1.8810 go-autorest-autorest-validation 0.3.1

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1.8814 jctools-core 4.0.5

1.8814.1 Available under license :

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Manifest-Version: 1.0
Bnd-LastModified: 1717253512851
Build-Jdk-Spec: 1.8
Bundle-Description: Java Concurrency Tools Core Library
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Java Concurrency Tools Core Library
Bundle-SymbolicName: org.jctools.core
Bundle-Version: 4.0.5
Created-By: Apache Maven Bundle Plugin 5.1.8
Export-Package: org.jctools.maps;version="4.0.5",org.jctools.util;vers
ion="4.0.5";uses:="sun.misc",org.jctools.queues;version="4.0.5",org.j
ctools.queues.atomic;version="4.0.5";uses:="org.jctools.queues",org.j
ctools.queues.atomic.unpadded;version="4.0.5";uses:="org.jctools.queu
es",org.jctools.queues.unpadded;version="4.0.5";uses:="org.jctools.qu
eues",org.jctools.counters;version="4.0.5"
Import-Package: sun.misc;resolution:=optional
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.6))"
Tool: Bnd-6.3.1.202206071316

Found in path(s):
*
/opt/cola/permits/2472221376_1748445873.6884375/0/jctools-core-4-0-5-6-jar/META-INF/MANIFEST.MF
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1.8815 libtool 2.4.7-7build1

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Found in path(s):
* /opt/cola/permits/2472898568_1748473436.2915344/0/nanojson-1-9-sources-3-jar/com/grack/nanojson/JsonWriterException.java
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*
 /opt/cola/permits/2472898568_1748473436.2915344/0/nanojson-1-9-sources-3-jar/com/grack/nanojson/JsonBuilder.java
* /opt/cola/permits/2472898568_1748473436.2915344/0/nanojson-1-9-sources-3-jar/com/grack/nanojson/JsonAppendableWriter.java

1.8817 fmt 19.2.0-0ubuntu0.24.04.2

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6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with
the complete corresponding
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Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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to run.
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c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work

that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
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Otherwise, if the work is a derivative of the Library, you may
distribute
the object code for the work under the terms of Section 6.
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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will
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1.8823 github.com/beevik/ntp 1.3.1

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1.8824 jaxb-api 2.3.1

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